

2021-2022 Grade 9-12

Walnut Grove Secondary School

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PRINCIPAL'S MESSAGE

Welcome back to Walnut Grove Secondary. It is one of the most exciting, passionate, and innovative schools in British Columbia. As one of the largest schools in the Province, we feel fortunate that we can offer so many exciting opportunities for our students. Your success as you go through high school is not only based on hard work, but it is also based on choices. We urge you to go over this document with your parents as you go through your Grade 9-12 years.

Because Walnut Grove is such a large school, we have a comprehensive array of programs and courses that students can choose. With this large amount of choice, however, can come confusion. We urge you to contact your teen's counsellor if you need more information about the direction that you may want to move in.

Our hope is that this Course Planning Guide will assist you with making some of those decisions. It provides detailed information about the courses and programs that we offer while also giving you a sense of what your future years at WGSS may look like. The Course Planning Guide also provides you with some important dates and deadlines and answers to some frequently asked questions we get from both students and parents.

We look forward to having you as part of the WGSS learning community!



Jeremy Lyndon
Principal

HOW TO USE THIS GUIDE

1. Read descriptions of courses that interest you. Check if there are any prerequisites.
2. Carefully read the graduation requirements and required courses.
3. Discuss the options you are considering with your parents, counsellor, and teachers.
4. Make careful selections, as changes are often not possible due to classes being at maximum when the timetable is built.

FACTORS TO CONSIDER IN MAKING YOUR DECISIONS

1. What courses **MUST** I take (required courses for graduation)?
2. What courses must I take to enter colleges, technical schools or universities? (Keep as many doors open as you can!)
3. Am I developing my full potential?
4. What will be the total time demand of my learning program?

A secondary school such as ours provides you with an excellent opportunity to grow in terms of knowledge, skills, abilities and self-confidence.

IF YOU HAVE A PHONE OR TABLET, USE MY SCHOOL DAY!

- My School Day is a free app for iOS and Android devices
- My School Day helps you keep track of the block order and your class schedule
- You are able to type homework or important notes into the app
- Links to My School Day on the App Store and Play Store are on the school website (<http://www.wgss.ca>)

Reminder to all students and parents:

It is the responsibility of each student to ensure their course selection meets all BC Graduation Requirements as well as the entrance requirements to the post-secondary program or institution.

STUDY BLOCKS

Walnut Grove Secondary offers a rich variety of courses and believes that students should take advantage of the opportunity for a full education. In-school Study Blocks are a privilege reserved for senior students who have ample credits and challenging course loads.

Grade 12 Students

Grade 12 students are required to sign up for eight courses. Those who plan to request a Study Block must:

- Have successfully completed 68 credits by the end of their Grade 11 year; and
- Have met the Grade 11 courses requirements with the possible exception of the Socials 11/12 course; and
- Have the courses required to graduate on their Grade 12 schedule.
- Have a heavy academic load.

Grade 11 Students

Grade 11 students are required to sign up for eight courses. Those who plan to request a Study Block must:

- Have successfully completed 40 credits by the end of their Grade 10 year; and
- Have no required Grade 10 courses on their Grade 11 schedule
- Be enrolled in an extended day course e.g. Choir or Band.

If students meet the above requirements, they may apply for a Study Block with permission from parent(s) and administration.

Expectations of Study Blocks

- Students are expected to report to the **cafeteria, library, or be off campus with parent permission.**
- Students are **not** to be in the hallways, parking lot, or outside the building on the property.
- Students are expected to work productively during the Study Block.
- Students must report to the Librarian in the evacuation area during an emergency evacuation.

Students choosing to use the library during their Study Block are expected to:

- Use the library for **quiet** study, reading or computer/network access.
- Respect library rules and procedures.

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COUNSELLING SERVICES AT WGSS

GRADE 9-12 COUNSELLORS

| | | |
|---------------------------|---------------------------|--|
| Students last name A – G: | Ms. D. Kifiak | dkifiak@sd35.bc.ca |
| Students last name H – L: | Ms. R. Twemlow (T,W,Th,F) | rtwemlow@sd35.bc.ca |
| Students last name M – P: | Mr. I. Adrian (M) | iadrian@sd35.bc.ca |
| Students last name Q – Z: | Ms. D. Seymour | dseymour@sd35.bc.ca |
| | Ms. S. Docherty | sdocherty@sd35.bc.ca |

CAREER ADVISORS

| | | |
|---------------|--------------|--|
| All students: | Ms. C. McGee | cmcgee@sd35.bc.ca |
|---------------|--------------|--|

Our counsellors are available to assist students and their families in the following ways:

- | | |
|--|--|
| <input type="checkbox"/> Help with personal concerns | <input type="checkbox"/> Course selection, course planning, course changes |
| <input type="checkbox"/> Community referrals for mental health support | <input type="checkbox"/> Graduation requirements – ‘Grad Check’ |
| <input type="checkbox"/> Academic support, including study skills | <input type="checkbox"/> Post-secondary information |
| | <input type="checkbox"/> Scholarship information |

On the Counselling website there is a link to each member of the Counselling and Career Team. Students and parents are invited to book appointments [here](#).

Students (or parents) may also make appointments to see a counsellor at the Counselling Centre or through the main office. Parents are also welcome to phone or email counsellors if they have any questions or concerns. Grade 9-12 students are encouraged to make appointments, as necessary, with their counsellor to ensure their program will allow for graduation and pursuit of their passions.

EXPLORING POST-SECONDARY CAREER PATHS

www.myblueprint.ca (activation key is WALNUTGROVE to set up a user account)

- Comprehensive program for course planning, career exploration and post-secondary planning
www.educationplannerbc.ca

- Comprehensive website for:
 - Planning post-secondary education options
 - Searching for programs offered at various B.C. Institutions
 - Applying to select BC Institutions

www.schoolfinder.com

- Comprehensive program outlining career explorations and post-secondary link.

www.itabc.ca

- BC apprenticeship/trades information.

www.workbc.ca

- BC comprehensive career and labour market site.

Post-secondary registration in BC: www.educationplannerbc.ca

Post-secondary registration in Alberta: www.applyalberta.ca

Post-secondary registration in Ontario: www.ouac.on.ca

USA applications: www.commonapp.org

STUDENT TIMETABLE AND COURSE CHANGE REQUESTS

When building the WGSS's master schedule, the following opportunities are provided to students to help ensure they have the required courses to meet graduation requirements:

- **Course Requests** received in February
- **Course Confirmations** available through MyEdBC in the spring.
- **Class Size and Composition** requirements
- **Promotions** in June (e.g. if a student was unsuccessful in a core course, the student will be re-enrolled in the required course to meet BC graduation requirements)
- **Summer Session Course Change Requests** processed based on the information provided through the [WGSS Form](#) (changes are made, where possible, to accommodate student requests. In some cases the course requested is at capacity so the change requested will not be possible).

Students and their families will be able to view their timetable through online [MyEdBC](#) in late August.

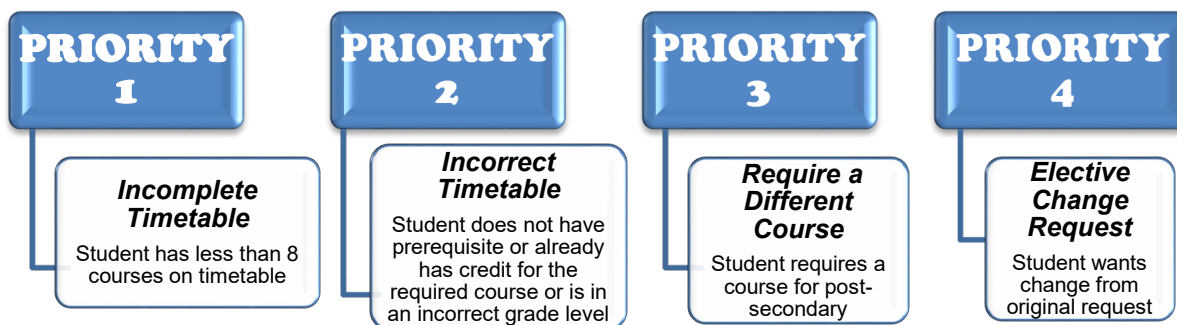
In August, students should check the list of FULL and CANCELLED classes on the WGSS Counselling website

Course Change Requests

Should students wish to request a change to their timetable, there will be an opportunity for students to submit a course change request form.

Forms will be processed in the following order:

- | | |
|--|---|
| a) Priority 1 (before school begins) | Incomplete timetables (all grades) |
| b) Priority 2 (before school begins) | Incorrect timetables (all grades) |
| c) Priority 3 (after school starts) | Course required for post-secondary plans (Grades 11 and 12) |
| d) Priority 4 (after first week of classes) | Elective change request (all grades) |



Note: Course Change Requests cannot be made through phone messages or email. Requests for a different teacher cannot be accommodated due to high enrolment and class composition limitations.

The last day to make a change to your timetable through your Counsellor is September 14.
The last day to have a course change approved by Administration is October 28.

[MyEdBC](#)

In the Student Portal, students with an account can:

- View Report Cards under Published Reports
- View your daily attendance records
- See your provincial Exam results
- Online course selection
- Mark history

Here is how you get started:

Your log in ID is your Student ID. Your password is reset every September. Check with the school office in September for the new password.

Parents have their own MyEdBC account. For more information, please go to wgss.ca, top tab *Parent Community* and choose *MyEdBC Help*.

COURSE SELECTION – GRADE 9

ENGLISH PROGRAM

1. English Language Arts 9/9H*
2. Social Studies 9
or 1. & 2. Humanities 9
3. Science 9 or Science 9/10*
4. Mathematics 9 or 10
5. PHE 9 or Teamsports 9*
6. Language or Elective
7. Elective**
8. Elective**

FRENCH IMMERSION PROGRAM

1. English Language Arts 9/9H*
2. Français Langue 9
3. Sciences Humaines 9
4. Français Littérature 9
5. Mathematics 9 or 10
6. Éducation Physique 9
7. Science 9 or Science 9/10*
8. Elective***

*Please note admittance to these courses depends on an approval process and availability. The final determination of student placement in Honours or specialized programs resides with the Administration.

- Students in Grade 9 **must** select one elective that meets the Arts Education credit and one elective that meets the ADST credit.
- Students in Grade 9 French Immersion can select an elective from either the Arts Education or ADST.
- Students in Grade 9 **DO NOT** qualify for a Study Block. All students in Grade 9 must take a minimum of eight classes in the timetable.

ELECTIVE COURSES

| Arts Education (choose one) | ADST (choose one) | Languages |
|--|---------------------------------|-----------|
| Band 9 | Computer Apps & Coding | French 9 |
| Art Studio 10 | Drafting Level 1 | Spanish 9 |
| Studio Arts 3D: Ceramics 10 | Electronics & Robotics Level 1 | |
| Drama 9 | Engineering Level 1 | |
| Musical Theatre 9 (may be offered outside the timetable) | Food Studies 10 | |
| Music: Composition & Production Level 1 | Mechanics Level 1 | |
| Dance Technique & Performance Level 1 | Metalwork Level 1 | |
| Computer Graphics | Textiles Level 1 | |
| Orchestra 10 | Woodwork Level 1 | |
| Chamber Choir 9 (offered outside the timetable) | Entrepreneurship & Marketing 10 | |
| Concert Choir 9 (offered outside the timetable) | Accounting 11 | |
| Jazz Band 9 (offered outside the timetable) | | |

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COURSE SELECTION – GRADE 10

ENGLISH PROGRAM

| <u>Course</u> | <u>Credits</u> |
|---|----------------|
| 1. English Language Arts 10/10H* | 2+2 |
| 2. Social Studies 10 | 4 |
| 3. Mathematics 10 or 11 | 4 |
| 4. Science 10 or _____ (if completed Science 9/10) | 4 |
| 5. Physical and Health Education 10 | 4 |
| 6. Career Life Education 10 | 4 |
| 7. Elective (see department pages for options) | 4 |
| 8. Elective (see department pages for options) | 4 |

FRENCH IMMERSION PROGRAM

| <u>Course</u> | <u>Credits</u> |
|---|----------------|
| 1. English Language Arts 10/10H* | 2+2 |
| 2. Sciences Humaines 10 | 4 |
| 3. Français Langue 10 | 4 |
| 4. Career Life Education 10/Études Cinéma et Littérature Franco 11 | 4 |
| 5. Mathematics 10 or 11 | 4 |
| 6. Science 10 or _____ (if completed Science 9/10) | 4 |
| 7. Physical and Health Education 10 | 4 |
| 8. Elective (see department pages for options) | 4 |

*Please note admittance to these courses depends on an approval process and availability. The final determination of student placement in Honours or specialized programs resides with the Administration.

Students in Grade 10 **DO NOT** qualify for a Study Block. All students in Grade 10 must take a minimum of eight classes in the timetable.

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GRADUATION CHECK

Grade 10-12 Students in 2021-2022

2018 Graduation Program

as of January 2021

| Required Courses for Graduation | | Credits |
|--|--|---------|
| 1. English Language Arts 10 (two courses, 2 credits each) | | 4 |
| 2. Science 10 | | 4 |
| 3. a Mathematics 10 | | 4 |
| 4. Social Studies 10 | | 4 |
| 5. Career Education a) Career Life Education 10 b) Career Life Connections/Capstone 12 | | 4 4 |
| 6. Physical and Health Education 10 | | 4 |
| 7. a Science 11 or 12 | | 4 |
| 8. a Socials 11 or 12 | | 4 |
| 9. a Mathematics 11 or 12 | | 4 |
| 10. a Language Arts 11 | | 4 |
| 11. a Language Arts 12 | | 4 |
| 12. Arts Education 10, 11, or 12 or Applied Design, Skills & Technologies 10, 11, or 12 | | 4 |
| Required Course Credits: | | 52 |
| Additional Elective credits – not already indicated above (Gr. 10, 11 or 12) A. _____ B. _____ C. _____ D. _____ E. _____ 12 F. _____ 12 G. _____ 12 | <p><i>Note:</i> Students must have 16 grade 12 credits; Language Arts 12 gives them 4 of these credits</p> <p>Elective Course Credits:</p> | 28 |
| Graduation Literacy Assessment 10 | Required for Graduation | |
| Graduation Literacy Assessment 12 | Required for Graduation | |
| Graduation Numeracy Assessment 10 | Required for Graduation | |
| Total Required Credits: | Ministry | 80 |
| | Walnut Grove Secondary | 84* |

*Walnut Grove encourages students to have a minimum of 84 credits to help ensure Graduation.

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French Immersion
2018 Graduation Program
as of January 2021

| Required Courses for French Dogwood | Exam/Assessment | Credits | | | | | | | | | | | | |
|--|---|----------|---|-------------|--|---|-------------|--|---|----------|--|---|---|----|
| Grade 8 <ul style="list-style-type: none"> Français Langue 8 Sciences Humaines 8 Sciences 8 Education Physique 8 | | | | | | | | | | | | | | |
| Grade 9 <ul style="list-style-type: none"> Français Langue 9 Sciences Humaines 9 Français Littérature 9 Education Physique 9 | | | | | | | | | | | | | | |
| Grade 10 <ul style="list-style-type: none"> ELA 10 | | 2 + 2 | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Sciences Humaines 10* | | 4* | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Français Langue 10* | | 4* | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Science 10 | | 4 | | | | | | | | | | | | |
| <ul style="list-style-type: none"> a Mathematics 10 | | 4 | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Career Life Education 10/Études Cinéma et Littérature Franco 11* | | 4* | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Physical and Health Education 10 | | 4 | | | | | | | | | | | | |
| Grade 11 <ul style="list-style-type: none"> an English Language Arts 11 | | 4 | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Exploration en sciences humaines et sociales 11* | | 4* | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Langue et culture de la francophonie 11* | | 4* | | | | | | | | | | | | |
| <ul style="list-style-type: none"> a Science 11 or 12 | | 4 | | | | | | | | | | | | |
| <ul style="list-style-type: none"> a Mathematics 11 or 12 | | 4 | | | | | | | | | | | | |
| Grade 12 <ul style="list-style-type: none"> an English Language Arts 12 | | 4 | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Français Langue/Littérature 12* | | 4* | | | | | | | | | | | | |
| <ul style="list-style-type: none"> Career Life Connections/Capstone 12 | Required for graduation | 4 | | | | | | | | | | | | |
| Additional Graduation Requirements <ul style="list-style-type: none"> Arts Education 10, 11, or 12 <u>or</u> Applied Design, Skills & Technologies 10, 11, or 12 Numeracy Assessment 10 Literacy Assessment 10 and 12 | | 4 | | | | | | | | | | | | |
| Required French Immersion credits: | | 24* | | | | | | | | | | | | |
| Required course credits: | | 40 | | | | | | | | | | | | |
| Additional Elective credits – not already indicated above (Gr. 10, 11 or 12) <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">A. Français Langue/Littérature 12 (above)</td><td style="width: 10%;"></td><td style="width: 30%; text-align: right;">4</td></tr> <tr> <td>B. _____ 12</td><td></td><td style="text-align: right;">4</td></tr> <tr> <td>C. _____ 12</td><td></td><td style="text-align: right;">4</td></tr> <tr> <td>D. _____</td><td></td><td style="text-align: right;">4</td></tr> </table> | A. Français Langue/Littérature 12 (above) | | 4 | B. _____ 12 | | 4 | C. _____ 12 | | 4 | D. _____ | | 4 | <i>Note:</i> Students must have sixteen Grade 12 credits; ELA 12 and FRAL 12 count as eight of these credits; student need two more Grade 12 courses | 12 |
| A. Français Langue/Littérature 12 (above) | | 4 | | | | | | | | | | | | |
| B. _____ 12 | | 4 | | | | | | | | | | | | |
| C. _____ 12 | | 4 | | | | | | | | | | | | |
| D. _____ | | 4 | | | | | | | | | | | | |
| Elective course credits: | | | | | | | | | | | | | | |
| Total required credits: | | Ministry | | | | | | | | | | | | |
| | | 80 | | | | | | | | | | | | |
| | | WGSS | | | | | | | | | | | | |
| | | 84** | | | | | | | | | | | | |

*Required French Immersion course for bilingual Dogwood.

**Walnut Grove encourages students to have a minimum of 84 credits to help ensure graduation.

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GRADES 9, 10, 11 & 12 COURSE PREREQUISITES

AP CAPSTONE PROGRAM

| | |
|-------------------------------|--|
| AP Capstone Seminar 11 | completion of ELA 10, Science 10, and Social Studies 10 |
| AP Capstone Research 12 | AP Capstone Seminar 11 and in Grade 12 currently taking at least one other AP course |

ARTS EDUCATION

Art

| | |
|---|---|
| Art Studio 10 | none |
| Art Studio 11 | none |
| Art Studio 12 | Art Studio 11 or Studio Arts 2D: Drawing & Painting 11 or Ceramics 11 or Photography 11 |
| Studio Arts 2D: Drawing & Painting 11 | none |
| Studio Arts 2D: Drawing & Painting 12 | Art Studio 11 or Studio Arts 2D: Drawing & Painting 11 or Ceramics 11 or Photography 11 |

Ceramics

| | |
|-----------------------------------|--|
| Studio Arts 3D: Ceramics 10 | in Grade 9 |
| Studio Arts 3D: Ceramics 11 | in Grade 10, 11, or 12 |
| Studio Arts 3D: Ceramics 12 | Studio Arts 3D: Ceramics 11 or in Grade 12 |

Dance

| | |
|---|---|
| Dance Technique & Performance Level 1 | in Grade 9, 10, 11, or 12 |
| Dance Technique & Performance Level 2 | Dance Technique & Performance Level 1 or permission of instructor |

Drama

| | |
|---|---|
| Drama 9 | none |
| Drama 10 | in Grade 10 |
| Theatre Company 11 | in Grade 11 or 12 and Drama 10 recommended |
| Theatre Company 12 | Theatre Company 11 |
| Directing & Script Development 11 | Theatre Company 10 or permission of instructor |
| Directing & Script Development 12 | Directing & Script Development 11 or permission of instructor |
| Theatre Production 10-12 | in Grade 10-12 and runs concurrently with Musical Theatre Company |
| Musical Theatre Company 9-12 | teacher approval through auditions |

Music

| | |
|---|--|
| Instrumental Music: Concert Band 9 | Concert Band 8 or Beginning Band 8 |
| Instrumental Music: Concert Band 10/11/12 | Band 9/10/11 |
| Instrumental Music: Jazz Band 9/10/11/12 | Band 9/10/11 |
| Instrumental Music: Orchestra 10/11/12 | in Grade 9, 10, 11, or 12, and two years music experience |
| Choral Music: Concert Choir 9/10/11/12 | Concert Choir 9 |
| Choral Music: Chamber Choir 9/10/11/12 | teacher approval through auditions |
| Choral Music: Vocal Jazz 10/11/12 | teacher approval through auditions |
| Composition & Production Level 1 | in Grade 9, 10, 11, or 12 and ability to read music and permission of instructor |
| Composition & Production Level 2 | Composition & Production Level 1 and in Grade 10, 11, or 12 |
| AP Music Theory 12 | permission of instructor |
| Instrumental Music: Guitar Level 1 | in Grade 10, 11, or 12 |
| Instrumental Music: Guitar Level 2 | Guitar Level 1 or permission of instructor and in Grade 10, 11, or 12 |

Photography

| | |
|----------------------|------------------------|
| Photography 11 | in Grade 10, 11, or 12 |
| Photography 12 | Photography 11 |

Yearbook

| | |
|-------------------|---|
| Yearbook 11 | in Grade 11 or 12 or permission of instructor |
| Yearbook 12 | Yearbook 11 |

BUSINESS EDUCATION

| | |
|---------------------------------------|---|
| Accounting 11 | in Grade 9, 10, 11, or 12 |
| Financial Accounting 12..... | Accounting 11 or in Grade 12 |
| Entrepreneurship & Marketing 10 | in Grade 10 |
| Marketing & Promotion 11 | in Grade 11 or 12 |
| Entrepreneurship 12 | in Grade 11 or 12 |
| Economics 12 | in Grade 11 or 12 |
| AP Economics 12 – Micro/Macro | in Grade 12 or permission of instructor |

CAREER EDUCATION

| | |
|--|----------------------|
| Career Life Education 10 | required |
| Career Life Connections/Capstone 12..... | required in Grade 12 |
| Work and Volunteer Experience (WAVE) 12A or 12B .. | in Grade 11 or 12 |

COMPUTER STUDIES

| | |
|--|--|
| Computer Apps & Coding | no prerequisite |
| Computer Graphics | no prerequisite |
| Computer Essentials | in Grade 11 or 12 |
| AP Computer Science Principles 12..... | in Grade 11 or 12 (Grade 10 students with strong math skills and permission of instructor) |
| 3D Graphics Level 1 | Computer Apps & Coding or Computer Graphics* |
| 3D Graphics Level 2 (12) | 3D Graphics Level 1 |
| 3D Fabrication | Computer Graphics or Computer Apps & Coding* |
| Computer Repair (12) | Computer Apps & Coding or Computer Graphics* |
| Digital Communications 11 | in Grade 10, 11, or 12 |
| Digital Sculpting | Computer Apps or Computer Graphics (or interested Art students)* |
| Game Coding Level 1 | Computer Apps & Coding or Computer Graphics* |
| Game Coding Level 2 (12)..... | Game Coding Level 1 |
| Graphic Design (12)..... | Computer Apps or Computer Graphics* |
| Programming 12 | Computer Apps or Computer Graphics* |
| Print Shop 12 | Grade 11 or 12, 3D Fabrication or Graphic Design or permission of instructor |
| Video Game Design Level 1 | Computer Apps or Computer Graphics* |
| Video Game Design Level 2 (12)..... | Video Game Design Level 1 |
| Video Production Level 1 | Computer Apps or Computer Graphics* |
| Video Production Level 2 (12)..... | Video Production Level 1 |
| Visual Effects (12) | Video Production Level 1 |

ENGLISH LANGUAGE ARTS

| | |
|---|--|
| ELA 9 | ELA 8, Humanities 8 or ELA 8 Honours |
| ELA 9 Honours..... | ELA 8 or ELA 8 Honours and department recommendation |
| ELA 10 | ELA 9, Humanities 9 or ELA 9 Honours |
| ELA 10 Honours..... | ELA 9, Humanities 9 or ELA 9 Honours and department recommendation |
| ELA 11 | ELA 10 or ELA 10 Honours |
| AP English Language & Composition 12..... | ELA 10 or ELA 10 Honours and department recommendation |
| AP English Literature & Composition 12..... | AP English Language & Composition 12 or Literary Studies 11, and department recommendation |
| English Studies 12 | ELA 11 or AP English Language & Composition 12 |
| English First Peoples 12 | ELA 11 or AP English Language & Composition 12 |
| Literary Studies 12 | ELA 11 or AP English Language & Composition 12 or permission of instructor |

FRENCH IMMERSION

| | |
|---|---|
| Français Littérature 9 | FRAL 8, Sciences Humaines 8, Sciences 8, Education Physique 8 |
| Français Langue 9 | FRAL 8 Sciences Humaines 8, Sciences 8, Education Physique 8 |
| Éducation Physique/Santé 9 | Éducation Physique/Santé 8 |
| Career Life Education10/ | |
| Études Cinéma et Littérature Franco 11 | FRAL 9, Français Littérature 9, Sciences Humaines 9 |
| Français Langue 10 | FRAL 9, Français Littérature 9, Sciences Humaines 9 |
| Langue et culture de la francophonie 11 (FRAL 11) | FRAL 10, Sciences Humaines 10 |
| Français Langue/Littérature 12 | FRAL 11, Sciences Humaines 11 |
| Sciences Humaines 9 | FRAL 8, Sciences Humaines 8, Sciences 8, Education Physique 8 |
| Sciences Humaines 10 | Sciences Humaines 9, FRAL 9, Français Littérature 9, Education Physique 9 |
| Exploration en sciences humaines et sociales 11 | Sciences Humaines 10 |
| AP French Language and Culture 12 | FRAL 11 and currently in FRAL 12 and permission of instructor |

HOME ECONOMICS

| | |
|--|--|
| Food Studies 10 | in Grade 9 or higher |
| Food Studies 11 | Food Studies 10 or Culinary Arts 10 |
| Food Studies 12 | Food Studies 11 or Culinary Arts 11 |
| Culinary Arts 10 | in Grade 10 |
| Culinary Arts 11 | in Grade 11, Food Studies 10 or Culinary Arts 10 recommended |
| Culinary Arts 12 | in Grade 12, Food Studies 11 or Culinary Arts 11 recommended |
| Specialized Studies 12: Pastry Arts and Baking | Food Studies 11 or Culinary Arts 11 |
| Textiles Level 1 | none |
| Textiles Level 2 | Textiles Level 1 or permission of instructor |
| Textiles Level 3 (12) | Textiles Level 2 or permission of instructor |
| Fashion Industry 12 | Textiles Level 3 or permission of instructor |
| Interpersonal and Family Relationships 11 | in Grade 10, 11, or 12 |

LANGUAGES

| | |
|--------------------------------|---|
| French 9 | French 8 |
| French 10 | French 9 |
| French 11 | French 10 |
| French 12 | French 11 |
| Italian Introductory 11 | completion of any Grade 9 language course |
| Mandarin Introductory 11 | in Grade 10, 11, or 12 |
| Spanish 9 | French 8 |
| Spanish 10 | Spanish 9 |
| Spanish Introductory 11 | in Grade 10 |
| Spanish 11 | Spanish 10 |
| Spanish 12 | Spanish 11 |

LEADERSHIP

| | |
|--|--------------------|
| Leadership in Sports and Athletics 11/12 | in Grade 11 or 12 |
| Leadership 11/12 – Gator Pod | in Grade 11 or 12* |
| Student Aide 11/12 | in Grade 11 or 12* |

***Please note:** This course is currently on hold. If we are able to offer this course, we will communicate with students in June.

MATHEMATICS

| | |
|-------------------------------------|--|
| Mathematics 9 | Mathematics 8 |
| Workplace Mathematics 10 | Mathematics 9 |
| Foundations of Mathematics 10 | Mathematics 9 with a recommended minimum mark of C+ |
| Workplace Mathematics 11 | Workplace Mathematics 10 |
| Foundations of Mathematics 11 | Foundations of Mathematics 10 |
| Foundations of Mathematics 12 | Foundations of Mathematics 11 or Pre-Calculus 11 |
| Pre-Calculus 11 | Foundations of Mathematics 10 with a recommended minimum mark of 70% |

MATHEMATICS CONT'D

| | |
|------------------------|---|
| Pre-Calculus 12 | Pre-Calculus 11 with a recommended minimum mark of 73% |
| AP Calculus 12 AB..... | Pre-Calculus 12 or may be taken concurrently with Pre-Calculus 12 with permission of instructor |
| AP Statistics 12..... | Foundations of Mathematics 11 or Pre-Calculus 11 with a recommended minimum mark of 73% |

PHYSICAL AND HEALTH EDUCATION

| | |
|--|--|
| PHE 9 Boys/Girls/Co-ed | PHE 8 |
| Team Sports 9 Boys and Girls | in Grade 9 and department recommendation |
| PHE 10 Boys/Girls/Co-ed | any Grade 9 PHE course |
| PHE 10 Fitness & Wellness | any Grade 9 PHE course |
| PHE 10 Strength & Conditioning..... | any Grade 9 PHE course |
| PHE 10 High Performance Basketball | any Grade 9 PHE course |
| PHE 10 High Performance Volleyball | any Grade 9 PHE course |
| Active Living 11 High Performance Basketball | any Grade 10 PHE course |
| Active Living 11 High Performance Volleyball | any Grade 10 PHE course |
| Active Living 11..... | any Grade 10 PHE course |
| Active Living 12..... | any Grade 11 PHE course |
| Fitness & Conditioning: Fitness & Wellness 11 | any Grade 10 PHE course |
| Fitness & Conditioning: Fitness & Wellness 12 | any Grade 11 PHE course |
| Fitness & Conditioning: Strength & Conditioning 11 | any Grade 10 PHE course |
| Fitness & Conditioning: Strength & Conditioning 12..... | any Grade 11 PHE course |

SCIENCE

| | |
|---|---|
| Science 9 | Science 8 |
| Science 9/10 Honours..... | Science 8 and department recommendation |
| Science 10 | Science 9 |
| Life Sciences 11..... | Science 10 or Science 9/10 Honours |
| Life Sciences 11: Honours/Pre-AP | Science 10 or Science 9/10 Honours with a recommended minimum mark of 75% |
| Anatomy and Physiology 12 | Life Sciences 11 or Chemistry 11 |
| AP Biology 12 | Life Sciences 11: Honours/Pre-AP, Chemistry 11 recommended |
| Chemistry 11..... | Science 10 or Science 9/10 H. A Mathematics 11 taken concurrently is recommended |
| Chemistry 11: Honours/Pre-AP..... | Science 10 or Science 9/10 Honours with a recommended minimum mark of 75% and Mathematics 11 concurrently |
| Chemistry 12..... | Chemistry 11 |
| AP Chemistry 12 | recommend Mathematics 12 concurrently with a recommended minimum mark of 75% |
| Specialized Science: Astronomy 12 | in Grade 11 or 12 |
| Environmental Science 12 | in Grade 11 or 12 |
| Science for Citizens 11 | Science 10 |
| Principles of Physics 11 | Science 10 or Science 9/10 H and Foundations of Mathematics 10 |
| Principles of Physics 12..... | Principles of Physics 11 and Pre-Calculus 11 |
| AP Physics 1..... | Science 10 or Science 9/10H, Foundations of Mathematics 10, and ELA 10, all with a recommended minimum mark of 75%. Pre-Calculus 11 is recommended concurrently |
| AP Physics 2..... | AP Physics 1 or Principles of Physics 12 and Pre-Calculus 11 |

SOCIAL SCIENCES

| | |
|-----------------------|--|
| Psychology 12..... | in Grade 11 or 12 |
| AP Psychology 12..... | Life Sciences 11 and Anatomy and Physiology 12 (can be taken concurrently) or permission of instructor |

SOCIAL STUDIES

| | |
|---|---|
| Humanities 9 | ELA 8 and Social Studies 8 |
| Social Studies 9 | Social Studies 8 |
| Social Studies 10 | Social Studies 9 |
| Explorations in SS11: | |
| 20 th Century World History through Film | Social Studies 10 |
| Explorations in SS11: | |
| History of the Human Experience | Social Studies 10 |
| 20 th Century World History 12 | Social Studies 10 and in Grade 11 or 12 |
| BC First Peoples 12 | Social Studies 10 and in Grade 11 or 12 |
| Comparative World Religions 12 | Social Studies 10 and in Grade 11 or 12 |
| Genocide Studies 12 | Social Studies 10 and in Grade 11 or 12 |
| Law Studies 12 | Social Studies 10 and in Grade 11 or 12 |
| Philosophy 12 | Social Studies 10 and in Grade 11 or 12 |
| Social Justice 12 | Social Studies 10 and in Grade 11 or 12 |
| Urban Studies 12 | Social Studies 10 and in Grade 11 or 12 |

TECHNOLOGY EDUCATION

| | |
|--------------------------------------|---|
| Engineering Level 1 | none, in Grade 9 or 10 |
| Engineering Level 2 | Engineering Level 1, or in Grade 11 or 12 |
| Engineering 12 | Engineering Level 2 |
| Industrial Coding & Design | Engineering 12 or combined with Engineering 12 |
| Drafting Level 1 | none, in Grade 9 or 10 |
| Drafting Level 2 | Drafting Level 1 |
| Drafting 12 | Drafting Level 2 |
| Woodwork Level 1 | none, in Grade 9 or 10 |
| Woodwork Level 2 | Woodwork Level 1 or in Grade 11 or 12 |
| Woodwork 12 | Woodwork Level 2 |
| Furniture & Cabinetry 12 | Woodwork 12 or combined with Woodwork 12 |
| Electronics & Robotics Level 1 | none, in Grade 9 or 10 |
| Electronics Level 2 | Electronics & Robotics Level 1 or in Grade 11 or 12 |
| Robotics Level 2 | Electronics & Robotics Level 1 or in Grade 11 or 12 |
| Electronics 12 | Electronics Level 2 or permission of instructor |
| Robotics 12 | Robotics Level 2 or Electronics Level 2 |
| Mechanics Level 1 | none, in Grade 9 or 10 |
| Mechanics Level 2 | Mechanics Level 1 or in Grade 11 or 12 |
| Automotive Technology 12 | Mechanics Level 2 |
| Engine & Drivetrain 12 | Mechanics Level 2 or combined with Automotive Technology 12 |
| Metalwork Level 1 | none, in Grade 9 or 10 |
| Metalwork Level 2 | Metalwork Level 1, or in Grade 11 or 12 |
| Metalwork 12 | Metalwork Level 2 |
| Art Metal & Jewelry 12 | in Grade 10, 11, or 12. No Metalwork experience necessary |
| Machining & Welding 12 | Metalwork Level 2 or combined with Metalwork Level 2 |
| Skills Exploration 11 | in Grade 11 or 12 or with teacher permission |

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DUAL CREDIT & WORK EXPERIENCE

In a competitive market, you must have unique specialized skills and knowledge to make you stand out from the crowd. Harmony between these two major factors requires serious soul searching and the motivation to find out what training and education is possible for you. Also, you need to make some decisions around what you will be satisfied doing. Is a vocational career or a career in Trades vs. traditional post-secondary right for you?

The following information provides an overview of some of the major routes you can follow which can begin before you even graduate! Acquaint yourself with what each has to offer and if you need more information on these programs visit <https://careered.sd35.bc.ca>.

| |
|---|
| ITA YOUTH WORK IN TRADES PROGRAM |
|---|

Who is eligible?

- Students 15 years of age or older enrolled in grade 10, 11, or 12.
- Students must be working with a Red Seal certified journey person who will agree to commit to training the student in an Industry Training Authority (ITA) recognized trade.
- Like other apprentices, Youth WORK in Trades apprentices are responsible for finding an employer who will hire them and commit to their training as a sponsor.

How does it work?

- Students who work in a trade area under the supervision of a journey person while in school, may be eligible to sign up as an apprentice.
- If the students meet all the criteria, they will be signed up as an apprentice with the ITA as well as a Youth WORK in Trades Apprentice with the Langley School District.

How do students benefit?

- Earn up to 16 elective credits towards graduation (equals four courses):
 - Youth WORK in Trades 11A - four Grade 11 credits (120 hours)
 - Youth WORK in Trades 11B - four Grade 11 credits (120 hours)
 - Youth WORK in Trades 12A - four Grade 12 credits (120 hours)
 - Youth WORK in Trades 12B - four Grade 12 credits (120 hours)
- Acquire skills employers want and get a head start on your career.
- Use 480 paid work hours towards your apprenticeship.
- Have a seamless transition from school to work.

\$1000 Youth WORK Award criteria - in order to receive you must:

- Be registered with the Industry Training Authority as a Youth Apprentice.
- Graduated with a Grade 12 Dogwood Diploma or Adult Dogwood.
- Successfully completed WRK 11A, WRK 11B, WRK 12A, and WRK 12B.
- Maintained a C+ average or better on Grade 12 numbered courses.
- Reported a total of at least 900 hours to the ITA by December 31 of the school year the student turns 19.

Popular Trades for Youth WORK in Trades students:

- Professional Cook*
- Electrician
- Welder
- Plumber
- Metal Fabricator
- Auto Service Tech Mechanic
- Baker
- Hairstylist
- Carpenter

Not sure which trade is right for you?

- Check the Industry Training Authority website, www.itabc.ca, for the current list of over 100 BC and “Red Seal” trades.

*The Professional Cook program operates out of WGSS. Please see Ms. McGee, Career Advisor, for more details.

| |
|--|
| THE ITA YOUTH TRAIN IN TRADES PROGRAM |
|--|

Students from across Langley School District can apply for a seat in one and two semester programs during their Grade 11 and/or 12 years. Students earn high school graduation credits, a post-secondary certificate and apprenticeship hours. The tuition for these programs is covered by a joint agreement with Langley School District and post-secondary institutions; however, there may be fees for equipment and supplies.

For more information and application process, go to <https://careered.sd35.bc.ca/opportunities/youth-train-in-trades/>. You may also pick up program specific information sheets from our Career Advisor in the Career Centre.

Automotive Service Technician partnered with KPU at Aldergrove Community Secondary

| Program Length and Dates | What do you learn? | What do you leave with upon successful completion of the program? | What do you need to get into the program? |
|--|---|---|--|
| <p>1 semester & July (Work Experience)</p> <p>Feb to July For grade 11 and 12 students</p> | <p>Skills and knowledge to start working in automotive service.</p> <p>Level I auto service technician trades skills.</p> | <ul style="list-style-type: none"> credit for 5 high school courses (20 credits) Training in Auto Service leading to apprenticeship exam AST 1 some practical work experience in the field ITA Registration | <ul style="list-style-type: none"> Grade 10 completion plus any Math 11 and English Language Arts 11 Automotive 11 or equivalent intention to graduate genuine interest in automotive service commitment to learning the skills, knowledge and attitudes required to do well in the field |

Carpentry partnered with KPU at Aldergrove Community Secondary

| Program Length and Dates | What do you learn? | What do you leave with upon successful completion of the program? | What do you need to get into the program? |
|--|---|---|---|
| <p>1 semester & July (Work Experience)</p> <p>Feb to July for grade 11 and 12 students</p> | <p>Skills and knowledge to start working in construction/carpentry.</p> <p>Level I carpentry trades skills.</p> | <ul style="list-style-type: none"> credit for 5 high school courses (20 credits) ITA Level I Carpentry apprenticeship training some practical work experience in the field college credits leading to Kwantlen's Citation in Carpentry/Construction ITA registration | <ul style="list-style-type: none"> grade 10 completion plus any Math 11 and English Language Arts 11 intention to graduate genuine interest in construction commitment to learning the skills, knowledge and attitudes required to do well in the field |

Hairstylist at Aldergrove Community Secondary partnered with ITA and Beauty Council of BC

| Program Length and Dates | What do you learn? | What do you leave with upon successful completion of the program? | What do you need to get into the program? |
|---|--|--|---|
| <p>2 semesters</p> <p>Feb to following Jan for grade 11 and 12 students</p> <p>Proposed New Program Schedule: *subject to change M-F, 8:30am-3pm Some Tues & Wed may run 10:30am-5pm</p> | <p>Skills and knowledge to become a certified hairstylist in BC.</p> | <ul style="list-style-type: none"> credit for 11 courses (44 credits) ITA & Beauty Council of BC registration 990 hours of credit towards ITA Hairstylist foundation program 300 ITA practicum hours through work experience in the industry and in the training salon ITA Certificate of Completion – CoQ Hairstylist Foundation | <ul style="list-style-type: none"> sincere interest in hair grade 10 completion plus English Language Arts 11 intention to graduate fully proficient in English language interest in working with people commitment to learning the skills, knowledge & attitudes required to be a successful hairstylist |

Piping/Plumbing partnered with BCIT at Langley Secondary School

| Program Length and Dates | What do you learn? | What do you leave with upon successful completion of the program? | What do you need to get into the program? |
|---|---|---|--|
| <p>2 semesters</p> <p>Feb to following Jan for grade 11 and 12 students</p> | <p>Skills and knowledge to start working in the piping trades: plumbing, steam fitting and sprinkler fitting.</p> | <ul style="list-style-type: none"> credit for 9 courses (36 credits) Level I piping trades apprenticeship training substantial practical work experience in the field BCIT's Certificate of Trade Training in Piping Foundation ITA Registration | <ul style="list-style-type: none"> grade 10 completion plus any Math 11 & English Language Arts 11 intention to graduate genuine interest in piping/plumbing commitment to learning the skills, knowledge and attitudes required to do well in the field |

Electrical partnered with BCIT at BCIT's Satellite Campus located at DW Poppy Secondary

| Program Length and Dates | What do you learn? | What do you leave with upon successful completion of the program? | What do you need to get into the program? |
|--|---|--|--|
| 1 semester 24 week program Feb to July for grade 12 students | Skills and knowledge to start working in the electrical trade: Planning, assembling, installing, testing, repairing and maintaining electrical equipment and systems. | <ul style="list-style-type: none"> BCIT's Electrical Foundation Certificate of Trades Training 18 credits (6 courses) of secondary school graduation credit Technical training for ITA Level 1 Apprenticeship Electrician | <ul style="list-style-type: none"> Genuine interest & drive to become an electrician Intention to graduate Commitment to learning the skills, knowledge & attitudes required to do well in this field Math 12 & Physics 11, English Language Arts 12 |

Landscape Horticulture Apprenticeship partnered with KPU located at KPU Langley Campus

| Program Length and Dates | What do you learn? | What do you leave with upon successful completion of the program? | What do you need to get into the program? |
|--|---|--|---|
| 1 semester 6 weeks of Level 1 training plus 13 weeks of paid work experience Feb – April For grade 11 & 12 students | Skills & knowledge needed to complete Level 1 Apprenticeship technical training. Included are botany, soils, plant identification, pest management & practical skills: to use equipment, to conduct basic engine maintenance, to calibrate fertilizer spreaders, to make pruning cuts and to work as part of a horticulture maintenance team. | <ul style="list-style-type: none"> Dual credit at the Gr. 12 level for 2 or 4 high school courses Credit for Level 1 Landscape Horticulture Apprenticeship ITA registration Kwantlen student transcript and registration | <ul style="list-style-type: none"> Good attitude and genuine interest Ability to learn through both "reading" & "doing" Physically able to do the work English Language Arts 10 (2 modules required) & Math 10 Grade 10 completion recommended Desire to work and attend school during the semester |

Professional Cook 1 partnered with VCC located at Walnut Grove Secondary School

| Program Length and Dates | What do you learn? | What do you leave with upon successful completion of the program? | What do you need to get into the program? |
|--|--|--|--|
| Full school year Sep to June For Grade 12 students (some skilled Grade 11 students may be considered) Program runs Mon – Thurs 2:30 – 7:30PM plus work experience outside class time | Skills and knowledge required to succeed in a range of industries; including restaurants, hotels, institutional kitchens & catering operations. Substantial hands-on and theoretical knowledge to work effectively in a food service environment. | <ul style="list-style-type: none"> Credit for at least 8 high school courses (32 credits) in Cook Training and work experience Certificate of Qualification – CoQ Professional Cook 1 ITA certification VCC certificate Practical work experience in the field ITA registration | <ul style="list-style-type: none"> Good attitude and genuine interest in working in the culinary industry Physical ability to safely use knives and other related kitchen tools <p>Entrance Requirements:</p> <ul style="list-style-type: none"> Fully proficient in the English language Completion of Grade 11 Food Safe certification by May 2020 One of the following school courses: Cafeteria or Cook Training, Food Studies 11/12 <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> Paid or volunteer food preparation work in a restaurant, catering business or professional kitchen |

WAVE - WORK AND VOLUNTEER EXPERIENCE

What

- A high school course that students normally complete outside of school hours at an employer's place of business.
- Students are placed with employers/organizations to job shadow and/or perform the duties of an entry level employee for up to 170 hours.
- Students gain experience and new skills in the workplace they wouldn't be able to get at school.

Why

- Complete course credits outside of a school in almost any industry/occupation.
- Get paid or gain volunteer experience while earning school graduation credits.
- Take more than nine courses in a school year, does not impact current school schedule.

Who

- Be in Grade 10-12.

When

- Complete work after school, weekends during school breaks (winter, summer, spring).

To apply for any of the above programs **book an appointment** with the WGSS Career Advisor, Ms. McGee, and she can help you get started with an application or discuss in further detail what options might be best suited for you. You can also contact Mrs. Docherty, Counsellor, to discuss your options.

Career Advisor, Ms. McGee cmcgee@sd35.bc.ca – Click [HERE](#) to book with Ms. McGee
Counsellor, Ms. Docherty sdocherty@sd35.bc.ca – Click [HERE](#) to book with Ms. Docherty
Youth WORK in Trades teacher, Mr. McKay dmckay@sd35.bc.ca
WAVE teacher, Mr. Dickson jdickson@sd35.bc.ca

FACULTY OF ARTS/HUMANITIES/SOCIAL SCIENCES - BC UNIVERSITY ENTRANCE REQUIREMENTS

Each institution listed is hyperlinked to their specific admissions requirements. Students and parents are advised that information is accurate at time of printing in January 2021 and can change without notice. Check websites to confirm requirements and to find the most up to date information.

| | UBC-Vancouver | UBC-Okanagan | SFU | U VIC | UFV | KPU | CAP U | TWU | TRU |
|---|---|--|---|--|--|--|---|---|--|
| English Language Arts (ELA) 12 | English Language Arts 12 (ELA) Minimum final grade of 70% in ELA 12 | ELA 12 Minimum final grade of 70% in ELA 12 | ELA 12 Minimum final grade of 70% in ELA 12 | ELA 12 Minimum final grade of 67% in ELA 12 | ELA 12 Minimum final grade of C+ in ELA 12 | ELA 12 Minimum final grade of C+ ELA 12 | ELA 12 Minimum final grade of C+ ELA 12 | ELA 12 Minimum final grade of 70% in ELA 12 | ELA 12 Minimum final grade of 73% in ELA 12 |
| Academic Math 11 or 12 | Foundations of Math 12 OR Pre-Calculus 11 (Pre-Calculus 12 if majoring in Econ.) Minimum final grade of 65% | Foundations of Math 11 or 12 OR Pre-Calculus 11 | Foundations of Math 11 or 12 OR Pre-Calculus 11 Minimum final grade of 70% recommended | Foundations of Math 11 OR Pre-Calculus 11 | Any Math 11 | Any Math 11 | Any Math 11 | Any Math 11, but recommends a Grade 12 Science or Math | Any level of Math 11 (depending on program of study). Check website for prerequisite. |
| Approved Language 11 | Required | Recommended | Required but can be an Introductory Language 11 | Recommended (Introductory Language 11 does not qualify) | Recommended | Recommended | Recommended | Recommended | Recommended |
| Approved Language 12 | COMPLETION OF A LANGUAGE COURSE EQUIVALENT TO A BC GRADE 12 LANGUAGE COURSE EXEMPTS STUDENTS FROM THE LANGUAGE REQUIREMENT FOR DEGREE COMPLETION AT MOST UNIVERSITIES. A minimum grade may be required to award this exemption – please check the institution's degree completion requirements. | | | | | | | | |
| Academic Science 11 | Academic Science 11 required Minimum final grade of 70% | Academic Science 11 required Minimum final grade of 70% | Academic Science 11 required Minimum final grade of 70% | Academic Science 11 required Minimum final grade of 70% | Any Science 11 | Any Science 11 | Any Science 11 | Any Science 11, but recommends a Grade 12 Science or Math | Any Science 11 |
| Grade 12 Requirements for Universities | ELA 12 plus minimum of five grade 12 courses. See UBC website. Minimum average of 85 – 90% | ELA 12 plus minimum of five grade 12 courses. See UBCO website. Minimum average of 85 – 90% | ELA 12 plus minimum of four grade 12 courses. See SFU website. Minimum average of 80% | ELA 12 plus three academically approved courses from their list. See UVIC website. Minimum average 78 - 82% | ELA 12 plus two academically approved courses from their list with a minimum B average. See UFV website. | ELA 12 See KPU website. | ELA 12 plus two academically approved courses from their list. See CAP U website. Minimum average of 60% | ELA 12 plus three academically approved courses from their list. See TWU website. Minimum average of 70% | ELA 12 See TRU website. |

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ADVANCED PLACEMENT PROGRAM

The Advanced Placement (AP) Program is a program of enrichment and acceleration that allows motivated students to begin their college or university studies while still in secondary school. Students who earn scores of 3 or higher on the AP Seminar exam and on four additional AP Exams of their choosing will receive the **AP Capstone Diploma**. Alternatively, the **AP Seminar and Research Certificate** is awarded for scores of 3 or higher on the AP Seminar and AP Research Exams only.

Who is it for?

Students who are motivated to challenge themselves academically in a specific subject area may consider an AP course. These university-level courses require a significant commitment and students will experience a high level of expectations from their teachers. It is important to avoid taking many AP courses in one year. By taking an AP course, you will get the university course experience in a secondary school setting. You also have the opportunity to get credit for the university course or preview the material before university.

What is a Pre-AP course*?

Pre-AP courses at WGSS are designed to be the first step in a two-year program for students to successfully complete the course content in AP Biology 12 and AP Chemistry 12. Neither the Life Sciences 11: Honours/Pre-AP and Chemistry 11: Honours/Pre-AP are AP courses and students do not write an AP exam nor receive an AP credit for either of these courses. However, students must take Life Sciences 11: Honours/Pre-AP and/or Chemistry 11: Honours/Pre-AP if they wish to continue with AP Biology 12 and/or AP Chemistry 12.

Pre-AP Courses beginning in Grade 11

*Life Sciences 11: Honours/Pre-AP

*Chemistry 11: Honours/Pre-AP

AP Courses offered at WGSS

AP Biology 12

AP Calculus 12 AB

AP Capstone Seminar 11 (offered in Grade 11)

AP Capstone Research 12

AP Chemistry 12

AP Computer Science Principles 12 (offered in Grade 10 [with permission of instructor] and Grade 11)

AP English Language & Composition 12 (offered in Grade 11)

AP English Literature & Composition 12

AP French Language and Culture 12 (offered for students enrolled in FRAL 12)

AP Microeconomics 12 } offered as one course

AP Macroeconomics 12 }

AP Music Theory 12

AP Physics 1 (offered in Grade 11)

AP Physics 2

AP Psychology 12

AP Statistics 12 (offered in Grade 11)

What Course Credits do I Receive?

Students enrolled in Biology, Chemistry, Economics, English, and Physics AP courses will receive eight provincial course credits upon successful completion. For example: AP Biology 12: four credits AND Anatomy and Physiology 12: four credits.

All post-secondary institutions recognize AP Courses as “approved academic Grade 12” courses for the calculation of admission GPA. Double check with your post-secondary institutions how GPA is calculated for AP classes.

What does it cost to write the AP exams?

Upon successful completion of an Advanced Placement course, students will have an opportunity to write the AP exam. Any students enrolled in an AP course are responsible to register with the AP board via an AP account. Please go to <http://wgss.ca/programs-courses/advanced-placement-program/> to read the details and set up an account. The costs of the exams are:

- Approximate fee \$135 per exam
- AP Capstone Seminar 11 and AP Research exam fees are approximately \$195

AP Pathways

The following table shows the AP courses students may want to consider taking for four example pathways. ***These pathways are not required.*** These are provided as a tool to help students plan out their courses through their years at WGSS.

AP Capstone Certificate = AP Capstone Seminar + AP Research with score of 3 or greater on AP exams

AP Capstone Diploma = AP Capstone Seminar + AP Research + Four (4) additional AP Courses with score of 3 or greater on AP exams.

Humanities:

| Possible Course Choices | Suggested Grade | Prerequisite |
|--|-----------------|---|
| AP English Language and Composition | 11 | ELA 10 or ELA 10 Honours |
| AP English Literature and Composition | 12 | Literary Studies 11 or AP English Language & Comp. 12 |
| *Life Sciences 11H/Pre-AP (2-year program) | 10 or 11 | SC 10 and department recommendation |
| AP Biology (2-year program) | 11 or 12 | *Life Sciences 11H/Pre-AP |
| AP Psychology | 12 | Life Sciences 11 and Anatomy 12 (can be concurrent) |
| AP Statistics | 11 or 12 | Pre-Calculus 11 or Foundations of Math 11 |
| AP Microeconomics | 12 | In Grade 12 or permission of instructor |
| AP Macroeconomics | 12 | In Grade 12 or permission of instructor |
| AP French | 12 | In FRAL 12 and permission of instructor |
| AP Capstone Seminar | 11 | Completed EN 10, SC 10, and SS 10 |
| AP Capstone Research | 12 | AP Capstone Seminar |

Business:

| Possible Course Choices | Suggested Grade | Prerequisite |
|--|-----------------|---|
| AP Microeconomics | 12 | In Grade 12 or permission of instructor |
| AP Macroeconomics | 12 | In Grade 12 or permission of instructor |
| AP Computer Science Principles | 10, 11, or 12 | In Grade 11 or 12. Grade 10 students with strong math skills and permission of instructor |
| AP Statistics | 11 or 12 | Pre-Calculus 11 or Foundations of Math 11 |
| AP English Language and Composition | 11 | ELA 10 or ELA 10 Honours |
| AP English Literature and Composition | 12 | Literary Studies 11 or AP English Language & Comp 12 |
| *Life Sciences 11H/Pre-AP (2-year program) | 10 or 11 | SC 10 and department recommendation |
| AP Biology (2-year program) | 11 or 12 | *Life Sciences 11H/Pre-AP |
| AP Psychology | 12 | Life Sciences 11 and Anatomy 12 (can be concurrent) |
| AP Calculus | 12 | Pre-Calculus 12 (required for many Ontario PSI Business programs) |
| AP Capstone Seminar | 11 | Completed EN 10, SC 10, and SS 10 |
| AP Capstone Research | 12 | AP Capstone Seminar |

Sciences:

| Possible Course Choices | Suggested Grade | Prerequisite |
|--|-----------------|---|
| *Life Sciences 11H/Pre-AP (2-year program) | 10 or 11 | SC 10 and department recommendation |
| AP Biology (2-year program) | 11 or 12 | *Life Sciences 11H/Pre-AP |
| *Chemistry 11H/Pre-AP (2-year program) | 10 or 11 | SC 10 and department recommendation |
| AP Chemistry (2-year program) | 11 or 12 | *Chemistry 11H/Pre-AP |
| AP Physics 1 | 11 or 12 | Physics 11 |
| AP Physics 2 | 12 | AP Physics 1 and Pre-Calculus 11 and Physics 12 |
| AP Calculus AB | 11 or 12 | Pre-Calculus 12 |
| AP Statistics | 11 or 12 | Pre-Calculus 11 or Foundations 11 |
| AP Computer Science Principles | 10, 11, or 12 | In Grade 11 or 12. Grade 10 students with strong math skills and permission of instructor |
| AP Psychology | 12 | Life Sciences 11 and Anatomy 12 (can be concurrent) |
| AP Capstone Seminar | 11 | Completed EN 10, SC 10, and SS 10 |
| AP Capstone Research | 12 | AP Capstone Seminar |

Mathematics:

| Possible Course Choices | Suggested Grade | Prerequisite |
|--|-----------------|---|
| AP Statistics | 11 or 12 | Pre-Calculus 11 or Foundations of Math 11 |
| AP Calculus AB | 11 or 12 | Pre-Calculus 12 |
| AP Computer Science Principles | 10, 11, or 12 | In Grade 11 or 12. Grade 10 students with strong math skills and permission of instructor |
| AP Physics 1 | 11 or 12 | Physics 11 and Pre-Calculus 11 |
| AP Physics 2 | 12 | AP Physics 1 and Pre-Calculus 11 and Physics 12 |
| *Chemistry 11H/Pre-AP (2-year program) | 10 or 11 | SC 10 and department recommendation |
| AP Chemistry 12 (2-year program) | 11 or 12 | Pre-Calculus 12 |
| *Life Sciences 11H/Pre-AP (2-year program) | 10 or 12 | SC 10 and department recommendation |
| AP Biology 12 (2-year program) | 11 or 12 | *Life Sciences 11H/Pre-AP |
| AP Psychology | 12 | Life Sciences 11 and Anatomy 12 (can be concurrent) |
| AP Capstone Seminar | 11 | Completed EN 10, SC 10, and SS 10 |
| AP Capstone Research | 12 | AP Capstone Seminar |

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AP CAPSTONE PROGRAM



AP Capstone is an innovative diploma program that helps you to stand out in the university admissions process by developing the critical skills needed to succeed in university and in life. Two courses, AP Seminar 11 and AP Research 12, allow you to immerse yourself in topics that matter to you while developing the analytic, research, problem-solving and communication skills that universities seek in their applicants.

How AP Capstone Works

Students typically take AP Seminar in Grade 11 followed by AP Research in Grade 12. Students who earn scores of 3 or higher on the AP Seminar exam and on four additional AP Exams of their choosing will receive the **AP Capstone Diploma**. This signifies outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, the **AP Seminar and Research Certificate**, signifying attainment of college-level academic and research skill, is awarded for scores of 3 or higher on the AP Seminar and AP Research Exams only.

Year One: AP Seminar 11

Prerequisite: completion of English Language Arts 10, Science 10, and Social Studies 10

In the first year, you will develop and strengthen your analytic and inquiry skills, deeply exploring topics and issues chosen by you and your teacher. You will learn to consider an issue from multiple perspectives, evaluate the strength of an argument and make logical, fact-based decisions. For example, you might explore the question of whether genetic engineering is beneficial to society.

During the course, you will complete a team project, an individual paper and presentation, and take a written end-of-course exam (approximate fee of \$195). Your AP Seminar Exam score will be based on all three assessments using the usual 1-5 AP scoring scale.

Note: AP Seminar 11 can be taken as a single class in Grade 12. Students in Grade 12 who take AP Seminar 11 must sign-up for Career Life Connections/Capstone 12 as well as it is not part of the AP Seminar 11 course.

Year Two: AP Research 12

Prerequisite: completion of AP Seminar 11 and in Grade 12 taking at least one other AP course

In this course, you will complete an independent research project on a topic of interest to you. For example, you can:

- Dig deeper into a topic you studied in an AP course
- Work across academic areas on an interdisciplinary topic
- Study a new area of interest, perhaps one you'd like to study in university

At the end of the research project, you will submit an academic thesis paper, present your finding and orally defend your work. Your AP Research score will be based on your paper, the presentation, and the oral defense, using the 1-5 AP scoring scale. Students enrolled in the AP Capstone Research Course will receive Life Connections/Capstone 12 credits via completion of the Research course.

It is recommended that students not enroll in more than two AP courses in Grade 10, three AP courses in Grade 11 and four AP courses in Grade 12.

HONOURS PROGRAM

The Honours Program is designed to complement other programs in keeping with the philosophy of the school. Honours courses are available in English and Science.

PROGRAM STRUCTURE

The Honours Program consists of:

- the regular course curriculum at each grade level
- enriched curriculum or accelerated curriculum

Eligibility and Selection

- Students who wish to be considered for an Honours class in one of the two Honours areas should complete an online form.
- Recommendations from the current teachers will be given to the Department for review.
- The final determination of student placement in Honours programs resides with the Administration.

THE EDGE ACADEMY

The Walnut Grove EDGE Academy is an integrated studies approach to learning. It is open to both English stream and French Immersion students. British Columbia provides a unique learning environment for teaching and learning about our great outdoors and the school curricula.

The EDGE program is a blend of classroom-based activities and fieldtrips. In many cases, outdoor trips are used to gather information and data that is later used in the classroom. In other situations, out-of-class activities become the classroom with readings, lectures, research, journal writing, and classroom instruction occurring.

Students in the EDGE program will be enrolled in the following courses:

- ELA Literary Studies 11
- Human Geography 12 or Exploration en sciences humaines et sociales 11
- Outdoor Education 11
- One of the following Mathematics options: Foundations of Mathematics 11, Pre-Calculus 11, or Pre-Calculus 12

Students need to choose eight courses on their Course Planning Form. A separate EDGE application form will ask students to indicate which of their requested courses they would like deleted if they are accepted into the EDGE program and placed in the four courses listed above. The Application Form needs to be completed and submitted to Mr. Stead in the PHE office by Thursday, February 11, 2021. The four EDGE courses are scheduled together in the WGSS block cycle. French Immersion students typically replace Human Geography 12 (the Social Studies 11 requirement) with the Bilingual Dogwood requirement course Exploration en sciences humaines et sociales 11.

A typical year in the EDGE Academy will involve three extended fieldtrips and numerous day outings. Please visit our website www.wgssedgeweebly.com to explore the outings, class schedules and basic equipment requirement. See a promotional video [here](#).

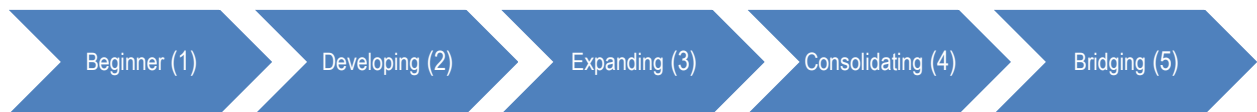
There is an application process for consideration for participation in this outdoor education program. The EDGE program has a limited enrolment capacity. Please complete the EDGE application form before the February 11 deadline www.wgssedgeweebly.com/apply.html

Students will be required to pay a total sum of \$775 for their year involvement in EDGE. This fee will be divided into two instalments. The money covers the cost of transportation, toll or ferry costs, camp registrations, and accommodation expenses. The only additional cost is food during the overnight trips.

ENGLISH LANGUAGE LEARNERS

Our **English Language Learning** classes are designed to ensure our students have the support they need to become more proficient in reading, writing and communicating in English. Each language skill is assessed on a five-level scale following the new BC Curriculum Guide. The five levels include Beginning (1), Developing (2), Expanding (3), Consolidating (4), and Bridging (5).

All ELL students will be tested in the Spring to make sure they are placed in the right ELL support level for the following September. They will be assessed on their comprehension, vocabulary, and writing skills. At that time, a student may test out of the ELL program based on their score for the combined ELL tests given. ELL students are not required to take all the ELL courses listed below; each student is assessed independently through the ELL testing procedure as well as on their performance in their regular classes. The ELL program is a placement program; students will be enrolled in the classes that best support their educational needs. Each student will be assessed on their individual effort.



At Walnut Grove Secondary ELL students receive specific level support through the Beginner (1) to Consolidating (4) levels.

The **Beginner** (Level 1) student uses basic vocabulary and simple sentences to engage in communication. This student uses their own language and culture to comprehend simple text on familiar topics. Instructional scaffolding will be provided using high interest/low vocabulary resources. Senior ELL mentors are available to provide extra language support during classroom time and with reading and homework help after school. This student will be enrolled in the following four ELL classes:

- ELL Beginner Communications – English
- ELL Beginner Communications – Social Studies
- ELL Beginner Communications – Science
- ELL Beginner Communications – Oral Language

The **Developing** (Level 2) student uses practical vocabulary and simple sentences to enhance social interaction and academic experiences. This student is strengthening pronunciation and understanding of social and academic vocabulary. This student uses re-reading, predicting, and word recognition to comprehend text on familiar topics. Instructional scaffolding will be provided using high interest/modified resources. Senior ELL mentors are available to provide extra language support during classroom time and with reading and homework help after school. This student will be enrolled in the following four ELL classes:

- ELL Beginner Communications – English
- ELL Beginner Communications – Social Studies
- ELL Beginner Communications – Science
- ELL Beginner Communications – Oral Language (if necessary)

The **Expanding** (Level 3) student uses simple academic vocabulary and a variety of sentence structures to accomplish academic tasks. This student is using predicting, inferencing, and context clues to aid in comprehension of unfamiliar text. Instructional scaffolding will be provided using high interest/abridged and original resources. Senior ELL mentors are available to provide extra language support during classroom time and with reading and homework help after school. This student will be enrolled in four ELL classes:

- ELL Academic Language – English
- ELL Strategies for Academic Success 10 (Socials)
- ELL Academic Language – Science OR Regular Science 8 or 9 (depending on grade level)
- ELL Career Life Education 10 (if student is in Grade 10)

The **Consolidating** (Level 4) student uses a broadening scope of vocabulary more typical for grade level academic tasks. This student is using predicting, inferencing, synthesizing, context clues, and word analysis to aid in comprehension of unfamiliar text. Instructional scaffolding will be provided using high interest resources with more complex and specific language. This student will be enrolled in one ELL class:

- English Language Development 8/9 OR English Language Development 11 (depending on grade)

Additional ELL classes available for Grade 10 students in the Consolidating (Level 4) program:

- English Language Arts 10 Spoken Language/Composition combined with English Language Development 10 to provide Grade 10 English Language Arts instruction every day for a full year.

Additional ELL classes available for Grade 12 students in the Consolidating (Level 4) or Bridging (Level 5) program:

- English Language Arts 11 (Composition) and English Studies 12 Semester program. These classes meet every day for the whole year to complete ELA 11 by January and ELA 12 by June for graduation.

DESCRIPTIONS OF ELL COURSES

Beginner (Level 1) and Developing (Level 2)

ELL BEGINNER COMMUNICATIONS - ENGLISH

This course is designed to introduce ELL students to the four main English language skills of reading, writing, listening, and speaking. It also encourages the viewing and representation of materials. The course focuses on developing strategies needed to read, write and extract information successfully in English.

ELL BEGINNER COMMUNICATIONS – SOCIAL STUDIES

This course is designed to introduce ELL students to the skills required for success in Social Studies. It is designed to extend a student's ability to use various learning strategies in order to meet the learning outcomes and core competencies in Social Studies courses. Skills include historical perspective, historical significance, continuity & change, primary sources, and cause & consequence. All content will be adapted to the appropriate ELL level for students.

ELL BEGINNER COMMUNICATIONS - SCIENCE

This course provides students with the opportunity to learn about major fields of science with language adaptations. Students will look at the characteristics of life, cellular respiration, climate change, atomic theory, matter, properties of sound and light, and major geological events. While exploring these big ideas, students will learn the scientific skills of questioning, predicting, and analyzing data to prepare students for regular grade level Science classes. Topics such as biology, chemistry and physics will be adapted from the regular Grades 8 and 9 Science courses.

ELL BEGINNER COMMUNICATIONS – ORAL LANGUAGE

The ELL Oral Language course prepares English Language Learners for daily conversations and oral presentations in the classroom. Speaking English takes practice and many ELL students are nervous about speaking in public because of errors in pronunciation. This class addresses pronunciation and provides much needed opportunities to practice verbal speaking in a safe and comfortable environment.

Expanding (Level 3)

ELL ACADEMIC LANGUAGE – ENGLISH

This course is designed to enable ELL students to extend the four main English language skills of listening, speaking, reading and writing in content areas. The focus is on expanding the strategies needed to read, research, and write successfully in English for academic success.

ELL STRATEGIES FOR ACADEMIC SUCCESS 10

This course is designed to familiarize and extend a student's abilities to use various learning strategies to meet the Curricular and Core Competencies in content-based courses such as Social Studies. Emphasis will be on the comprehension of important concepts, linking current information to prior knowledge and the application of strategies and skills necessary for academic success in Canada.

ELL ACADEMIC LANGUAGE – SCIENCE

This course prepares students for regular Science 10 classes. The focus is on developing reading, writing, listening, and speaking skills related to science content. Topics such as biology, chemistry and physics will be adapted from the regular Grade 10 Science courses. Upon completion, the teacher may decide the student is strong enough to receive Science 10 credit.

ELL CAREER LIFE EDUCATION 10

Career Life Education is a required course that recognizes three major phases of career development — Foundation and Awareness, Exploration, and Experience and Application. As students move through Grade 10, they will refine their understanding of the links between personal development and their career decisions. Through the CLE course, students will also learn about their Capstone Project, which they will complete in Grade 12 and is required for graduation.

Consolidating (Level 4)

ENGLISH LANGUAGE DEVELOPMENT 8/9

This course is designed for Grade 8 and 9 ELL students who are enrolled in regular academic courses but require further academic support. It is designed to improve student's knowledge base and increase comprehension and writing skills needed to become fluent in the English language. Emphasis will be on the use of study strategies, building on key academic concepts, and increasing the foundation of reading and writing skills.

ENGLISH LANGUAGE DEVELOPMENT 11

This course is designed for Grade 10 and 11 ELL students who are enrolled in regular academic courses but require further academic support. It is designed to improve student's knowledge base and increase comprehension and writing skills needed to become fluent in the English language. Emphasis will be on the use of study strategies, building on key academic concepts, and increasing the foundation of reading and writing skills.

ENGLISH LANGUAGE ARTS 10 – SPOKEN LANGUAGE/COMPOSITION COMBINED WITH ENGLISH LANGUAGE DEVELOPMENT 10

Spoken Language 10 gives students the opportunity to study, create, and use language to produce and perform original pieces in a variety of ways. This course will help students improve their verbal communication and presentation skills. Possible areas of focus: spoken word/slam poetry, poetry recitation, oral storytelling, readers' theatre, radio/podcasts, video posts. This will be in tandem with Composition 10, which is designed to develop students' skills in written communication in a variety of contexts. Composition 10 provides students with opportunities to think critically as they explore, extend, and refine their writing. Students will develop their writing skills through processes of drafting, reflecting, and revising their writing for a range of situations. Possible areas of focus: narrative, expository, descriptive, persuasive, and opinion pieces; writing for specific audiences and disciplines; evaluating and citing sources; considering the credibility of evidence.

This course is designed to combine two instruction blocks so that Grade 10 ELL students receive English Language Arts instruction every day for a full year.

ENGLISH LANGUAGE ARTS COMPOSITION 11 and ENGLISH STUDIES 12

These two semester courses cover the curriculum and core competencies of ELA 11 in the first half of the year and ELA 12 in the second half of the year. This course is designed to combine two instruction blocks so that Grade 12 ELL students receive English Language Arts instruction every day for a full year. Students must successfully complete ELA 11 in order to continue in ELA 12. The focus will be on developing and refining communication and English language skills for success in post-secondary education and life in Canada.

SECOND LANGUAGE CREDIT INFORMATION

A number of Canadian post-secondary institutions require students to have completed a 'second language' to the Grade 11 level. Students need to check the specific requirements of the post-secondary institutions they are considering attending. For international students, there are several options to consider and discuss with the International Coordinator or school counsellor.

a) Language Equivalency

Students can receive credit for language study if their first language is one of **French, German, Japanese, Mandarin, Punjabi, or Spanish**.

Students who have completed studies in their home countries to a certain grade can receive language credit in Canada when they show their Grade 7-9 report cards. Students will receive course credits with marks (%) that count towards the 80 credits required for BC graduation. If a percentage cannot be determined, the student's transcript will show TS (Transfer Standing). These courses can be used as one of the four recognized academic courses for SFU or UBC admissions.

| Grade in Home Country | Language Credit in Canada | Example | Sample Mark |
|-----------------------|------------------------------------|-------------|-------------|
| Gr. 7 completed | Gr. 10 Language Credit (4 credits) | Mandarin 10 | 85% |
| Gr. 8 completed | Gr. 11 Language Credit (4 credits) | Mandarin 11 | 82% |
| Gr. 9 completed | Gr. 12 Language Credit (4 credits) | Mandarin 12 | 84% |

It is also possible to get language equivalency credit for **American Sign Language, Arabic, Italian, Korean and Russian**. However, these courses cannot be used as one of the top four recognized academic courses for SFU or UBC admissions.

b) External Language Credit

Students who do not meet the criteria for Language Equivalency will be considered for “external language credit”. This is for students whose primary language of instruction in their home country is not in the main list of languages, e.g. **Cantonese**. The grade completed in the home country determines the language credit. The student’s transcript will show TS (Transfer Standing), not a mark. The External Language Credits count towards the 80 credits required for BC graduation, but cannot be used to help the overall percentage required for university entrance.

| Grade in Home Country | Language Credit in Canada | Example | Sample Mark |
|-----------------------|------------------------------------|----------|-------------|
| Gr. 7 completed | Gr. 10 Language Credit (4 credits) | UXLC 10A | TS |
| Gr. 8 completed | Gr. 11 Language Credit (4 credits) | UXLC 11A | TS |
| Gr. 9 completed | Gr. 12 Language Credit (4 credits) | UXLC 12A | TS |

c) Language Challenge Exam

Students who came to Canada before completing Grade 9 and who cannot claim Grade 12 Language Credit are encouraged to consider taking the Language Challenge Exam.

Delta School District offers students the opportunity to write Language Challenge Exams. Information and application forms are available online in September of each school year. Applications need to be turned in to the WGSS Counselling Centre in early October. The test is written in January in Delta, BC. Students should be in Grade 11 or 12 when they write the exam. Any student considering the exam should discuss their options with a counsellor or international coordinator and read the “Frequently Asked Questions” section at the Delta website: <http://web.deltasd.bc.ca/schools/secondary/challenge-exams>

Please Note:

Korean 12 is not a recognized academic course. It meets the language requirement for both SFU and UBC but cannot be used as one of the recognized academic courses for SFU or UBC admissions in the calculation of admission averages.

d) Studying an Additional Language

Students who arrive in Canada before or during Grade 7 or who wish to study an additional language should consider gaining language credits by studying French or Spanish at WGSS.

UNIVERSITY ENTRANCE INFORMATION

Each post-secondary institution has General Entrance Requirements and English Language Entrance Requirements that are specific to their institution. General information can be found on the grid on page 22. Consult the International Student Coordinator or a counsellor with questions about specific institutions.

English Entrance Requirements - UBC

Students must meet one of these requirements:

1. Complete four or more consecutive years of full-time education in English within Canada immediately prior to attending UBC.
2. Achieve a grade of 70% or better on the provincial examination portion of BC English 12 or English Literature 12 or the equivalent.
3. Achieve the required scores in listening, reading, speaking, and writing on one of the tests of English language proficiency.

| | | |
|-------|--|--|
| IELTS | International English Language Testing System (Academic) | 6.5 with no part less than 6.0 |
| TOEFL | Internet-based test | Overall score: 90 Reading & Listening: 22 Writing & Speaking: 21 |
| TOEFL | Paper-based test with the TWE (Test of Written English) | 55 each for Reading, Listening, and Writing (4.0 on TWE) |

English Entrance Requirements - SFU

Students must meet one of these requirements:

1. Completion of the last three years of full-time secondary education in English in Canada or another country where the principal language of instruction is English. A minimum grade of 70% in English Studies 12 is required.
2. Achieve the required scores in listening, reading, speaking, and writing on one of the tests of English language proficiency.

| | | |
|-------|--|--|
| IELTS | International English Language Testing System (Academic) | 6.5 with no part less than 6.0 |
| TOEFL | Internet-based test | Overall score: 88 or better Minimum score of 20 in each of the four components: listening, speaking, writing, reading |

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STUDENT SUPPORT SERVICES

The department of Student Support Services offers a wide variety of supports for students with learning difficulties and/or special needs. Placement is by referral, assessment and/or recommendation. A flexible approach is taken to facilitate individual needs. Levels of support could include: as-needed support by a case manager, access to resource room support for tests or assignments on a drop-in basis, or a scheduled support block as part of the timetable.

Resource support is a team-based approach for designated¹ or LA (Learning Assistance) students, in Grades 8-12 who require additional academic or socio-emotional support in order to be successful. These classes are designed to build the foundational skills for student success of organization, executive functioning, communication, self-regulation, study skills and academic support.

An important objective of the student support services is the inclusion of students, as far as is practicable, in regular school programs. Students with special needs can graduate in the traditional manner² and will be awarded graduation credentials based on their particular program(s) of study.

For specific questions please contact Sabrina Block, sblock@sd35.bc.ca or Patsy O'Dell, podell@sd35.bc.ca, the Co-Department Heads.

¹students with an official ministry of education designation (LD, ASD, PD/CHI etc.) which has been confirmed by the school district.

²students with special needs graduate in the traditional manner by either:

- meeting provincial graduation requirements and learning outcomes and graduating with a Dogwood Diploma.
- meeting the education goals stated in their individual education plan (IEP) and graduating with an Evergreen school completion certificate.

OFF CAMPUS (ON-LINE) COURSES PROTOCOL

Off-campus courses include Distributed Learning, Night School, and Distance Education.

Distributed Learning in BC means taking a course away from the home school of record. Distributed Learning can be a blend of required class time and virtual class time (blended) or virtual class time exclusively. While the student gains flexibility around how, when, and where the learning occurs, they also increase their level of responsibility for their own learning and are expected to be active learners required to meet deadlines, manage time, and be self-motivated.

At WGSS we believe in the value of engaged learning. We appreciate when students have the opportunity to interact with their peers and be a part of the school community. Particularly in courses such as the Languages and Math, we have found that students are not successful when they work independently on courses on-line. **The majority of students (90%) do not complete their on-line courses.**

We do recognize that there are times when a family makes the decision to take a course on-line. The procedure to do this and stay enrolled at WGSS is as follows:

- 1) Meet with your assigned counsellor to determine the impact and plausible outcomes of taking an off campus course. There are certain courses that WGSS does not permit students to take off campus.
- 2) Ensure that you are in a position to graduate and that you meet post-secondary admission requirements for your program of choice.
- 3) Parents and students who have elected to register in off campus (online) courses need to verify that the course provider has sent the mark to the Ministry of Education upon completion. This ensures receiving graduation credit.
- 4) Be aware that in non-COVID years, all post-secondary institutions have different deadlines for the completion of distributed learning courses. For example, SFU requires 100% completed by January 31; UBC requires 100% completion by February 1.
- 5) Please be aware that WGSS students are required to have eight courses on their schedule at WGSS.
- 6) If a student enrolls in an off-campus course to get ahead (e.g. PHE), the course needs to be completed by May 15 in order for changes to be made to the student's timetable in time for the next school year.
- 7) English Language Art courses and Career Life Connection/Capstone courses must be taken at WGSS.
- 8) French Immersion students cannot take any French Immersion classes online. They must be taken at WGSS.

On Line Service Options

- LearnNowBC – search engine of all on-line courses in BC www.learnnowbc.gov.bc.ca
Provincial website with a comprehensive database of all distributed learning in the province (Grade 8-12)
- Langley Education Centre (604.534.74155)
Grade 10-12 – direct instruction, on-line courses with directed learning
21405A 56 Avenue, Langley
www.lecss.com

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GAINING EXPERIENCE

“Do you have any experience?” they ask at places of employment and post-secondary training institutes. Fortunately, there are several opportunities for Walnut Grove students to get valuable experience while you are in secondary school. Here are some examples:

VOLUNTEER OPPORTUNITIES

By volunteering you are contributing to your community, developing your skills, exploring your interest, and building a network. Those that volunteer build relationships that can support their post-secondary and career goals. You also fulfill requirements that are needed for graduation. Above all you are increasing the potential to find your passion or discover skills and talents that otherwise might not be discovered.

A great place to start is The Langley Volunteer Bureau. They have a database of over 60 organizations across Langley who provide current opportunities to students. You can create a profile at www.bettercommunity.ca and start your search. You can also consider your current network, family, friends, team members etc. who may have opportunities available. Some students create their own project that solves a problem or fulfills a need. It is also a great idea to join at least one of your school groups, clubs, teams, or councils. Current opportunities are sent out in Gator News, Grad News and Instagram @WGSSCareers.

Book an appointment [HERE](#) with your career advisor, Ms. McGee, if you need help in identifying what volunteer opportunities are right for you.

SCHOOL ACTIVITIES

Valuable career experience can be obtained by getting involved in school clubs, teams, and other services. Employers are impressed with young adults who have several examples of involvement in school activities. Listed below are examples of school activities for you to get involved in:

| | | |
|-------------------------------|----------------------------------|---------------------------------|
| Sports Teams and Events | Gavel Club | Drumline |
| Humanitarian Club | Chess Club | Young Entrepreneurs |
| Grad Council | Math Challengers/Mathletics Club | Pride Club |
| Student Council | Indian Umbrella Club | Lunch Buddies |
| Robotics Club | Relay for Life | W.Y.N.S. |
| Debate Club | Gator Nation News (GNN) | CGMA Club |
| Environmental Club/Green Team | Gator Leadership Club (GLC) | E-sports Club |
| Me 2 We | Library Advisory Council | Entertainment & Production Club |
| Kindlers Society Club | Leo Club | Non-electronic Activities Club |

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SCHOLARSHIPS

District Scholarship Website: www.sd35.bc.ca/students-parents/scholarship-information

The SD35 Scholarship Website has a searchable database of scholarships available for Grade 12 students to consider applying for, as well as a Scholarship Handbook, sample Comprehensive Resume, Spreadsheet, and scholarship forms.

WGSS Scholarship Information: <http://wgsscounselling.weebly.com/scholarships.html>

WGSS has a separate website with specific scholarship information for our students; on this site you will find Scholarship PowerPoint Presentations, the WGSS Scholarship Application Forms, and searchable databases. *Gator News for Grads Newsletter* and [@GatorFutures](#) also highlight scholarship opportunities

Provincial Awards Program – Five Scholarship Opportunities (see descriptions below)
www.bced.gov.bc.ca/awards

The Provincial Awards Program is intended to reward student achievement, motivate high school students to graduate, and encourage students to pursue further education through post-secondary institutions and job-training programs. To be eligible for Provincial and District Scholarships a student must be enrolled in Grade 12 in a program leading to graduation in June, have a Social Insurance Number, and be a Canadian Citizen or a Permanent Resident.

Fifty-five **BC Excellence Scholarships** are available to recognize well-rounded B.C. graduates. Winners will have demonstrated community service, both inside and outside their schools, and shown aptitude and commitment to their chosen career paths. Winners receive a \$5000 scholarship voucher to use for post-secondary tuition. The WGSS Scholarship Committee may nominate one student to be considered for this award. Additional information will be available through the Grad Newsletter.

The **BC Achievement Scholarship** recipients are determined by the Ministry of Education based on students' achievement in Grades 10, 11, and 12 courses that satisfy BC Graduation Program requirements, including elective courses. A cumulative average percentage is calculated on all Grade 10-12 marks in late October and the top 8000 students in the province each receive a \$1250 voucher in November (after graduation) to be used towards post-secondary studies within five years from September 30 of a student's graduation year.

The Ministry of Education **District Authority Award** recognizes students for excellence in one of the following chosen areas of interest or strength:

- **Indigenous Languages & Culture** (commitment to language revitalization of indigenous culture in school or the community)
- **Arts Education** (e.g. three courses in and/or out of school) in one of Visual Arts, Dance, Drama or Music
- **Applied Skills** (e.g. three courses in one of Business Ed, Technology Ed, Computers, Home Economics)
- **Physical Activity** (e.g. three courses in Physical Ed or Provincial/National participation in Athletics, or Gymnastics)
- **International Language** (studied three or more languages)
- **Community Service** (local, global and cultural)
- **Technical and Trades Training** (e.g. Carpentry, Automotive, Mechanics, Electrical, etc.)

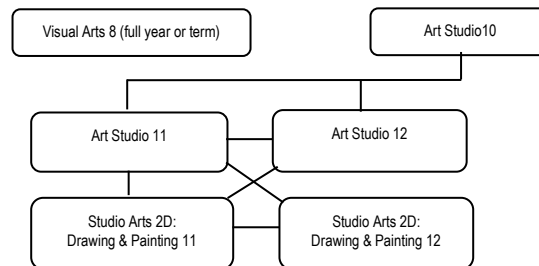
A District Authority Application Form is available on the WGSS Counselling and Careers Website. Generally, approximately 33 WGSS students win a District Authority Award and receive a \$1250 scholarship voucher to use towards their post-secondary tuition. Students have up to five years to use the voucher they receive.

The Pathway to Teacher Education Scholarship (PTES) is awarded to 20 outstanding high school graduates who have demonstrated a commitment and aptitude for a career path in K-12 teaching. Each recipient will receive a \$5000 scholarship voucher to use towards tuition in their teaching program at a designated BC post-secondary institution. Students submit their application directly to the Ministry of Education on or before the deadline of February 28. The voucher must be redeemed within seven years from September 30 of a student's graduation year.

The **Youth Work in Trades (WRK)**: Students enrolled in these courses go to work and attend high school at the same time while being registered with the Industry Training Authority as Youth Apprentices. Students who successfully complete the 16 credits may qualify for the WRK Scholarship – a \$1000 automatic award available to students who report at least 900 hours to the ITA by December 31 of the year the student turns 19, maintained a C+ average in ALL of their Grade 12 courses, and successfully completed all four WRK courses.

ARTS EDUCATION DEPARTMENT

ART



ART STUDIO 10 (MVAS10)

Prerequisite: none

Art Studio 10 continues to build on the foundation established in Visual Arts 8; however, students with little or no art experience are also welcome. The projects in Art Studio 10 are designed to meet a wide range of students' skill and experience in art. Course material includes drawing, painting, design and graphics, 3D construction, printmaking, fabric art and some art history appreciation. Students are expected to maintain a sketchbook.

ART STUDIO 11 (MVAS11)

Prerequisite: none

Art Studio 11 is an exciting foundational year for senior art. Many new techniques and media will be introduced this year in preparation for Art Studio 12. This is the year to explore and develop skills and techniques prior to entering the advanced levels of visual arts. Students will continue to develop drawing, painting, print making and sculpting skills with an emphasis on image development, composition and design. Critiques will occur in class and each student will be expected to maintain a sketchbook to aid in recording their ongoing development as an artist. For beginner's, this is a good opportunity to try something new despite being in Grade 11.

ART STUDIO 12 (MVAS12)

Prerequisite: Art Studio 11 or Studio Art 2D: Drawing & Painting 11 or Ceramics 11 or Photography 11

This course will bring all your art skills and knowledge together to create works in a variety of media and genres. Through exploration of identity and self you will be challenged and surprised by the ability to overcome critical thinking problems and develop art works that you previously thought you could not possibly do. If you can imagine it, we can do it! Advanced techniques in drawing, painting, printmaking, sculpture and design will be examined as well as incorporating art history in a fun and interesting way. Critiques will take place during classes and a sketchbook will be maintained by each student. During the course, we will look at building a portfolio for those going on to post-secondary in Arts Education.

STUDIO ARTS 2D: Drawing & Painting 11 (MVAD-11)

Prerequisite: none

Studio Arts 2D: Drawing & Painting 11 is designed for students wishing to intensively cover drawing and painting strategies introduced in Art Studio 10 and Art Studio 11 and develop skill in a variety of mediums. *Drawings* – pencil, charcoal, conte crayon, pen and ink, coloured pencil. *Paintings* – water colour, water crayon, chalk pastel and acrylics. Sketchbook assignments are required each term.

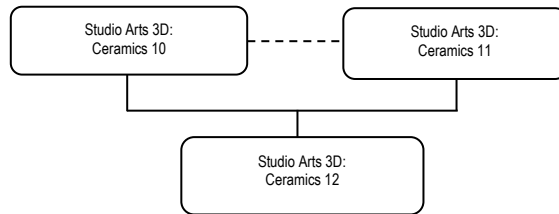
STUDIO ARTS 2D: Drawing & Painting 12 (MVAD-12)

Prerequisite: Art Studio 11 or Studio Arts 2D: Drawing & Painting 11 or Ceramics 11 or Photography 11

This course is the advanced level of drawing and painting. It is designed to meet the needs of experienced students who wish to continue their education in art through drawing and painting. Sketchbook assignments are required each term. Those students wishing to continue in the visual arts at post-secondary will be able to build a usable portfolio for entrance application during the course.

ARTS EDUCATION DEPARTMENT

CERAMICS



STUDIO ARTS 3D: CERAMICS 10 (MVAC-10)

Prerequisite: in Grade 9

Ceramics 10 is an introduction to the medium of clay. Typically, Ceramics 10 is taken by Grade 9 students. This is an entry level Ceramics course where you will learn the foundational skills for working with clay. You will learn how to make pinch pots, join pieces together, “draw” into the clay, and use coils and slabs for construction. Through these techniques you will make a variety of projects. You will learn about the kilns and how they function, and the difference between a bisque fire and a glaze fire. You will learn about glazes, and how to apply glaze and underglaze. As you develop your skill set, you will have the opportunity to create independent projects of your choosing. One of the wonderful aspects of Ceramics is that it is both creative and functional: you can make decorative/ sculptural pieces, and you can make bowls and mugs that you can use! Ceramics is a course that allows you to experiment and get creative with clay, and you do not need a prerequisite for this course. It is available to all students. The only thing you need to know is that you will have fun, get a little dirty, and try something new. If you have any questions, please come see Mrs. Johnson in room 108.

STUDIO ARTS 3D: CERAMICS 11 (MVAC-11)

Prerequisite: in Grade 10, 11, or 12

Ceramics 11 is available as BOTH an introductory course, and as a follow-up to Ceramics 10. Typically, if you are in grade 10, 11, or 12, and have no experience with clay, this is the course for you! And if you have taken Ceramics 10, this is ALSO the course for you. Please read the Ceramics 10 course description for an overview of the introductory course. In Ceramics 11 you build on the skills learned in Ceramics 10. We create an array of projects to develop and further enhance your skills. You will have an opportunity to choose projects from an assigned list. As well, you will have an opportunity to create projects of your choosing- the only limitation is your imagination! In Ceramics 11, you will have an opportunity to create both functional and creative pieces. Some examples of projects you can choose from are: a creative birdhouse, a thematic game board, a bowl on the wheel, a landscape tray, a butter dish, and many more. You will learn new techniques like graffito, and staining. There is no prerequisite for Ceramics 11, although Ceramics 10 is recommended. Come prepared to learn new skills, be creative, get a little dirty, and have some fun. If you have any questions, please come see Mrs. Johnson in room 108.

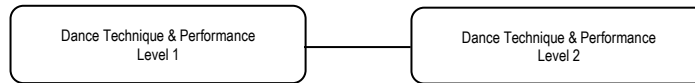
STUDIO ARTS 3D: CERAMICS 12 (MVAC-12)

Prerequisite: Ceramics 11 or in Grade 12.

Ceramics 12 is for you if you have taken Ceramics 11, or if you are in grade 12 and have never taken Ceramics 11. In Ceramics 12 we build on the skills learned in Ceramics 11. You will create an array of projects to develop and further enhance your skills. You will have an opportunity to choose projects from an assigned list. As well, you will have an opportunity to create projects of your choosing- the only limitation is your imagination! In Ceramics 12, you will have an opportunity to create both functional and creative pieces. Some examples of projects you can choose from are a teapot, a bowl on the wheel, a shoe, wind chimes, dish sets, a zombie sculpture, and many more. You will learn to apply techniques in new ways. Come prepared to learn new skills, be creative, get a little dirty, and have some fun. If you have any questions, please come see Mrs. Johnson in room 108.

ARTS EDUCATION DEPARTMENT

DANCE



DANCE TECHNIQUE & PERFORMANCE LEVEL 1 (MDNTP10)

Prerequisite: in Grade 9, 10, 11, or 12

This is an introduction to Dance and no prior experience is required! Students will be introduced to a variety of different styles of dance and will focus on basic dance techniques and movements. Students will explore the different elements of dance and learn how to communicate emotion, meaning and intent through movement. The course will consist of daily warm-ups, across the floor work, teacher lead choreography and team building exercises all in a safe and trusting environment. Furthermore, students will reflect and respond to different aspects of dance and develop an appreciation of the histories, diversities and influences of dance in society. Students can expect to work individually, in small groups and as a large class in preparation for a year-end recital.

DANCE TECHNIQUE & PERFORMANCE LEVEL 2 (MDNTP11)

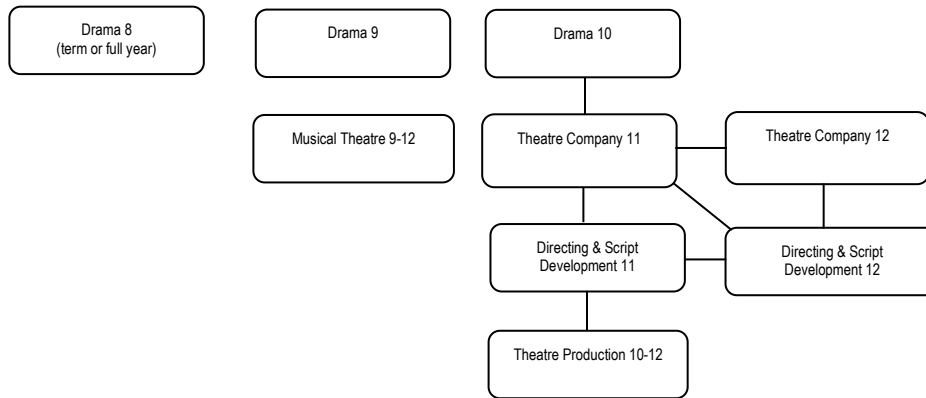
Prerequisite: Dance Technique & Performance Level 1 or permission of instructor

This course is an extension of Dance Technique & Performance Level 1 and is intended for those seeking to further their abilities in dance. Students will continue to look at a variety of dance styles and genres and will be challenged with more complex choreography and movement. Students will build upon the skills and techniques learned in Level 1 and further develop their abilities to communicate through dance. The structure of the course is similar to Level 1 and will consist of a daily warm-up, across the floor work, teacher led choreography and team building exercises. Furthermore, students will begin to explore choreography and have the opportunity to create, reflect on and refine their own original work. Students will also take the time to explore the history of certain dances and genres and reflect and respond to how dance affects culture and society. Students can expect to work individually, in small groups and as a large class in preparation for a year end recital.

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ARTS EDUCATION DEPARTMENT

DRAMA



The Theatre Program at Walnut Grove is founded on four basic principles: cooperation, concentration, trust and self-control. It is through the development and refinement of these skills that strong acting practices are developed.

Drama provides students with opportunities to examine the thoughts, feelings, beliefs and actions of themselves and the world around them. Drama reflects and affects the aesthetic, cultural, historical, and global context in which it exists. It is also applicable to a variety of career and life situations.

DRAMA 9 (MDR--09)

Prerequisite: none

Basic acting skills will be introduced through rehearsals and presentation. The four elements of drama; cooperation, concentration, trust, and self-control, are important fundamentals of this course. Through areas such as tableaux, mime, improvisation, voice, and scene work, we will continue to refine our core skills of acting. Evaluation will be based on involvement and participation. This course is highly participatory.

DRAMA 10 (MDRM-10)

Prerequisite: in Grade 10

Students will continue to develop skills in each of the four elements of drama through work in areas including movement, mime, improvisation, voice, and scene work/play building. Ensemble performance and scene work will be introduced. Evaluation will be based on involvement and participation. This course is highly participatory.

THEATRE COMPANY 11 (MDRTC11)

Prerequisite: in Grade 11 or 12 and Drama 10 recommended

This course requires students to have a strong understanding of the four elements of drama as this course explores the idea of ensemble and performance. This course focuses on acting skills and will culminate in a variety of in-class/public stage productions. Students will learn to use their bodies and voices expressively to develop character. Through their work in theatre performance, students have opportunity to explore and develop expression, trust, and self-confidence. Work will include monologues, scenes, and plays. Students will also analyze and examine their own work and that of their peers. This course is highly participatory.

THEATRE COMPANY 12 (MDRTC12)

Prerequisite: Theatre Company 11

This course provides intensive study in the techniques outlined in Theatre Company 11. In addition, acting styles relating to various periods in the history of theatre and styles appropriate to acting will be studied. Performance opportunities both in class and in extra-curricular areas may be available to these students. This course is highly participatory.

DIRECTING & SCRIPT DEVELOPMENT 11 (MDRDS11)

Prerequisite: Theatre Company 10 or permission of instructor

This course is designed as an introductory course to directing scene work and scriptwriting for the stage. Term 1 will focus on aspects of scriptwriting; Term 2 will focus on directing (students in short scenes) and preparation of a director's book, and writing of an original script 10 – 15 minutes in length; Term 3 will consist of preparing the original script for production to a live audience. On completion of this course, students should effectively lead small groups, produce a series of writing assignments geared to stage production, and have written and produced an original script.

DIRECTING & SCRIPT DEVELOPMENT 12 (MDRDS12)

Prerequisite: Directing & Script Development 11 or permission of instructor

This course is designed for the drama student interested in directing other students in scenes, as well as writing his/her own plays. On completion of this course, students should be able to lead a small group effectively, accept leadership of other students, direct a short scene with some competence, write a moderate length one-act play, know and use basic theatre, directional and script terminology, and for a final project, each student shall write and direct a one act play for public performance.

THEATRE PRODUCTION 10-12 (MDRD-10)/(MDRTP11)/(MDRTP12)

Prerequisite: in Grade 10, 11, or 12 and runs concurrently with Musical Theatre Company

Students in this course will be working alongside the Musical Theatre Company on our annual musical production. Students will have the opportunity to work in the areas of set construction, lighting, sound, props, and costuming. Specific projects and roles will be determined as the course progresses. In Term 1 students will work alongside the Musical Theatre Company students learning the show and in Term 2 work will begin creating all the technical elements of the show.

MUSICAL THEATRE 9-12 (XTP--09)/(MMUTH10)/(MMUTH11)/(MMUTH12)

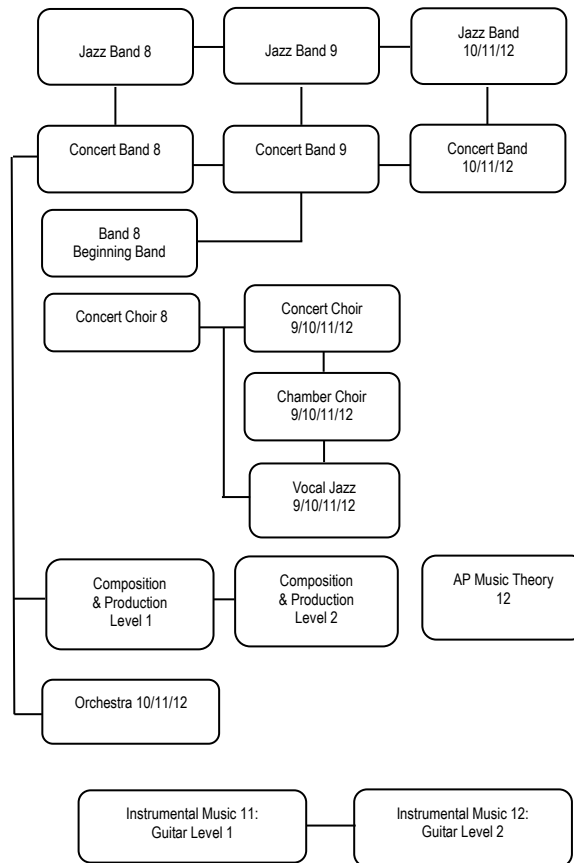
Prerequisite: none. Students will be expected to participate in an entrance audition in the spring. More information will be provided closer to that time via the information screen outside room 110. This course may be offered outside the timetable.

The purpose of this course is to encourage students' appreciation, understanding, and performance of Musical Theatre, through the production of a yearly musical. This course culminates in public performances in the spring. Students will learn the skills, organization, demand, outcomes and rewards of being in a musical theatre production company. This course is open to any student in Grade 9-12 who is willing to commit to the school production and all its rehearsals in and out of school time. A calendar will be provided to the students in the first weeks of classes. Students who enroll will receive credit for the appropriate performance or production course at the appropriate grade level.

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ARTS EDUCATION DEPARTMENT

MUSIC



BAND 9: CONCERT BAND 9 (XBA--09)

Prerequisite: previous grade level of Band or permission of instructor

This course is intended for those students in Grade 9 who demonstrate intermediate musical skills and/or have successfully completed Band 8. Music costs may include concerts, festivals, and trips. Students will be expected to pay a uniform cleaning fee to the Music Parents' Association (Cost TBA).

INSTRUMENTAL MUSIC: CONCERT BAND 10/11/12 (MMUCB10)/(MIMCB11)/(MIMCB12)

Prerequisite: previous grade level of Band or permission of instructor

Band 10/11/12 is a continuation of previous band courses. Building on previous experience, this course expands and challenges the players' skill set and increases the student's ability, understanding, and appreciation of music through performance and study. Music costs may include concerts, festivals, and trips. Students will be expected to pay a uniform cleaning fee to the Music Parents' Association (Cost TBA).

INSTRUMENTAL MUSIC: ORCHESTRA 10/11/12 (MMUOR10)/(MMUOR11)/MMUOR12)

Prerequisite: in Grade 9, 10, 11, or 12, and two years music experience

Here's a chance for string players (violin, viola, cello, bass) to experience playing in a string orchestra. If you have had 2+ years experience, are a comfortable music reader, and are familiar with playing through 3rd position, Orchestra will give you a chance to expand and develop your personal musicianship in an ensemble setting. Students are responsible for providing their own instrument.

INSTRUMENTAL MUSIC: JAZZ BAND 9/10/11/12 (XBA—09J)/(MMUJB-10)/(MIMJB11)/(MIMJB12)

Prerequisite: Band 8/9/10/11

Co-requisite: Band 9/10/11/12 or permission of instructor

Jazz Band 10/11/12 are extended day courses, expanding on earlier jazz offerings. They are available to those interested in developing advanced musical technique in ensemble and solo playing, as well as understanding of the development of jazz. Music costs may include concerts, festivals and trips. Students will be expected to pay a uniform cleaning fee to the Music Parents' Association (Cost TBA). This course will be offered outside the timetable.

CHORAL MUSIC: CONCERT CHOIR 9/10/11/12 (XC--09)/(MMUCC10)/(MCMCC11)/(MCMCC12)

The students in this course will be members of the Walnut Grove Concert Choir. Traditional Choral Music in many styles will be studied and performed. Emphasis will be placed on developing the healthy singing voice, music literacy and ear training. The Concert Choir will participate in regular Music Department concerts, community concerts, festivals, competitions, and concert tours. This course will be offered outside the timetable. Enrollment in the Concert Choir is a co-requisite for membership in Jazz Choir. Music costs may include concerts, festivals and trips.

*Chamber Choir will be formed from the members of the Concert Choir through an audition process.

CHORAL MUSIC: CHAMBER CHOIR 9/10/11/12 (MMU--09)/(MMUCH10)/(MMUCH11)/(MMUCH12)

Corequisite: Choral experience. Audition ONLY.

Content: Chamber Choir is a small (maximum 40 voices) ensemble that performs mostly unaccompanied choral works across the entire spectrum of music history. Emphasis is placed on "healthy" singing, language, style and ensemble singing. Students will develop sight reading skills and an appreciation of the aspects of good choral technique. Music costs may include concerts, festivals and trips. Students will be expected to pay a uniform cleaning fee to the Music Parents' Association (Cost TBA). This course will be offered outside the timetable.

CHORAL MUSIC: VOCAL JAZZ 9/10/11/12 (XC---09J)/(MMUVJ10)/(MCMJV11)/(MCMJV12)

Corequisite: Concert Choir 9/10/11/12 and audition.

This course is an introduction to vocal jazz and its various forms: music theory directly related to vocal jazz, and jazz literature. Students will have opportunities to perform publicly both as soloists and as members of the choir. Music costs may include concerts, festivals, and trips. This course will be offered outside the timetable.

COMPOSITION & PRODUCTION LEVEL 1 (MMUCP11)

Prerequisite: in Grade 9, 10, 11, or 12 or permission of instructor and the ability to read music.

Topics discussed will include music theory, music appreciation, harmony, ear training and listening, composition, and arranging. Composition & Production Level 1 is recommended for students who desire a more complete understanding of the language of music and/or who are oriented towards post-secondary music studies.

COMPOSITION & PRODUCTION LEVEL 2 (MMUCP12)

Prerequisite: Composition & Production Level 1, or Rudiments 1, 2, and 3

This course is a continuation and completion of Composition & Production Level 1. The course is divided into the following areas: rudiments of music (a theoretical approach); basic harmony; aural training (listening); arranging.

AP MUSIC THEORY 12 (AMU---12)

Prerequisite: permission of instructor

The ultimate goal of AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of these goals may best be approached by initially addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. Building on this foundation, the course should progress to include more creative tasks, such as the harmonization of a melody by selecting appropriate chords, composing a musical bass line to provide two-voice counterpoint, or the realization of figured-bass notation. Students will have the option to write the AP exam in May (approximate fee \$135); depending on the exam score, they may have the option to receive credit for first-year university course. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

INSTRUMENTAL MUSIC: GUITAR LEVEL 1 (MMUGT10)

Prerequisite: in Grade 10, 11, or 12

Guitar Level 1 is for beginning and less experienced students interested in learning to play the guitar. The emphasis of this course will be learning proper playing technique and the basics of music theory, through the study and performance of a variety of styles of music. There will be regular in-class performances and the opportunity for recording. Guitars will be available for classroom use, although students may bring their own acoustic or classical guitar.

Expectations:

1. To develop correct posture and hand position.
2. To identify the parts of the guitar and string designation.
3. To demonstrate proper care and maintenance of the guitar.
4. To develop an awareness of correct tuning of the open strings.
5. To learn basic fundamentals of rhythm and reading Tablature.
6. To learn proper strumming, finger style, and flat picking techniques.
7. To learn basic open chords, scales, and bass lines in first position.
8. To develop proper placement of movable "E" and "A" type bar chords.

INSTRUMENTAL MUSIC: GUITAR LEVEL 2 (MIMG11)

Prerequisite: Guitar Level 1 or permission of instructor and in Grade 10, 11, or 12

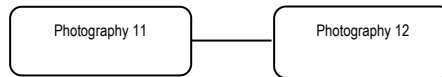
Guitar Level 2 is for experienced guitarists interested in continuing their study of the instrument. This course will expand students' playing technique and understanding of music theory through the study and performance of a variety of styles of music. There will be regular in-class performances and the opportunity for recording. Guitars will be available for classroom use, although students may bring their own acoustic or classical guitar.

Expectations:

1. To learn extended open chords, scales, and bass lines in multiple positions.
2. To demonstrate advanced skills of rhythm and reading Tablature.
3. To demonstrate a facility of correct standard tuning as well as other exploring other open tunings.
4. To develop an awareness of position playing, movable scales, and transposition.
5. To demonstrate improvisation using melodic phrases, variations, and chord progressions.
6. To perform in a live setting such as The Fraser Valley Acoustic Guitar Festival.
7. To become aware of career opportunities.

ARTS EDUCATION DEPARTMENT

PHOTOGRAPHY



PHOTOGRAPHY 11 (MVAPH11)

Prerequisite: in Grade 10, 11 or 12

This is an introduction to photography course. This photography course is designed to provide students with a basic understanding of 35mm B&W camera function, black and white film processing, as well as, darkroom printing techniques and procedures. Students are provided with a basic introduction to digital (DSLR) camera functions, operations and related technologies (e.g. SD card-readers, Photoshop, scanning, image quality, etc.). Approximately 75% of the course will be B&W film, while 25% will be digital (DSLR). Students are introduced to image development concepts such as viewpoint, lighting, texture, pattern, shape & form. Students will also begin to develop their own approach and style in photography. This course recognizes and stresses the importance of both practical and conceptual skills. Photo students can expect a year of new photographic experiences—using both B&W film and basic digital-imaging. Note: students are NOT required to own a camera; instead, a 35mm FILM and/or Digital SLR camera will be supplied to students for use during class.

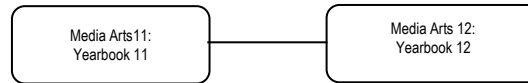
PHOTOGRAPHY 12 (MVAPH12)

Prerequisite: Photography 11

This is a second-level course, designed to build on Photography 11. This photography course is designed to provide students with an opportunity to improve their technical skills both in B&W and digital (DSLR) image-making. Students will build on the skills and concepts taught in Photography 11 only with a focus on creative, experimental and conceptual projects. Students will review, reflect and build on the intricacies of camera lighting, controls, lens settings, composition and timing. Students will experiment and learn to 'break the rules' they learned in Photography 11. Photography 12 students can expect 75%+ of the course to focus on digital (DSLR) assignments and 25% on B&W SLR film projects. Photography 12 students are provided with the tools to continue producing beautiful and meaningful photographs for the rest of their lives. If students have their own DSLR cameras—this class will provide them with the opportunity to learn about their specific camera-operations. Students will be given more creative freedom and have the opportunity to sign-out cameras—both DSLR and film (a liability waiver will be included in the course package) overnight/weekends so that they can explore their worlds outside WGSS grounds. Note: students are NOT required to own a camera; instead, a 35mm FILM and/or Digital SLR camera will be supplied to students for use during class.

ARTS EDUCATION DEPARTMENT

YEARBOOK



YEARBOOK 11 (MVAMT11)

Prerequisite: in Grade 11 or 12 or permission of instructor

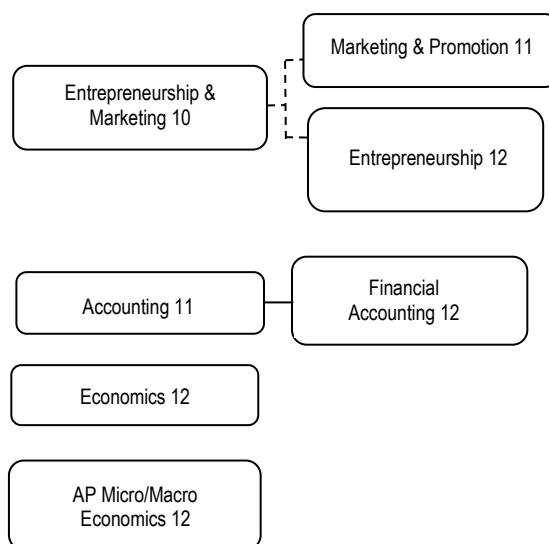
Design your 2021/22 Yearbook! This course emphasizes the development of the knowledge and skills required for the production of media art works—the WGSS Yearbook. Yearbook students will design the 2021/22 Yearbook cover, take ALL photos shown on 200+ pages within the yearbook, design page-layouts write-all content found within the pages, as well as, edit, advertise, organize and ensure all editorial Yearbook content is correct and editorially accurate. Students will develop an appreciation of the history of media arts by exploring a variety of printed media and techniques. Students will create media art works (e.g. the yearbook) by utilizing a variety of technologies—digital camera, computer programs and photo-imaging software. This course will address the multifaceted needs of the beginning journalism student by introducing them to all phases of yearbook production. Students in this course will learn various skills related to journalism, copyright, layout and design, marketing, sales and advertising, photography, and graphic design. Students will also learn Adobe Photoshop and Josten's Yearbook Design, and the art of digital photography and photo enhancement. Classroom activities are closely related to the real world of interviewing, reporting, meeting deadlines and producing a widely viewed publication. Prospective Yearbook 11 students should work well independently, be internally-motivated, be prepared for various extra-curricular commitments (e.g. covering events outside of class-time), be extremely organized/timeline sensitive, be a creative self-starter, work exceptionally well in a team-based atmosphere and want to help produce the best WGSS Yearbook!

YEARBOOK 12 (MVAMT12)

Prerequisite: Yearbook 11

Design your 2021/22 Yearbook! This is second-level course builds on your knowledge from Yearbook 11. This course emphasizes the development of the knowledge and skills required for the production of media art works—the WGSS yearbook. Yearbook students will design the 2021/22 Yearbook cover, take ALL photos shown on 200+ pages within the yearbook, design page-layouts, write-all content found within the pages, as well as, edit, advertise, organize and ensure all editorial Yearbook content is correct and editorially accurate. If students are continuing from Yearbook 11, they will be expected to take on a 'leadership/mentorship' role, in order to, help new students acclimatize the fast-paced and exciting world of yearbook! Students will develop an appreciation of the history of media arts by exploring a variety of printed media and techniques. Students will create media art works (e.g. the yearbook) by utilizing a variety of technologies—digital camera, computer programs and photo-imaging software. Students in this course will learn various skills related to journalism, layout and design, marketing, sales and advertising, photography, and graphic design. Students will also learn Adobe Photoshop and Josten's Yearbook Design, and the art of digital photography and photo enhancement. Classroom activities are closely related to the real world of interviewing, reporting, meeting deadlines and producing a widely viewed publication. Prospective Yearbook 12 students should work effectively independently, be internally-motivated, and be prepared for some extra-curricular commitments (e.g. covering events outside of class-time), be extremely organized/timeline sensitive, be a creative self-starter, work exceptionally well in a team-based atmosphere and want to help produce the best WGSS Yearbook!

BUSINESS EDUCATION DEPARTMENT



ENTREPRENEURSHIP & MARKETING 10 (MADEM10)

Prerequisite: in Grade 10

Learn what it takes to “be your own boss” in this introductory business course, where you get to sample different areas of business, from marketing, on-line marketing, customer service, product design, human resources, ethics, and logistics. This course will explore introduction to entrepreneurship in many forms, wrapping up with a business project where students will design and test-run a business concept. Learn real life, research, critical thinking and problem-solving skills. Students will be taught practical business skills useful for the entry to the world of employment. Among these skills are teamwork, interview process, dealing with customers, budgeting, sales, presenting work. Students will learn using educational apps and latest media technology programs and on-line resources to produce business assignments. They will have the opportunity to have varied and interesting learning experiences via discussions, debates, role playing, field trips, guest speakers, and relevant company documentaries. Examples of assignments include students planning and opening their own businesses, producing and branding a product or service, dealing with money and skills needed to get a job. (You will receive a certificate in Customer Service on completion of the Customer Service unit).

MARKETING & PROMOTION 11 (MMAP-11)

Prerequisite: in Grade 11 or 12

This project-based course is designed for students who wish to explore the exciting world of marketing. Students will learn the basic concepts of Marketing, why and how businesses conduct market research. They will be introduced to the Marketing Mix (**Product, Price, Promotion and Place**) and will learn to identify target audiences, the importance of branding, product packaging, pricing strategies, sales promotion and advertising and product placement. They will have the opportunity to design and brand their own products, advertise and merchandise their work using real products. Students will have access to the software design and computer programs as well as apps for Apple and other products. Students will be able to market themselves well to be successful in the competitive world! This course is of interest to students considering a career in marketing, promotion, communications, business organization, customer services, sales, consumer behaviour and other business areas.

ENTREPRENEURSHIP 12 (MENT-12)

Prerequisite: in Grade 11 or 12

This course is eligible for university credit and is designed for students who are interested in pursuing the latest business courses such as marketing, public relations, human resources, research, business technology, innovation, investments, project management and more at post-secondary level and who would like to work for a business or even open their own business. WGSS Business Department works with YELL Canada to provide Entrepreneurship 12 students with practical tools and experiences, knowledge and network they need to succeed in the real world. Other units covered are social innovation, customer services, digital marketing, digital retailing, social media, communications, product development, economics, finance, business communications and consumer behaviour. This project and inquiry-based course focuses on the exciting world of global entrepreneurship. Key marketing concepts and strategies learned in Marketing and Promotion 11 will expand into this course. Students will **STUDY** alongside like-minded youth, **BUILD** a problem-solving business venture, **LEARN** from community leaders and mentors, **WORK** towards a common goal as a team, **SHARPEN** communication and presentation skills and **NETWORK** with people outside of your classroom.

ACCOUNTING 11 (MAC--11)

Prerequisite: in Grade 9 - 12

Learn about why accounting is the “language of business” and the importance of timely, accurate, and reliable financial information. Students will learn about basic bookkeeping skills, as well as develop proficiencies in the Microsoft Office Suite and QuickBooks, which are industry standard software. This course is recommended for students interested in gaining skills in basic accounting practices with the view to pursuing a career in business.

FINANCIAL ACCOUNTING 12 (MFA--12)

Prerequisite: Accounting 11 or permission of instructor

This course is intended for students who wish to pursue post-secondary studies in accounting, finance, business management, or commerce at Kwantlen, Beedie or Sauder Schools of Business, or abroad. Advanced concepts of financial accounting will enable students to develop powerful analytical, decision-making, and communication skills they will use extensively in their post-secondary programs and subsequent business careers.

ECONOMICS 12 (MEC--12)

Prerequisite: in Grade 11 or 12

This course provides students with the opportunity to analyze the effects of economic activity on their society, the nation and the global community. It will give them a deeper understanding of the principles behind government and social policies and exchange of goods and services within market and non-market oriented sectors. Topics include economic theories, the role economics plays in personal, professional and business decisions, the study of current economic developments, the role of markets, capital formation, trade and currency exchange rates, trends and issues which enable students to improve their educational career choices. Students will be able to take advantage of global career opportunities when they understand how the global marketplace functions. This course is theory and project based with emphasis on the application of researching evaluation, problem solving and technical skills to produce work of a high business standard. Please note that some universities (e.g. SFU) accept Economics 12 as an academic course and count it in your GPA. Check university admissions to confirm.

AP ECONOMICS 12 – Micro/Macro (AMI--12)

Prerequisite: in Grade 12 and possess basic mathematics and graphing skills or Grade 11 with permission of instructor

As part of the Advanced Placement program, this course prepares students for the AP Microeconomics and AP Macroeconomics exams. Students will have the option to write the AP exams in May (approximate fee \$135 per exam), depending on the exam score, they may have the option to receive credit for a first-year university course. **Students will take both courses in one block.**

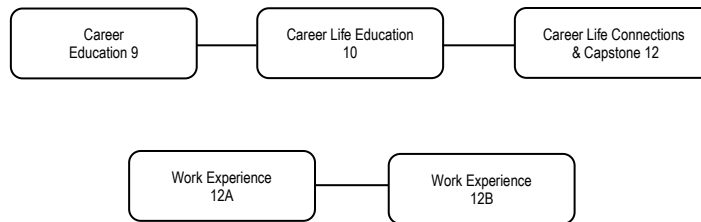
AP Microeconomics

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of the government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts and data to analyze, describe and explain economic concepts. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

AP Macroeconomics

AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts and data to analyze, describe and explain economic concepts. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

CAREER EDUCATION DEPARTMENT



CAREER EDUCATION 9 (MCE--09)

Career Education 9 builds on the knowledge from the Career 8 curriculum and will create a foundation for the Career Life Education course in Grade 10. Students will further explore knowledge, skills and attributes which are needed as transition skills. Students will further refine studies into personal identity, motivations and goal setting. They will also begin exploring career options in more depth. Throughout their Grade 9 year, students will be working through a Capstone project; a project that allows students to showcase their interests, growth and development.

Big Ideas

- 1) Reflecting on our preferences and skills helps us identify the steps we need to take to achieve our career goals.
- 2) The value of work in our lives, communities, and society can be viewed from diverse perspectives.
- 3) Achieving our learning goals requires effort and perseverance.
- 4) Adapting to economic and labour market changes requires flexibility.
- 5) Our career paths reflect the personal, community, and educational choices we make.

CAREER LIFE EDUCATION 10 (MCLE-10)

Career Life Education (CLE) is a required course for graduation that recognizes three major phases of career development—Foundation and Awareness, Exploration, and Experience and Application. As students move through Grade 10, they will refine their understanding of the links between personal development and their career decisions. They will consider regional and global trends to reflect on occupational possibilities, refine their understanding of safety requirements associated with occupational areas and related technologies, and further develop and refine their understanding of career possibilities through planning, practice, and application of competencies and knowledge. Through the LE course students will also learn about their Capstone Project, which they will complete in Grade 12 and is required for graduation.

Big Ideas

- 1) Finding a balance between work and personal life is essential to good physical and mental health.
- 2) A network of family, friends, and community members can support and broaden our career awareness and options.
- 3) Learning how to learn prepares us to be lifelong learners who can adapt to changing career opportunities.
- 4) Effective career planning considers both internal and external factors.
- 5) The global economy affects our personal, social, and economic lives and prospects.
- 6) Successful career and education paths require planning, evaluating, and adapting.

CAREER LIFE CONNECTIONS & CAPSTONE 12 (MCLC12)

To be taken in Grade 12

This course is required for graduation. Students will be required to complete the two components of the course: curricular work and a final Capstone project. This is a culminating project which students will demonstrate their learning and growth in an area of interest or passion. At the conclusion of the course, students will present their Capstone project in a final presentation.

Students enrolled in the AP Capstone Research Course will receive Career Life Connections/Capstone 12 credits via completion of the Research course.

Click [here](#) for Capstone form.

WORK AND VOLUNTEER EXPERIENCE (WAVE)

WAVE 12A/B (MWEX-2A)/(MWEX-2B)

Prerequisite: in Grade 11 or 12

WAVE 12A and 12B is intended to provide students in Grade 11 or 12 with the knowledge and skills to be successful in the world of work and the opportunity to explore career options and pathways. This program is designed to link classroom knowledge and activities to knowledge, skills and attitudes that are required in the workplace. WAVE 12 generates four credits based on every 100 hours of work experience. Students must have completed Career Life Education and 20 hours of curriculum in WAVE 12A in order to be considered for Work Experience. Students can apply by completing the "Career WAVE" Application Form available from our Career Advisor, Ms. McGee.

WAVE can be paid or unpaid and students must complete all the necessary forms and legal documents before they can begin counting hours.

WAVE allows Grade 11 and 12 students in the Langley School District to earn graduation credits for paid and unpaid work with and explore careers with a local employer or organization. Students will complete assignments to prepare them for an interview and to work safety. They will then attend an employer's workplace for an 80 to 90-hour placement as an entry-level employee and/or job shadow.

Grade 11 and 12 students can:

- Earn graduation credits for paid or volunteer work
- Explore a new occupation/industry or improve skills with your current employer or organization
- Get experience in almost any industry: arts, business, trades, IT, health care & more
- Work outside of school hours at a real workplace (weekends, summer, etc.)
- Find your own employer or connect with the assistance of a teacher

ITA YOUTH WORK IN TRADES

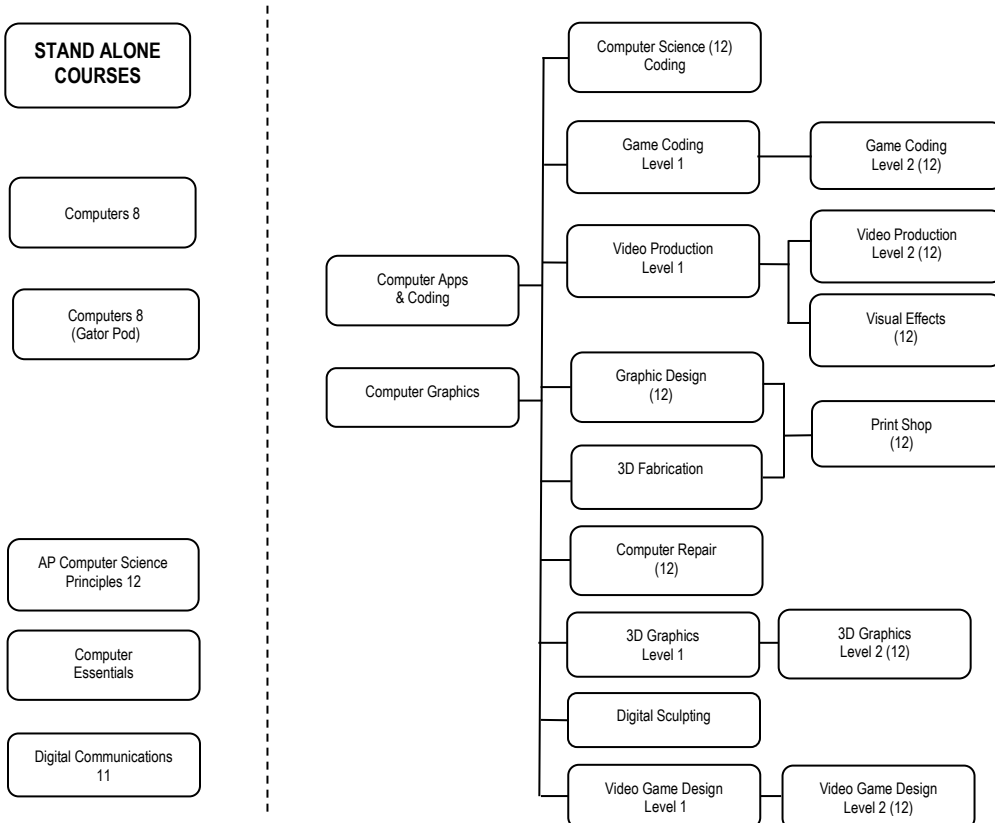
See page 17 for details.

ITA YOUTH TRAIN IN TRADES

See page 18 for details.

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COMPUTER STUDIES DEPARTMENT



Entry to computer courses is determined by prerequisites, not your grade level. Students who want to take a course without the required prerequisite must have the permission of the department. For more information on *stand-alone* courses, see individual course description. **** All Computer Department courses use special Ministry of Education course codes, therefore the names of above codes may not match what you see on your transcripts****

COMPUTER APPS & CODING (MCSTU10)

With an emphasis on coding, Computer Apps & Coding explores a wide variety of topics. You will learn to code in Python, design a webpage with HTML/CSS, create a light show using Arduino, design a video game level using Unreal, and program a game in the Unity Game Engine. You will also learn image editing with Photoshop, video editing in Premiere, and vector design with Illustrator. Students must complete this course (or Graphics) to advance to senior computer classes.

COMPUTER GRAPHICS (MMEDD10)

Using the tools of professional designers, students will create and edit 2-D and 3-D graphics. Students will focus on three main areas: video production, 3D modeling/printing/sculpting and graphic design. Students must complete this course (or Computer Apps) to advance to senior computer classes.

DIGITAL COMMUNICATIONS 11 (MDCOM11)

Prerequisite: in Grade 10, 11, or 12

Digital Communications 11 will focus on issues, impacts and opportunities related to digital communication. Through discussion, individual/group projects, in class activities, writing assignments and other inquiry strategies, students will explore ideas and controversy around social media, journalism and digital marketing. Students will also investigate the ethics, legalities and sociological impacts of digital communication. Overall, students will learn about modern use of technology including digital citizenship, etiquette and literacy. While this course is linked with the computers department, it differs from most computers courses in that students will not need to be accessing computers full time. There is no required software to be a part of this course, instead, students will be using the technology accessible to them or in the classroom. Additionally, there are no prerequisites or prior computer knowledge necessary to take this course.

3D GRAPHICS LEVEL 1 (MGRPR11)

Prerequisite: Computer Apps or Computer Graphics or permission of instructor.

Students are introduced to the key aspects of 3D Graphics using computers and industry standard software. Students will focus on three main areas in the CG field – 3D modeling and printing, high-resolution Digital Sculpting and Video Game Design.

3D GRAPHICS LEVEL 2 (12) (MGRPR12)

Prerequisite: 3D Graphics Level 1

3D Graphics L2 builds on the knowledge learned in 3D Graphics L1. Topics include advanced modeling, rigging, texturing, 3D sculpting and animation. The second half of this course is treated as an independent study that lets students choose areas of interest to focus their studies on. Students can also get access to the first 4 months of the Think Tank Online curriculum (a \$4000 value).

3D FABRICATION (MCINF11)

Prerequisite: Computer Graphics (preferred) or Computer Apps with permission of instructor

This course allows students to design a variety of objects on computers and then using the latest fabrication tools (3D printers, CNC machines, vinyl cutters, laser engravers & large format printing) they can actually create that object. Objects can be made out of a variety of materials including wood, plastic and metal. Special focus on designing and “finishing” props with various forms of distressing and weathering using techniques developed in the TV/film industry.

AP COMPUTER SCIENCE PRINCIPLES 12 (ACSP-12)

Prerequisite: Grade 11 and 12 students, Grade 10 students with strong math skills and permission of instructor

Students will explore the challenges that arise from the need to represent numbers, images, and text as digital information that computers can utilize. They will also explore how internet protocols and cryptography allow transfer of the information across the internet. Students will also learn about “big data” and the ethical implications. Fundamental programming constructs will be taught using JavaScript to develop event driven apps. Students will demonstrate their learning through AP Performance Tasks and have the option to write the AP exam in May (approximate fee \$135); depending on the exam score, they may have the option to receive credit for a first year university course. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

COMPUTER ESSENTIALS (MDCOM11CE)

Prerequisite: Grade 11 and 12 students

Computers skills are a requirement for almost any job. This course provides students with those essential skills. Students will become proficient in Microsoft Word, Excel, and PowerPoint and will be eligible to take the Microsoft Office Certification Exam. In addition, students will learn the fundamentals of the Internet including how to create a website, online forms and surveys. Students will also learn to manipulate and create images in Photoshop and create presentation documents using InDesign.

COMPUTER REPAIR (12) (MCINF12)

Prerequisite: Computer Apps or Computer Graphics or permission of instructor

Computer Repair 12 provides technical training on hardware and operating systems. Students will combine theory and hands-on experience in constructing, troubleshooting and repairing computers. Other areas of focus: small networks, emerging technologies and high-tech living. Upon successful completion of the course students should have sufficient knowledge to apply for the A+ Certification Test for computer technicians.

DIGITAL SCULPTING (MVAGA11)

Prerequisite: Computer Apps or Computer Graphics or permission of instructor

Digital Sculpting is a senior level course that will enable students to create high-resolution models similar to those in movies and video games. Study will focus on using 3D skills along with art skills and a Wacom tablet to “digitally sculpt” a mesh into a photorealistic model. We focus on several different types of digital sculpting ranging from character busts to full character sculpts & wearable jewelry. Students will have several opportunities to use our 3D printers to print their own creations.

GRAPHIC DESIGN (12) (MDMD-12)

Prerequisite: Computer Apps or Computer Graphics or permission of instructor

Graphic Design is a course that allows student creativity to flourish. Using industry standard software, students will learn principals of modern digital design as it relates to logo creation, t-shirt design, websites, brochures, advertising, icon development, app user interfaces, photo editing, product packaging and more. In addition, students will get the opportunity to use the school’s laser engraver, vinyl cutter, and large format printer to design and produce some amazing creations.

GAME CODING LEVEL 1 (MCMPR11)

Prerequisite: Computer Apps or Computer Graphics or permission of instructor

Learn how to build games using the popular game engine, Unity. Students are introduced to the fundamentals with a simple 2D game and then progress through the history of video games by re-creating Pong, BreakOut and Space Invaders.

GAME CODING LEVEL 2 (12) (MCMPR12)

Prerequisite: Game Coding Level 1 (or permission of instructor)

Building on the skills introduced in Level 1, students create more elaborate games, increasing their understanding of Unity and programming. After completing Tetris, students have the freedom to expand their skills and be creative by designing their own, original games.

PRINT SHOP (12) (XAT--12---PS)

Prerequisite: Grade 11 or 12. Graphic Design or 3D Fabrication, or permission of instructor

Print Shop is a hands-on course that teaches students how to operate a working Print Shop based out of the school. In addition to communicating with actual clients, students will learn basic through advanced skills in the design and creation of large-scale prints, vinyl applications, stickers, banners, canvas prints and more. Some of this course may require time outside of the standard timetable.

COMPUTER SCIENCE (12) – CODING (MMACS12)

Prerequisite: Computer Apps or interest in pursuing computer science

Want to learn how to code? Programming provides you with a solid foundation to build your skills. Using the Python programming language, students start from the basics and learn how to build simple games and programs. This course will give you a Mathematics 12 credit. This course is an academically approved Grade 12 for many, but not all, post-secondary institutions.

VIDEO GAME DESIGN LEVEL 1 (MMEDD11)

Prerequisite: Computer Apps or Computer Graphics or permission of instructor.

Video Game Design builds on the knowledge learned in 3D Graphics Level 1 and allows students to delve further into a new, very specific area of the animation field. Using the Unreal Editor, students will learn how to design and create their own playable maps.

VIDEO GAME DESIGN LEVEL 2 (12) (MMEDD12)

Prerequisite: Video Game Design Level 1

Students build on the skills learned in VGD Level 1 and take design to the next level. Different styles of maps are explored and the maps that are created are much more complex. Advanced topics include special effects, Kismet scripting, Matinee programming and static mesh creation. Students are welcome to explore other game engines aside from UT.

VIDEO (FILM & TV) PRODUCTION LEVEL 1 (MDFT-11)

Prerequisite: Computer Apps or Computer Graphics or permission of instructor

This course will introduce students to the different components involved in the production of commercial videography including idea development, scriptwriting, production scheduling, camera techniques and video editing. Using industry standard software and supplied video cameras, students will have the opportunity to explore visual effects & motion graphics and produce commercials, music videos, documentaries, and short films.

VIDEO (FILM & TV) PRODUCTION LEVEL 2 (12) (MDFT-12)

Prerequisite: Video Production Level 1

This course is project oriented, extending from the concepts learned in Video Production Level 1. Students refine, advance, and expand skills with a focus on visual effects, film contests, and further development of video production interest.

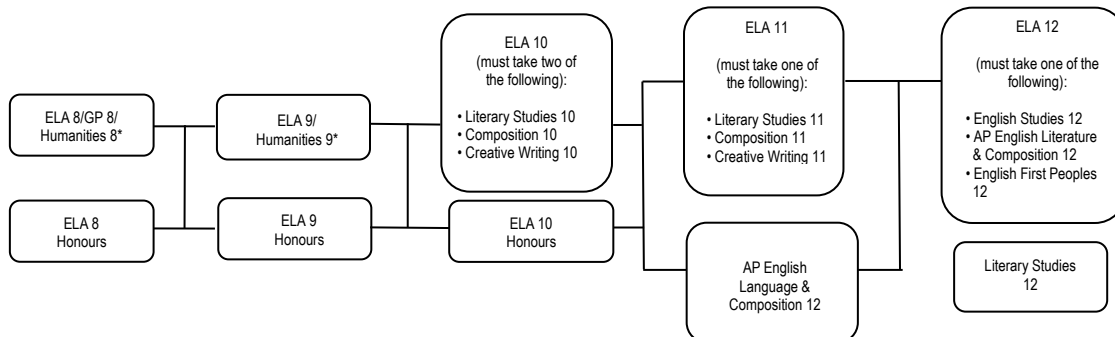
VISUAL EFFECTS (12) (MVAGA12)

Prerequisite: Video Production Level 1

Visual Effects 12 is designed for students who wish to continue in the world of video production with a sole focus on post-production effects and workflow. Students will use Adobe After Effects and other industry-standard programs to create a variety of effects including computer generated effects, practical effects, and kinetic typography.

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ENGLISH LANGUAGE ARTS DEPARTMENT



*See page 91 for Humanities information

ELA 9 (MEN--09)

Prerequisite: ELA 8/8H or Humanities 8

Students will study language structure, composition, and literature. The emphasis is on the writing process, on the analysis of narrative, expository and descriptive styles of writing, and on the appreciation of various literary forms.

ELA 9 HONOURS

Prerequisite: ELA 8/8H or Humanities 8 and department approval

Honours ELA is for those students who want the challenge of work that transcends the regular ELA curriculum. In Honours, students are required to do a higher level of reading, writing, and thinking, going beyond basic comprehension skills to an attempt at analysis and synthesis. Students should have the ability and the desire to work independently and in small groups on self-generated, self-directed projects. It is recommended that students who elect the Honours course have an 84% or better standing in the previous year and complete [this form](#) to indicate their interest in being considered for this course. **All** applicants will be required to complete a writing assessment on Wednesday, April 7, 2021.

ELA 10

Prerequisite: ELA 9/9H or Humanities 9

The intent of English Language Arts 10 is to allow students to choose areas of study that best meet their needs and aspirations.

In grade 10, students will choose one of the following pairings. These choices will be with the same teacher for a full-year. Each half of the pairing is a two-credit course for a total of four credits.

ELA 10 Pairings:

Literary Studies 10 and Composition 10

Literary Studies 10 and Creative Writing 10

Composition 10 and Creative Writing 10

The brief descriptors are below.

Literary Studies 10

Literary Studies 10 is for students interested in the study of literature. The course allows students to explore specific themes, periods, authors, or areas of the world through literary works. Giving students a range of literary topics allows them to increase their literacy skills through close reading of appropriately challenging texts. They will also develop higher-level thinking and learning skills. Possible areas of focus: short stories, novels, drama, poetry, graphic novels, children's literature, First People's texts.

Composition 10

Composition 10 is designed to develop students' skills in written communication in a variety of contexts. The course provides students with opportunities to think critically as they explore, extend, and refine their writing. Students will develop their craft through processes of drafting, reflecting, and revising their writing for a range of situations. Possible areas of focus: narrative, expository, descriptive, persuasive, and opinion pieces; writing for specific audiences and disciplines; evaluating and citing sources; considering the credibility of evidence.

Creative Writing 10

Creative Writing 10 is for students interested in creative expression through language. The course provides students with in-depth opportunities to become better writers through the exploration of identity, memories, and stories in a wide range of genres. Students will collaborate with others and develop their skills through writing and design processes. Students will explore ways to express themselves creatively as they experiment, reflect on, and refine their writing. Possible areas of focus: poetry, rap, drama, song, graphic novels, creative non-fiction, historical fiction, song lyrics, and other creative forms.

ELA 10 HONOURS

Prerequisite: ELA 9/9H or Humanities 9 and department approval

Honours ELA is for those students who want the challenge of work that transcends the regular ELA curriculum. In Honours, students are required to do a higher level of reading, writing, and thinking, going beyond basic comprehension skills to an attempt at analysis and synthesis. Students should have the ability and the desire to work independently and in small groups on self-generated, self-directed projects. It is recommended that students who elect the Honours course have an 84% or better standing in the previous year and complete [this form](#) to indicate their interest in being considered for this course. **All** applicants will be required to complete a writing assessment on Thursday, April 8, 2021.

****Students who wish to be considered for ELA 10H should choose the pairing of their choice.**

ENGLISH LANGUAGE ARTS 11

Prerequisite: ELA 10/10H

The English Language Arts program has changed. The intent is to allow students to choose areas of study that best meet their needs and aspirations. In Grade 11, students will choose one of the following (four credits) for a full year of ELA 11.

Literary Studies 11

Composition 11

Creative Writing 11

The brief descriptors are below.

Literary Studies 11 (MLTST11)

This course allows students to delve deeply into literature. We will explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Students will increase their literacy skills through close reading of appropriately challenging texts, expand their development as educated global citizens, and further develop higher-level thinking skills. Possible areas of focus: world literature, genre-specific studies (poetry, drama, graphic novels), specific topic, theme, or inquiry, literature by author or era. **Students who may be interested in taking AP English Literature & Composition 12 in their Grade 12 year are encouraged to choose Literary Studies 11 as their ELA 11 option.**

Composition 11 (MCMPS11)

It's not all about the essay! This course is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. Students will study, create, and write original and authentic pieces for a range of purposes and real-world audiences. Possible areas of focus: narrative, expository, descriptive, persuasive, and opinion pieces in addition to how to cite sources and evaluate the credibility of evidence.

Creative Writing 11 (MCTWR11)

This course is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. Students will explore personal and cultural identities, memories, and stories in a wide range of genres. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they reflect on, adjust, and extend their writing skills. Possible areas of focus: short fiction and non-fiction, genres such as children's literature, fantasy, dystopian literature, script writing, poetry, articles, memoirs.

AP English Language & Composition 12 (AEN--12)

Prerequisite: ELA 10 or ELA 10 Honours and department approval

The Advanced Placement course in Language & Composition offers an alternative to regular ELA 11 for those students who appreciate an academic challenge and possess a sincere interest in becoming skilled writers for a variety of purposes. In their studies, students will become aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Students who successfully complete this course will be receiving eight graduation credits: four credits for Composition 11 and four credits for AP English Language & Composition 12. Students will have the option to write the AP Language & Composition exam in May (approximate fee \$135). If a student scores 4 or 5 on the exam, they have the option to receive credit for a first-year university course. Students will also be prepared for the English 12 Advanced Literature & Composition class the following year.

Students interested in AP English Language & Composition 12 must complete [this form](#). All applicants will be required to complete a writing assessment on Monday, April 12, 2021. The Ministry uses this as your ELA 11 graduation requirement.

ENGLISH LANGUAGE ARTS 12

Students must take **one** of English Studies 12, English First People's 12, or AP English Literature & Composition as their mandatory ELA 12 requirement. Literary Studies 12 is an elective.

English Studies 12 (MENST12)

This course allows students to communicate in a variety of contexts and think critically and creatively about the use of language. Students will analyze texts that reflect diverse world views and evaluate literary elements, techniques, and devices. They will be able to evaluate information for bias, contradictions, distortions, and omissions. Students will also understand how different formats and features of texts reflect a variety of purposes, audiences, and messages. They will use the writing process to create meaningful communications products using the appropriate conventions of language. This course meets the requirement for ELA 12 for university entrance and the ELA graduation requirement.

English First Peoples 12 (MENFP12)

This grade 12 ELA course will use a literary lens to explore a wide variety of local and global First Peoples texts. The diverse range of forms and genres will bring together common themes found in Indigenous and First Peoples literature. Students will develop critical reading and writing skills while learning to apply theoretical concepts of analysis. This course will allow students to recognize the importance of self-representation through authenticity and the diverse factors that shape Indigenous and First Peoples' identities. The course will focus on contemporary and historical texts created primarily by First Peoples and will also draw from media, alternative forms of literature (such as poetry, short stories, oral texts and songs), and political documents and research. This course meets the requirement for ELA 12 for university entrance and the ELA graduation requirement.

AP English Literature & Composition 12 (AELC-12)

Prerequisite: ELA 11 or AP English Language & Composition 12 and department approval

The Advanced Placement course in Literature & Composition offers an alternative to regular ELA 12 for those students who appreciate an academic challenge and possess a sincere interest in literature and composition. In the course students are engaged in a careful reading of literary works. Through such study, they sharpen their awareness of language and their understanding of the writer's craft. Students are involved in both the study and practice of writing and the study of literature. Writing assignments will focus on the critical analysis of literature and will include essays in exposition and argument. Students will have the option to write the AP Literature & Composition exam in May (approximate fee \$135). If a student scores a 4 or 5 on the exam, they have the option to receive credit for a first-year university course. This course meets the requirement for ELA 12 for university entrance and the ELA graduation requirement.

Also, please know that Literary Studies 12 and AP English Literature & Composition 12 are two different courses. Skills and content do not overlap. Students may take them individually but are encouraged to enroll in both.

Students interested in AP Literature & Composition 12 must complete [this form](#). All applicants will be required to complete a writing assessment on Tuesday, April 13, 2021. Universities will typically use ELA 12 or AP English Literature & Composition 12 as an academically approved Grade 12 course for admission. They will not use both in the calculation for admissions.

English Language Arts 12 Elective Option

Literary Studies 12 (MLTST12)

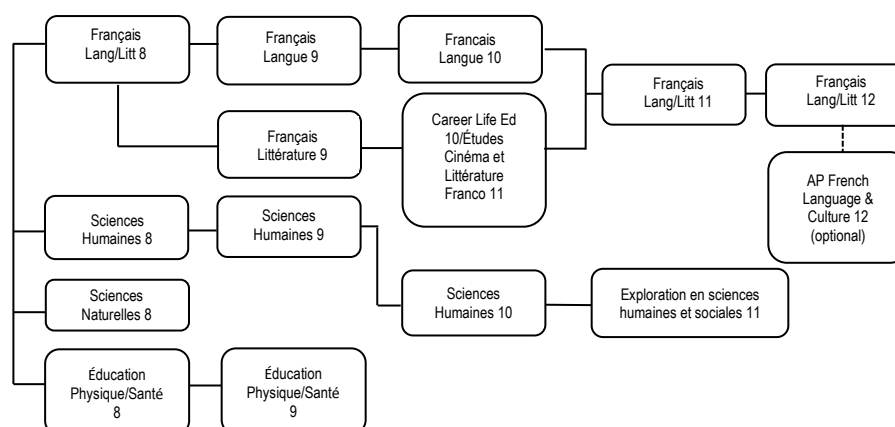
Prerequisite: ELA 11 or permission of instructor

This course surveys the literary accomplishments of great English writers from the Anglo-Saxon age to the Victorian era. Literary Studies 12 focuses on the authors and the works of British literature in their historical, cultural, and literary contexts, providing an opportunity for students to explore the cultural richness of our literary heritage. Please note that Literary Studies 12, English Studies 12, and English Literature & Composition 12 AP are three different courses. Literary Studies 12 is an academically approved Grade 12 course for post-secondary admission. Literary Studies 12 is an elective and does not meet the ELA12 graduation requirement.

Also, please know that Literary Studies 12 and AP English Literature & Composition 12 are two different courses. Skills and content do not overlap. Students may take them individually but are encouraged to enroll in both.

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FRENCH IMMERSION DEPARTMENT



FRANÇAIS LANGUE 9 (FFRAL09)

Prerequisite: Français Langue 8

The analytical approach to language elements initiated in Grade 8 will be continued with a higher expectation of accurate application of these elements in communicative situations. Students will apply their language skills in aural comprehension, oral presentation, formal-informal discussion as well as written form.

FRANÇAIS LITTÉRATURE 9 (XLDCA09)

Prerequisites: FRAL 8, Sciences Humaines 8, Sciences Naturelles 8, Education Physique 8

This course examines and extends language skills through literature using reading, writing, listening and speaking. The analytical approach to language elements initiated in Grade 8 will be continued with a higher expectation of accurate application of these elements in communicative situations. Students will apply their language skills in listening comprehension, oral presentation, formal-informal discussion and in written form.

SCIENCES HUMAINES 9 (FSCHF09)

Prerequisites: FRAL 8, Sciences Humaines 8, Sciences Naturelles 8, Education Physique 8

In this course, we continue our studies of geography and world history, integrating students' personal expression, human experience and cultural development. A co-operative French learning environment is used to allow students to apply French language skills accurately and fluently in listening comprehension, oral presentation, discussion and written forms.

ÉDUCATION PHYSIQUE/SANTÉ 9 (FEPSF09)

Prerequisite: Éducation Physique/Santé 8

This course covers the Grade 9 PHE curriculum in French and must be selected by Grade 9 French Immersion students. This is a co-ed class.

FRANÇAIS LANGUE 10 (FFRAL10)

Prerequisite: all prior 8 and 9 French Immersion courses

In this course students continue to study the elements of language developed in earlier grades with a greater emphasis on correctness of spoken and written language. The acquisition of vocabulary will continue through a thematic literature approach. Students write longer pieces according to the rules of composition, summaries, reports, research and business communication. The communication element of the course includes Francophone media, role-play and presentations.

SCIENCES HUMAINES 10 (FSCH-10)

Prerequisite: Sciences Humaines 9

This course develops skills and concepts from the Sciences Humaines 10 curriculum. Reading, writing, speaking, listening and research skills in French will be applied to Canadian pre and post confederation history and geography. The course will stress an independent and active approach to co-operative learning, thinking and creative problem solving. Its focus is the development of Canadian social and political structures, issues, and literature.

CAREER LIFE EDUCATION 10/ÉTUDES CINÉMA ET LITTÉRATURE FRANCO 11

(MCLE-10)/(FLTST11)

Prerequisite: all prior 8 and 9 French Immersion courses

Career Life Education (CLE) is a course that recognizes three major phases of career development—Foundation and Awareness, Exploration, and Experience and Application. As students move through Grades 10–12, they further refine their understanding of the links between personal development and their career decisions. They consider regional and global trends to reflect on career possibilities, refine their understanding of safety requirements associated with occupational areas and related technologies, and further develop and refine their understanding of career possibilities through planning, practice, and application of competencies and knowledge. This course will also offer two modules of littérature. This literature-based course extends language skills through reading, writing, listening and speaking. Reading materials and multi-media resources enhance depth of understanding of Francophone cultures and allow for participation in purposeful communication through listening comprehension, oral presentation, discussion and written work.

EXPLORATION EN SCIENCES HUMAINES ET SOCIALES 11 (FEPSS11)

Prerequisite: Sciences Humaines 10

This immersion course meets both the requirements of a Social Studies 11 credit and fulfills the grade 11 French Immersion requirements. This course offers students the opportunity to enhance their second language proficiency through a Social Studies lens. Students will explore 20th century history, the effects of colonization/decolonization on indigenous populations and human geography.

LANGUE ET CULTURE DE LA FRANCOPHONIE 11 (FRAL 11) (FLCF-11)

Prerequisite: Français Langue 10, Sciences Humaines 10, Planification 10

FRAL 11 students develop communication skills in reading, writing, listening and speaking through examination of creative works in literature and multimedia, and through study of cultural differences. They develop the ability to acquire information and acquire intermediate/ advanced language skills.

FRANÇAIS LANGUE/LITTÉRATURE 12 (FFRAL12)

Prerequisite: Français Langue/Littérature 11

This is the final course in the French Immersion program. It incorporates and refines skills acquired in previous years of French Immersion with emphasis on writing, reading and speaking skills and analytical discussion of literary works. With successful completion of FRAL 12 and the provincial, students earn the Bilingual Dogwood. This course is an academically approved course for post-secondary admissions.

AP FRENCH LANGUAGE & CULTURE 12 (AFRL12)

Prerequisite: FRAL 11 and currently in FRAL 12 and permission of instructor

AP French Language & Culture 12 is a challenging college-level course for students in FRAL12 who are interested in applying and developing skills that will allow them to prepare for the AP French Language & Culture 12 exam in May of their Grade 12 year. The context overlaps with FRAL 12 through a thematic approach using a variety of cultural products, practices, and perspectives. This course will be offered within the regularly scheduled FRAL 12 block after discussion with their French teacher. It will be added to a student's timetable in mid-September and is not available to be chosen in MyEd.

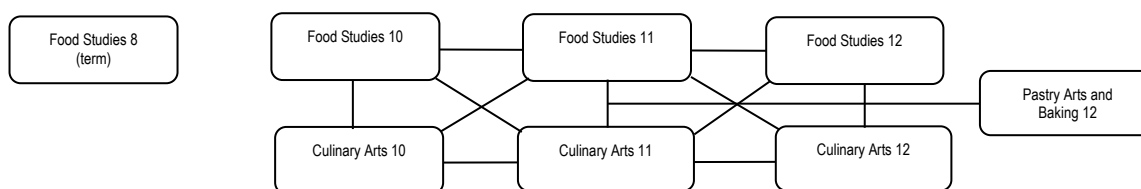
Students who enroll in AP French Language & Culture 12 should already have a good command of French grammar and vocabulary and have competence in the following four skills: listening comprehension, reading comprehension, speaking and writing. AP seeks to develop these skills further and to use the language for active communication in the following:

- The ability to understand spoken French in various contexts.
- A French vocabulary sufficiently ample for reading newspaper and magazine articles, literary texts and other non-technical writings without depending on a dictionary.
- The ability to express themselves coherently, resourcefully, and with reasonable fluency and accuracy in written and spoken French.

Work is structured around five themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, Beauty and Esthetics. Through these, students will learn to prepare for, study for and write a cumulative exam covering material in this discipline. Students will have the option to write the AP exam in May (approximate fee \$135); depending on the exam score, they may have the option to receive credit for a first-year university course. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

HOME ECONOMICS DEPARTMENT

FOOD STUDIES & CULINARY ARTS



FOOD STUDIES 10 (MFOOD10)

Prerequisite: in Grade 9 or higher

Whether or not you took Food Studies in Grade 8, you are invited to develop and explore a passion for learning how to develop your culinary skills! In this course, students will build upon the basics from Food Studies 8 by undertaking a journey through the world of food. Having an open mind to try new recipes and foods is key. In Food Studies 10, students will learn to use more advanced cooking techniques and tools, as well as be able to explore their creative sides in the kitchen. Students will also discover new flavors and learn how to work together in a group to produce tasty dishes and treats.

FOOD STUDIES 11 (MFOOD11)

Prerequisite: Food Studies 10 or Culinary Arts 10

This course allows you to continue to develop and explore your passion for food! It provides a more advanced study, both theoretical and practical, into the principles and techniques of food management and preparation. Students will be exposed to various types of cooking, gourmet food preparation and nutrition. Exercise your culinary talents and become the Iron Chef of your own kitchen!

FOOD STUDIES 12 (MFOOD12)

Prerequisite: Food Studies 11 or Culinary Arts 11

This course is for food enthusiasts who are eager to improve their food preparation skills. Students will be given the opportunity to plan meals and choose their own recipes. A culinary tour of the world's finest foods is always popular, as well as the opportunity to explore new and exciting entertaining ideas.

SPECIALIZED STUDIES IN FOOD 12 - PASTRY ARTS AND BAKING (MSPSF12)

Prerequisite: Food Studies 11 or 12 or Culinary Arts 11 or permission of instructor

Do you love to bake? Are you wanting to challenge and expand your baking skills learned previously in other Foods Studies courses? A variety of pastry and baking techniques will be explored in this course as students apply the principles and elements of design to their artistic baked goods. Course topics include an introduction to the elements and principles of design, creative baking, cookie sculpting, candy and chocolate making, artisanal breads, pastries, fondant and buttercream cake decorating, and gifts from the kitchen. This course is for the serious baker, or for those who may be considering a career in the baking and pastry arts industry.

CULINARY ARTS 10 (MCUL-10)

Prerequisite: in Grade 10 or higher

This course provides students with training and experience in marketable skills useful in a variety of commercial food services taught by a Red Seal chef. It enables students to gain experience and work co-operatively in the preparation and serving of food for the school cafeteria. Units of study include: kitchen safety, vegetable cookery, hygiene and sanitation, desserts and baking, pastry, food service control of food waste, receiving and storage of foods, portion control, selection of recipe/converting recipes, basic sauces, soups and stocks, basic salads and sandwiches, cutting poultry and meat.

CULINARY ARTS 11 (MCUL-11)

Prerequisite: in Grade 11 or 12, Food Studies 10 or Culinary Arts 10 recommended

You will be expected to take on more of a leadership role in the kitchen, lead a team of new cooks, and act as a mentor to them. Students are expected to display a higher maturity level with students and take on more responsibility in the kitchen.

CULINARY ARTS 12 (MCUL-12)

Prerequisite: in Grade 12, Food Studies 11 or Culinary Arts 11 recommended

You will be expected to take on more of a leadership role in the kitchen, lead a team of new cooks, and act as a mentor to them. Students are expected to display a higher maturity level with students and take on more responsibility in the kitchen.

FOR ALL CULINARY ARTS CLASSES

Food Safe is offered through the class at a greatly reduced price (approximately \$25. Through other avenues it is \$75-\$110). Great course to gain entry-level skills for restaurants, or just to learn to cook great food!

HOME ECONOMICS DEPARTMENT

FAMILY STUDIES

INTERPERSONAL AND FAMILY RELATIONSHIPS 11: HUMAN CONNECTION AND GUIDED EMOTIONAL LEARNING (MIAFR11)

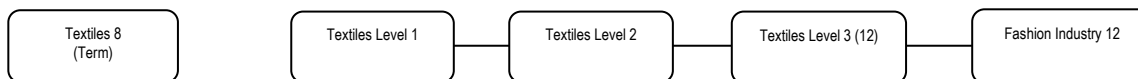
Prerequisite: in Grade 10, 11, or 12

In this course students will undertake a journey of self exploration. Much of what will be learned will be directed by the students. As our world is constantly changing, so are we; therefore students will work together to explore as many ideas and topics that will help them to get to know themselves better. Students will explore and research different sources (media, books, podcasts, blogs, guest speakers, etc.) to help them better understand who they are and their place in the world. Students will also explore the impact on self by community and culture. Students will gain the tools and technologies to influence healthy communication with themselves, romantic partners, family, and new and current friendships. Students will also learn how to develop self-love, build leadership skills, cultivate self-awareness and confidence, satisfy their curiosity, and become more open and vulnerable.

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HOME ECONOMICS DEPARTMENT

TEXTILES



TEXTILES LEVEL 1 (MTXT-10)

Prerequisite: none

This course introduces students to the sewing machine and serger, sewing techniques, garment construction, alteration, textiles art (hand embroidery) as well as hemming jeans and mend clothing. You will learn how to read a pattern, do basic pattern alterations and have an understanding of the design principles. This hands-on course is perfect for testing your problem-solving skills and will provide you with a lifetime knowledge in basic textiles and sewing. Four projects will be completed through the year: a hooded sweatshirt (pattern provided), holiday stocking (pattern provided), a tank top/t-shirt (pattern provided), how to hem jeans using the original hem, deconstructing and mending jeans as well as an up cycle project of their choice. Special note: Students must supply their own material and basic sewing supplies

TEXTILES LEVEL 2 (MTXT-11)

Prerequisite: Textiles Level 1 or permission of instructor

This is an intermediate level textiles course designed to expand the sewing skills and knowledge needed to construct more difficult projects. You will be working with difficult fabrics like thin knits, satins, chiffon and lace. You will learn how to match stripes and plaid, the art of fabric applique, and how to use and create your own design with the embroidery machine. Five projects will be completed through the year: knit shirt, applique pillow, striped bag, machine embroidery project and a choice project using a difficult fabric (lace, satin, chiffon, silk). Special note: Students must supply their own project materials, garment patterns and basic sewing supplies.

TEXTILES LEVEL 3 (12) (MTXT-12)

Prerequisite: Textiles Level 2 or permission of instructor

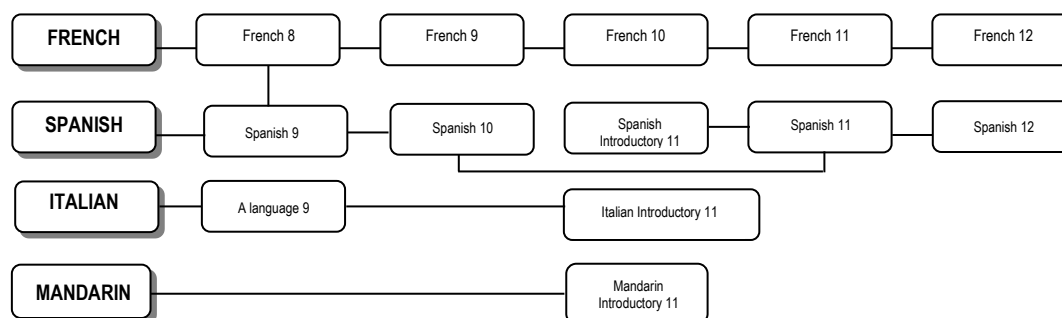
This advanced course focuses on more difficult techniques requiring precision and attention to detail. Students will learn the basics of how to make a shirt or jacket with collar and buttons, different types of quilting and more advanced constructions techniques. Pattern alteration will also be put into practice as every project will need to be adjusted for a perfect fit. Four projects will be completed through the year: shirt or jacket, a quilted project, leggings and a project of their choice. Special note: Students must supply their own project materials, garment patterns and basic sewing supplies.

FASHION INDUSTRY (12) (MFIND12)

Prerequisite: Textiles Level 3 or permission of instructor

Are you interested in the workings of the fashion industry? Students will be introduced to a broad spectrum of fashion related careers such as merchandizing, marketing and product development. The principles of design will be used when students create their own fashion illustrations focusing on the upcoming trends. Students will be using their own body measurement to create a basic skirt (or shorts) pattern and then creating their own unique item as well as designing a sleeve to fit into a commercial pattern button-down top.

LANGUAGES DEPARTMENT



***See page 22 for university language requirements.**

FRENCH 9 (MFR--09)

Prerequisite: French 8

French 9 continues to develop students' comprehension, writing and oral skills and more complex vocabulary and grammatical structures, via the communicative approach, within the context of a variety of themes. Students are introduced to the future proche and the passé composé verb tenses.

FRENCH 10 (MFR--10)

Prerequisite: French 9

Students further develop their skills in listening, speaking, reading and writing, using the communicative approach. A variety of themes provide the context for this course. Emphasis is on distinguishing between présent, passé, compose, futur, and using these in context.

FRENCH 11 (MFR--11)

Prerequisite: French 10

This course continues development of oral and written communication in French as well as advancing listening and reading comprehension of francophone media and literature. Oral participation is simple but communicative French is emphasized.

FRENCH 12 (MFR--12)

Prerequisite: French 11

French 12 is an advanced elective which further develops students' skills in writing, understanding and speaking French. Oral and listening activities enrich the program, but the emphasis is on reading creative, informative and authentic materials and on composition and grammatical skills. This course is an academically approved Grade 12 course for post-secondary admission.

ITALIAN INTRODUCTORY 11 (MBIT-11)

Prerequisite: completion of any Grade 9 language course

This is an accelerated beginning course introducing students to written and spoken Italian through a communicative approach. Students work on comprehension and expression along with grammatical structures and everyday vocabulary. The course also emphasizes appreciation and understanding of Italian culture. This course, while open to any Grade 10, 11, or 12 students might be especially useful for current or former French Immersion students who would like to branch out and try an additional language with similarities to French.

MANDARIN INTRODUCTORY 11 (MBMAN11)

Prerequisite: in Grade 10, 11, or 12

This is a beginner course introducing students to written and spoken Mandarin through a communicative approach. Students work on comprehension and expression along with grammatical structures and everyday vocabulary. The course also emphasizes appreciation and understanding of Chinese culture. This course, while open to any Grade 10, 11, or 12 students might be especially useful for current or former French Immersion students who would like to branch out and try an additional language.

SPANISH 9 (MSP--09)

Prerequisite: French 8

To be successful in Spanish 9, it is recommended that students have achieved at least a C+ in French 8. Spanish 9 is designed for students *with no previous knowledge* of Spanish. The course is based on reading, writing, speaking and listening skills and on an appreciation of Hispanic culture. It is extremely important to keep in mind that Spanish is an **academic** elective. It is expected that students enrolling in Spanish 9 be prepared for the intensive workload of learning a completely new and exciting language.

SPANISH 10 (MSP--10)

Prerequisite: Spanish 9

Spanish 10 builds on skills and knowledge acquired in Spanish 9. A solid mastery of these skills is expected for those who decide to continue to this next level of the Spanish program. Students will work on comprehension and expression along with everyday vocabulary and grammatical structures (focusing on the past tense).

SPANISH 11 INTRODUCTORY (MBSP-11)

Prerequisite: in Grade 10 or permission of instructor

This is a beginner course that is being offered for 1 year to help those students that were unable to get Spanish 9 or 10 due to COVID restrictions. It is intended to be a bridging course to help students get an introduction to Spanish and follow up with Spanish 11 the following year. Students work on comprehension and expression along with grammatical structures and everyday vocabulary. The course also emphasizes appreciation and understanding of Spanish culture.

SPANISH 11 (MSP--11)

Prerequisite: Spanish 10

The Spanish 11 class builds on material learned in the beginner's course to further develop communication skills in Spanish through listening, speaking, reading, and writing. Oral communication comprises much of this course. Each unit focuses on a different Spanish speaking country and enables students to continue to learn about Hispanic cultures. Students should buy a small Spanish-English dictionary for reference.

SPANISH 12 (MSP--12)

Prerequisite: Spanish 11

This is an advanced Spanish language course intended to continue to refine the skills developed in the previous two levels of Spanish. Hispanic culture and literature will be explored in greater depth. This course will only be offered if enrollment is sufficient. This course is an academically approved Grade 12 course for post-secondary admission.

LEADERSHIP

LEADERSHIP IN ATHLETICS 12 (YIPS-2AL)

Prerequisite: in Grade 11 or 12.

Our goal is to help our leaders learn how to inspire, motivate, and build community through athletics and sport. Students will have the opportunity to discover their leadership potential and learn how to effectively utilize their leadership skills in different settings. Students should expect a fun, engaging, self-directed, collaborative, but challenging experience infused with technology.

Students are encouraged to sign up with friends and teammates as the course provides the opportunity for many cooperative group challenges. Some of the larger scale group activities include organizing and executing the Terry Fox/TUFF WALLY challenge, organizing and executing a multi-sport intramural program, hosting the school's annual Club Day, bringing the spirit to our school's athletic events, and putting on the school's Pep Rallies. A class favourite also includes designing and executing a lesson in a junior PHE class.

This course is ideal for students who are looking for potential careers in physical education, personal training, coaching, advertising/marketing, sports broadcasting or in recreation. There will occasionally be a regular PHE component where students are physically active in class, this includes various field trips designed to introduce students to new recreational activities such as rock climbing, gymnastics, and skating.

LEADERSHIP 11/12 – GATOR POD ***Please note:** Leadership 11/12 - Gator Pod is currently on hold. If we are able to offer this course, we will communicate with students in June.*

Prerequisite: must be in Grade 11 or 12. Students are unable to take Leadership - Gator Pod and Student Aide in the same year.

Leadership Gator Pod students design and carryout fun and unique challenges, as well as, build meaningful and supportive relationships with our Grade 8 students. Participants in this course will mentor students both academically and socially within the unique interdisciplinary environment provided by Gator Pod. Some of the more notable tasks include helping organize and execute technology tutorials, Caine's Arcade, House Cup celebrations, Genius Week, Terra outdoor survival simulation, Amazing Race, and Gators' Den. The leaders are also asked to help organize Remembrance Day activities, coordinate the sponsoring of local families around the holidays, and finally to help reach out and visit with our school's Explorations special education students.

Students should be team players, self-starters, strong communicators, good role models and enthusiastic about mentoring younger students. This course is designed for Leadership students who want to be a part of something special and who are interested in enriching their school community.

This course will be individually added to students' schedules once the timetable has been finalized in June and thereby will not show in MyEd course verifications.

STUDENT AIDE 11/12 ***Please note:** Student Aide 11/12 is currently on hold. If we are able to offer this course, we will communicate with students in June.*

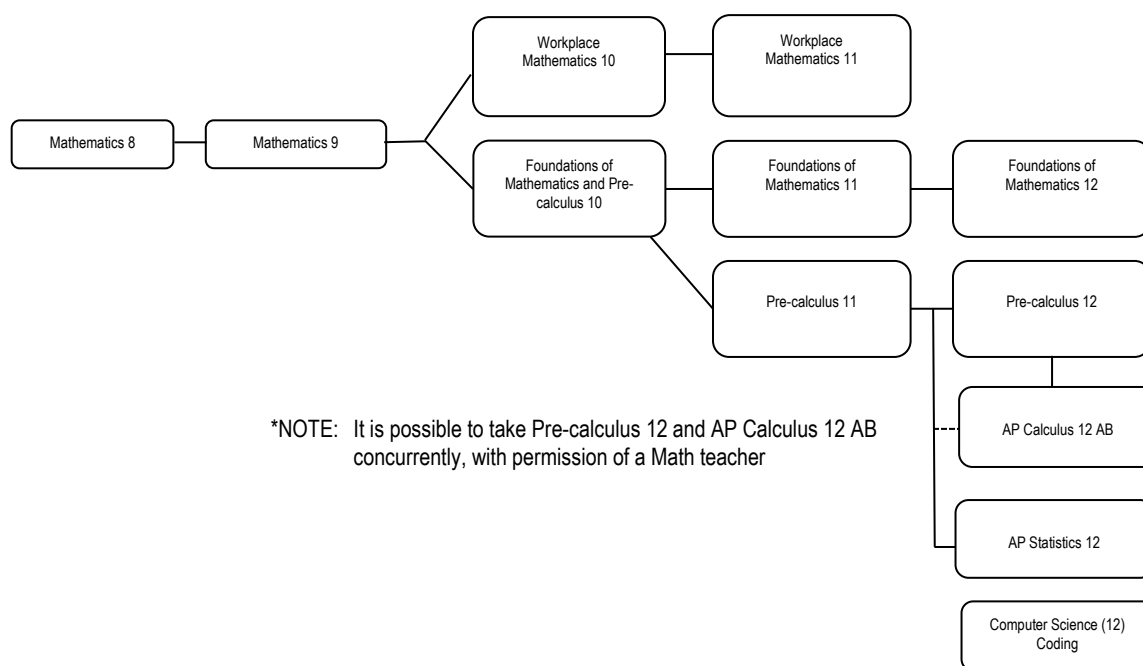
Prerequisite: in Grade 11 or 12. Students are unable to take Student Aide and Leadership - Gator Pod in the same year.

Student Aide 11/12 offers students an opportunity to work in a classroom under a teacher's guidance and supervision, assisting, engaging and encouraging the students with their class-related schoolwork and helping them develop the skills necessary for success in the classroom. In addition, Student Aides will also have an opportunity to provide assistance to the teacher in improving the classroom climate and in a variety of organizational means.

Students can choose to be Student Aides in a variety of different subject areas working with a teacher with whom they feel comfortable. Students who are interested in being a Student Aide must have a Student Aide Application Form fully completed, including the potential teacher and the parent signature. This application form must indicate which elective course to drop; the form is then returned to the Counselling Centre and if the placement works, the Student Aide block will be added to the student's timetable in July.

Student Aide blocks will not be added to students' schedules until the timetable has been finalized in June. Therefore, students must select a course in MyEd which will be dropped if the Student Aide block works with their schedule.

MATHEMATICS DEPARTMENT



MATHEMATICS 9 (MMA--09)

Prerequisite: Mathematics 8

Students will extend many of the topics and ideas studied in Mathematics 8. Students will continue a contextual approach in the investigation of mathematical concepts and work towards conceptual understanding and numeracy. Learning activities will continue to help students proceed from simple, concrete ideas to more abstract, complex concepts. This course prepares students for both grade 10 level mathematics courses. Course content: scale factors and similarity, surface area, rational numbers, powers and exponents, polynomials, linear relations, equations, data analysis, and probability.

CHOICES IN MATHEMATICS STARTING IN GRADE 10:

There are several options for math courses starting at the Grade 10 level. Each pathway is designed to provide students with the mathematical understandings, rigor and critical-thinking skills that have been identified for specific post-secondary programs of study and for direct entry into the work force.

The different courses are intended to allow students to focus and specialize on mathematical topics and skills that match their abilities, interests, and future education and career plans. For more information about courses and choices, see a counsellor or math teacher, or visit the Ministry of Education website at <https://curriculum.gov.bc.ca/curriculum/mathematics>.

Just as Biology, Chemistry, and Physics are different courses with different content, the math courses at each grade level contain different content and concepts, rather than representing different 'levels' of the same content. As such, students may choose to select more than one math course if they desire. For example, a student might choose to take both Foundations and Pre-Calculus starting in Grade 11 to gain a broad mathematical background.

Post-Secondary Requirements: mathematics requirements vary for specific institutions and post-secondary programs. **Students are encouraged to check specific mathematics requirements by consulting** calendars and websites for specific institutions, a WGSS counsellor, or the 'Education Planner' website: <http://www.educationplanner.ca>

WORKPLACE MATHEMATICS

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

WORKPLACE MATHEMATICS 10 (MWMP-10)

Prerequisite: Mathematics 9

Topics in the course include Algebra and Number: proportional reasoning including unit pricing, formula manipulation and application; Financial Mathematics: types of income; Geometry: spatial puzzles and games, Pythagorean Theorem, similarity of convex polygons; Measurement: SI and Imperial units and conversions, linear, area, volume, capacity, mass, and temperature; Trigonometry: right-angle triangle trigonometry.

WORKPLACE MATHEMATICS 11 (MWMP-11)

Prerequisite: Workplace Mathematics 10 or permission of instructor

Topics in this course include Algebra and Number: proportional reasoning including unit analysis, formula manipulation and application, numerical puzzles and games; Financial Mathematics: personal budgets, compound interest, financial services including credit cards and loans; Geometry: two and three right triangle problems, scale representation of 3-D objects, exploded views and component parts of 3-D objects; Measurement: surface area, volume and capacity in SI and Imperial units; Relations and Functions: slope; statistics: bar graphs, histograms, line graphs and circle graphs; Trigonometry: Cosine Law and Sine Law excluding the ambiguous case.

FOUNDATIONS OF MATHEMATICS

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus.

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10)

Prerequisite: Mathematics 9 with a recommended minimum mark of C+

Topics in the course include Algebra and Number: factors of whole numbers, irrational numbers, powers with integral and rational exponents, multiplication of polynomial expressions, common and trinomial factors, finance; relations and functions: relationship between data, graphs and situations, slope linear relations and characteristics of their graphs, function notation, systems of linear equations; Trigonometry: right-angle triangle trigonometry.

FOUNDATIONS OF MATHEMATICS 11 (MFOM-11)

Prerequisite: Foundations of Mathematics 10

Topics in this course include Algebra and Number: application of rates, finance; Geometry: scale factors, areas, surface area, and volume, proofs for the properties of angles and triangles, spatial puzzles and games; Logic: inductive and deductive reasoning; Relations and Functions: systems of linear inequalities in two variables, quadratic functions; Mathematics Research: research on historical event or area of interest involving mathematics; Statistics: normal distribution, standard deviation, and z-scores, confidence intervals, confidence levels, and margin of error.

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

Prerequisite: Foundations of Mathematics 11 or Pre-calculus 11

Topics in this course include Finance: compound interest and financial decision making, analysis of buying, leasing, and renting, analyze an investment portfolio in terms of interest rate, rate of return, and total return; Logic: analysis of puzzles and games involving logical reasoning, application of set theory, conditional statements; Probability: interpret and assess the validity of odds and probability statements, mutually exclusive events, combined events, fundamental counting principle, permutations and combinations; Relations and Functions: polynomial functions and regression, exponential and logarithmic functions and regression, sinusoidal functions and regression; Mathematics Research: research on historical event or area of interest involving mathematics. This course is on the list for academically approved Grade 12 courses for admission to most post-secondary institutions.

PRE-CALCULUS (STARTING AT GRADE 11)

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. The study of Calculus is part of post-secondary programs in fields such as science, engineering, mathematics, and business. Note that the Pre-calculus math courses involve highly theoretical, abstract concepts. **A high grade in Foundations of Mathematics and Pre-calculus 10 is strongly recommended to enroll in Pre-calculus 11.**

PRE-CALCULUS 11 (MPREC11)

Prerequisite: Foundations of Mathematics 10 with a recommended minimum mark of 70%

Topics in this course include Algebra and Number: absolute value, radicals, radical expressions & equations, rational expressions and equations; Relations and Functions: polynomial factoring, absolute value functions, quadratic functions, linear-quadratic and quadratic-quadratic systems, one-variable quadratic inequalities, two-variable linear and quadratic inequalities, arithmetic sequences & series, geometric sequences & series, reciprocal functions; Trigonometry: angles and trigonometric ratios for angles from 0° to 360° in standard position, Cosine Law and Sine Law including ambiguous case.

PRE-CALCULUS 12 (MPREC12)

Prerequisite: Pre-calculus 11 with a recommended minimum mark of 73%

Topics in this course include Trigonometry: radian measure of angles, primary and reciprocal trigonometric ratios, unit circle, primary trigonometric functions and transformations, solving linear and quadratic trigonometric equations, trigonometric identities including reciprocal, quotient, Pythagorean, sum and difference, and double-angle; Relations and Functions: operations on, and composition of functions, transformations of functions and relations, including translations, reflections, expansions/compressions, and inverses, exponential functions and equations, logarithmic functions and equations, laws of logarithms, polynomial functions and equations, factoring of polynomials, radical functions, rational functions; Combinatorics & Probability: fundamental counting principle, permutations and combinations, binomial expansion theorem. This course is an academically approved Grade 12 course for post-secondary admission.

COMPUTER SCIENCE (12) – CODING (MMACS12)

Prerequisite: Computer Apps or interest in pursuing computer science

Want to learn how to code? Programming provides you with a solid foundation to build your skills. Using the Python programming language, students start from the basics and learn how to build simple games and programs. This course will give you a Mathematics 12 credit. This course is an academically approved Grade 12 for many, but not all, post-secondary institutions.

AP STATISTICS 12 (ASTA-12)

Prerequisite: Foundations of Mathematics 11 or Pre-calculus 11 with a recommended minimum mark of 73%

In today's 'age of information' we are bombarded with data and statistics all the time, often in the form of numbers, tables, graphs, charts, and prediction lines. Businesses, governments, and many other organizations make major 'data-driven' decisions and change practice and policy based on the strength of statistical analysis. Researchers across a wide range of fields use statistics to understand their observations about the world. Most people will encounter and use statistics in their lives far more often than they will use algebra, calculus, and other branches of mathematics.

The AP Statistics course is equivalent to a university-level, one-semester introductory, non-calculus-based course in statistics. Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Students will use technology, investigations, problem solving, and writing as they build conceptual understanding of these four broad themes.

Students will have the option to write the AP Statistics exam in May (approximate fee is \$135). If a student scores a 4 or 5 on the exam, they have the option to receive credit for a first-year university course. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

AP CALCULUS 12 AB (ACAL-12)

Prerequisite: Pre-calculus 12, or Pre-calculus 11 along with permission of the Mathematics department. Please see Mr. Balzarini or a counsellor for more information.

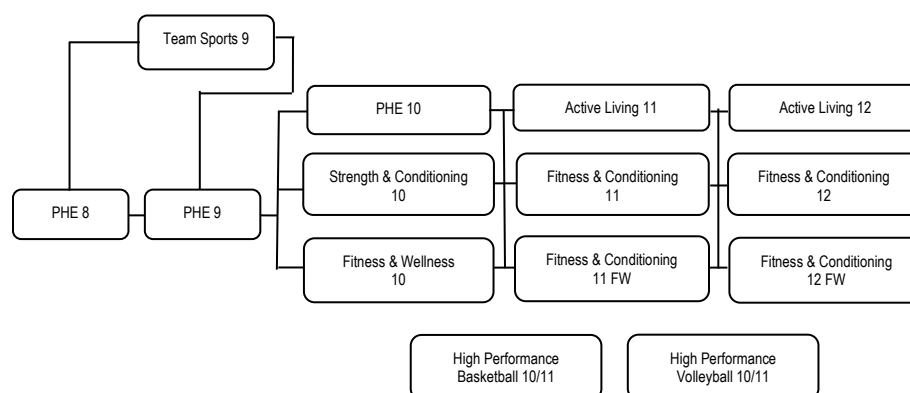
This course is intended for students who are planning to enter a university or college program requiring a Calculus course and would like to do some preliminary study of the subject. Students who successfully complete this course will find themselves very well prepared for any first year, university level Calculus course. Calculus 12 is a requirement for entry into some university programs, AP Calculus 12 AB will meet this requirement.

Topics in this course include Functions & Limits: functions & graphs, one-to-one, piecewise, even & odd, composition, and inverses of functions, base e , limits & continuity, limits involving infinity, tangent lines and rates of change; Derivatives: definition of the derivative and differentiability, rules for differentiation, derivative as rate of change – e.g. velocity, trigonometric & inverse trigonometric derivatives, chain rule & implicit differentiation, derivatives of exponential and logarithmic functions, graphs of functions and derivatives, extreme value problems & optimization, related rates; Integrals: definite & indefinite integrals, integration by substitution, Integral as net change, fundamental theorem of Calculus, differential equations & initial value problems, using integrals to find areas and volumes.

Students will have the option to write the AP Calculus exam in May (approximate fee is \$135). If a student scores a 4 or 5 on the exam, they have the option to receive credit for a first-year university course. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

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PHYSICAL & HEALTH EDUCATION DEPARTMENT



PHE 9 BOYS/GIRLS/CO-ED (MPHE--09)

Prerequisite: PHE 8

Grade 9 PHE is an extension of PHE 8. Students have opportunities to develop skills and knowledge in the following areas:

- All activities and sports offered in the Gator Athletics program. Students will be encouraged to engage with the opportunity to become part of a school activity team/club (volleyball, basketball, rugby, ultimate Frisbee, mountain biking).
- Deeper understanding of nutrition, physical health, mental health and healthy relationships/sexual health.
- There will be a focus on fitness and physical health development. This will come by way of distance runs in the community, interval training sessions and a variety of fitness assessments.
- A strong focus on teaching students our PHE “Gator Way” also heavily steers the delivery of curriculum.

All students in Grade 9 must wear school issued Gator PHE strip for all PHE classes. WGSS offers parents high quality Gator shorts and t-shirt for \$20 that can be paid along with student fees at the start of the school year.

TEAM SPORTS 9 BOYS/GIRLS

Prerequisite: recommendation and approval of PHE department.

This course focuses on volleyball, basketball, badminton, tennis, minor games, and softball. The emphasis is on improving skill levels in these sports through repetition of advanced drills and game situations. Students will be exposed to fitness and circuit training techniques, and some advanced team strategies. Students who are selected for this course must have the desire to work hard at improving their personal skill levels as well as their knowledge of these games. Deeper understandings of nutrition, physical health, mental health, and healthy relationships/sexual health will also be explored. This course is taken instead of PHE 9. Interested students must complete [this form](#).

PHE 10 BOYS/GIRLS/CO-ED (MPHED10)

Prerequisite: any PHE 9 course

Students continue to develop the progressions of skills, rules and strategies in core activity areas. Development of fitness and overall health is strongly focused on as student bodies at this age are developing rapidly. It is hoped at this time that student knowledge of game rules and strategies combined with improved skills as a result of three years of study will enable them to participate confidently and enthusiastically in all activities for the remainder of high school and into their adult lives. This should be the culmination of structured PHE instruction and curriculum with a focus on transitioning to student centered, overall individual wellness.

PHE 10 FITNESS & WELLNESS (MPHED10FG)

Prerequisite: any PHE 9 course

This course is for students who are interested in developing a personal and life long active and healthy lifestyle. The focus of this course is to introduce aerobic programs, like Insanity, Just Dance and personal wellness sessions including Yoga, Zumba, as well as HIIT and Bootcamp activities. These programs will be broken down to teach proper techniques and timing to ensure life-long success for you and your body. There will also be a healthy living component to this course that will involve goal setting, both short and long term, and nutrition lessons. These will be presented/represented in a student created digital fitness portfolio to be assessed. Students must be able to participate in high-level aerobic activities to take this course.

PHE 10 HIGH PERFORMANCE BASKETBALL (MPHED10-BB)

Prerequisite: any PHE 9 course

High Performance Basketball is designed to enhance each student's fundamental basketball skills. Students who are motivated athletes looking for opportunities to practice their basketball skills in individual, small group, and game like settings will do well in this course. Students will also work on developing leadership skills, health, and nutritional knowledge, while also improving their physical strength, fitness, and athleticism. Students will have the opportunity to learn from different coaches throughout the year. This course will take the place of the required PHE course for Grade 10 students and will count as Active Living for Grade 11 students.

PHE 10 HIGH PERFORMANCE VOLLEYBALL (MPHED10-VB)

Prerequisite: any PHE 9 course

High Performance Volleyball is designed to enhance each student's fundamental volleyball skills. Students who are motivated athletes looking for opportunities to practice their volleyball skills in individual, small group, and game like settings will do well in this course. Students will also work on developing leadership skills, health, and nutritional knowledge, while also improving their physical strength, fitness, and athleticism. Students will have the opportunity to learn from different coaches throughout the year. This course will take the place of the required PHE course for Grade 10 students and will count as Active Living for Grade 11 students.

PHE 10 STRENGTH & CONDITIONING (MPHED10C)

Prerequisite: any PHE 9 course

Strength & Conditioning is available to students in Grade 10 who have an interest in developing overall body strength and increasing general fitness levels. Students will engage in a variety of activities concentrating on weightlifting, cardiovascular conditioning, core development and flexibility exercises. This course introduces to students a greater understanding of exercise, physiology, and muscular anatomy. Students will utilize both free weights and circuit training. This class will take an introductory look into weight training, training modes, program design, and how it fits into a complete fitness program.

FITNESS & CONDITIONING 11/12 FITNESS & WELLNESS (MFTCD11-G/MFTCD12-G)

Prerequisite: any PHE 10 course and in Grade 11 or 12

This is a course for students who are interested in developing, or continuing to develop, a personal and life long active and healthy lifestyle. This course can be taken as a PHE 11 elective. The focus of this course is to introduce aerobic activity programs, such as DVD-based programs like Insanity, or multi-dimensional programs like Cross-Fit. These programs will be broken down to teach proper techniques and timing to ensure life-long success for you and your body. There will also be a healthy living component to this course that will involve goal setting, both short and long term, and nutrition lessons. Each student will document their progress in all components and be able to present for their graduation requirements.

FITNESS & CONDITIONING 11/12 STRENGTH & CONDITIONING (MFTCD11/MFTCD12)

Prerequisite: any PHE 10/11 course and in Grade 11 or 12

This course is designed for those students interested in being active and using fitness and conditioning as a lifelong fitness activity. Expanding on activities described in Grade 10, this course will incorporate elements of aerobics, Yoga, Pilates, nutrition, care and prevention of injuries and more. Students will develop and record their own wellness programs and fitness assessment progress.

ACTIVE LIVING 11 (MACLV11)

Prerequisite: any PHE 10 course

Active Living 11 is an elective course offered for senior students where the emphasis is placed on personalized fitness and developing a lifelong active and healthy lifestyle. Students must be able to participate in gym activities as well as fitness classes at the Walnut Grove Community Centre. This includes Pilates, Yoga, Zumba, and pool activities such as water polo, aqua fit, deep-water rescue and spin class. There will also be a technology component where students must actively engage in a class blog on various topics in fitness, health, and nutrition. There will be a course fee of \$30 for Walnut Grove Community Centre costs.

ACTIVE LIVING 11 HIGH PERFORMANCE BASKETBALL (MACLV11K)

Prerequisite: any PHE 10 course

High Performance Basketball is designed to enhance each student's fundamental basketball skills. Students who are motivated athletes looking for opportunities to practice their basketball skills in individual, small group, and game like settings will do well in this course. Students will also work on developing leadership skills, health and nutritional knowledge, while also improving their physical strength, fitness, and athleticism. Students will have the opportunity to learn from different coaches throughout the year. This course will take the place of the required PHE course for Grade 10 students and will count as Active Living for Grade 11 students.

ACTIVE LIVING 11 HIGH PERFORMANCE VOLLEYBALL (MACLV11V)

Prerequisite: any PHE 10 course

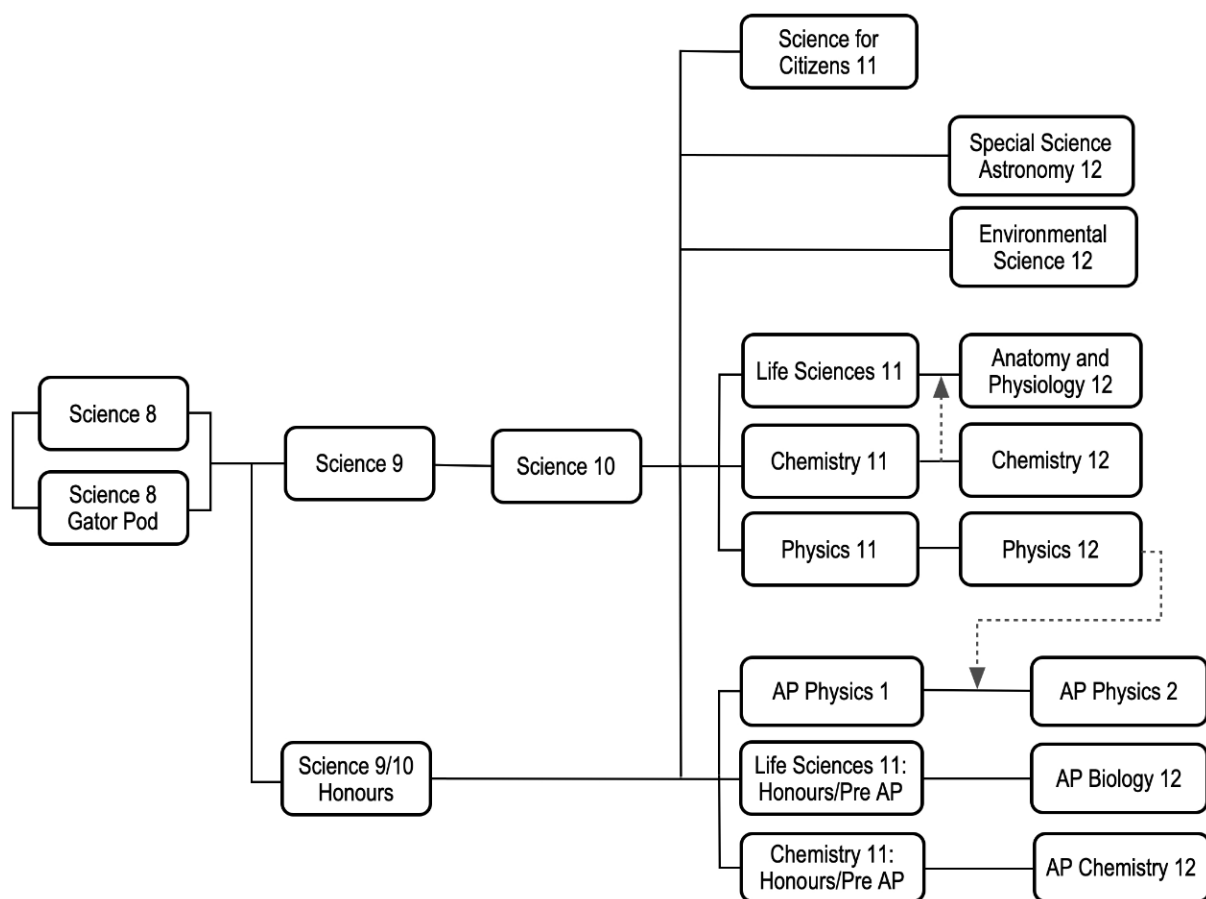
High Performance Volleyball is designed to enhance each student's fundamental volleyball skills. Students who are motivated athletes looking for opportunities to practice their volleyball skills in individual, small group, and game like settings will do well in this course. Students will also work on developing leadership skills, health and nutritional knowledge, while also improving their physical strength, fitness, and athleticism. Students will have the opportunity to learn from different coaches throughout the year. This course will take the place of the required PHE course for Grade 10 students and will count as Active Living for Grade 11 students.

ACTIVE LIVING 12 (MACLV12)

Prerequisite: any PHE 11 course

Active Living 12 is a senior elective offered for Grade 12 students with the emphasis on personalized fitness and developing a lifelong active and healthy lifestyle. Students must contribute to a weekly class blog on various topics in health, nutrition, and fitness. Students must be able to participate in various gym activities and fitness classes at the community center, as well as activities in the pool. Students will maintain personal fitness through running and other cardio activities, through lessons in nutrition and wellness, and make appropriate choices and set personal goals that enhance their quality of life. There will be a course fee of \$30 for Walnut Grove Community Centre costs.

SCIENCE DEPARTMENT



SCIENCE 9 (MSC--09)

Prerequisite: Science 8

Students enrolling in Science 9 will have the opportunity to learn about four major fields of science: cellular reproduction, atomic theory as it relates to the Periodic Table, the production and distribution of electricity and Earth's major spheres. Within these studies, there will be a closer look at DNA, mitosis and an introduction to inheritance, an introduction to chemical reactions and lab procedures, circuitry, methods of generating electricity (emphasis on BC's role in this), and how the water and carbon cycles are related, particularly within the scope of current climate issues. While exploring these big ideas, we are also focusing on helping students learn the science skills of questioning, predicting, planning, conducting, processing, analyzing, evaluating, applying, innovating and communicating.

SCIENCE 9/10 HONOURS (MSC--10H)

Prerequisite: Science 8 and department recommendation

Science 8 students who demonstrate an outstanding ability in science and who are planning to pursue a career in a science related field may choose to take this course. Students interested in Science 9/10H must complete [this form](#). Entry decisions into Science 9/10H will be based on student ability and the number of openings available. Students must be prepared to be challenged with a course that will cover many of the concepts from both the Science 9 and the Science 10 curriculum in one year. Students who successfully complete this accelerated program will have the opportunity to take additional science courses over the next three years of school (Grade 10-12). Students will have the opportunity to learn about DNA, cellular reproduction, and genetics; the periodic table, chemical compounds and reactions, and acid-base chemistry as well as nuclear energy and radiation and cosmology as it relates to the Big Bang Theory. While exploring these big ideas, we are also focusing on helping students learn the science skills of questioning, predicting, planning, conducting, processing, analyzing, evaluating, applying, innovating and communicating.

SCIENCE 10 (MSC--10)

Prerequisite: Science 9

Students enrolling in Science 10 will have the opportunity to learn about four major fields of science: Genetics, chemical reactions, physical sciences and astronomy. Within these studies, there will be a closer look at the structure of DNA, inheritance, genes, ethical considerations of natural and artificial selection, acid-base chemistry, thermodynamics, energy transformations, nuclear energy and radiation, cosmology as it pertains to collection of data that lead to the Big Bang Theory. While exploring these big ideas, we are also focusing on helping students learn the science skills of questioning, predicting, planning, conducting, processing, analyzing, evaluating, applying, innovating and communicating.

LIFE SCIENCES 11 (MLFSC11)

Prerequisite: Science 10 or Science 9/10 Honours

1. Introduction - safety, biochemistry, cells, classification
2. Evolution - evidence, theories
3. Microbiology - microscope, viruses, bacteria, protists
4. Mycology
5. Plant Biology (Botany)
6. Animal Biology (Zoology)
7. Ecology

LIFE SCIENCES 11: HONOURS/PRE-AP (MLFSC11H)

Prerequisite: Science 10 or Science 9/10 Honours (75% or above)

This course is designed to be the first year of the two-year Advanced Placement program in Biology, and together with AP Biology 12 is equivalent to a first-year university course in Biology. Life Sciences 11: Honours/Pre-AP as a stand-alone course is not an AP course and students do not write an AP exam nor receive an AP credit for this course. The course focuses on cell structure and function, the molecular basis of life, ecology, enzymes, photosynthesis, cellular respiration, and ecology. Tying these concepts together is the role evolution plays in the formation of the diversity of organisms found in the past and present. Students enrolling in Life Sciences 11: Honours/Pre-AP are also making a commitment to enroll in AP Biology 12 in the following school year.

ANATOMY AND PHYSIOLOGY 12 (MATPH12)

Prerequisite: Life Sciences 11 or Chemistry 11

This course presents an intensive survey of human biology at the organ system, tissue, cellular and molecular level. This course is an academically approved Grade 12 courses for post-secondary admissions.

1. Methods and principles - experimental design, homeostasis
2. Cell biology – biochemistry, DNA and cells
3. Human biology - form, function & physiology of human systems

AP BIOLOGY 12 (ABIO-12)

Prerequisite: Life Sciences 11: Honours/Pre-AP

This course is the second year of the two-year Advanced Placement program in Biology. The course focuses on evolution, genetics, the diversity of life on earth (microbiology, invertebrates, plants), human anatomy and physiology and biotechnology. There is an optional four-day field trip to Bamfield Marine Sciences Centre. Students will have the option to write the AP Biology exam in May (approximate fee \$135). If a student scores a 4 or 5 on the exam, they have the option to receive credit for a first-year university course. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

CHEMISTRY 11 (MCH--11)

Prerequisite: Science 10 or Science 9/10H. It is recommended that a Mathematics 11 be taken concurrently

1. Introduction - safety, measurement
2. Atoms, molecules and ions
3. Mole Concept - molarity
4. Chemical Reactions - balancing, stoichiometry
5. Atomic Theory
6. Solutions
7. Organic Chemistry

CHEMISTRY 11: HONOURS/PRE-AP (MCH--11H)

Prerequisite: Science 10 or Science 9/10H (75% or above), recommended that a Mathematics 11 be taken concurrently

This course is designed to be the first year of a two-year Advanced Placement Program in Chemistry. Chemistry 11: Honours/Pre-AP as a stand-alone course is not an AP course and students do not write an AP exam nor receive an AP credit for this course. This course together with AP Chemistry 12 will cover all the theoretical content and practical laboratories covered in BC Chemistry 11, BC Chemistry 12 and first-year College Chemistry. Students in Chemistry 11: Honours/Pre-AP will cover the normal Chemistry 11 coursework at a slightly faster pace, with additional topics from the college level chemistry course integrated into appropriate points of the curriculum. Students enrolling in Chemistry 11: Honours/Pre-AP are also making a commitment to enroll in AP Chemistry 12 in the following school year.

CHEMISTRY 12 (MCH--12)

Prerequisite: Chemistry 11. It is recommended that a Math 12 be taken concurrently. This course is an academically approved Grade 12 courses for post-secondary admissions.

1. Reaction Kinetics
2. Chemical Equilibrium
3. Solubility Equilibrium
4. Acids, Bases and Salts
5. Oxidation-Reduction

AP CHEMISTRY 12 (ACHE-12)

Prerequisite: Chemistry 11: Honours/Pre-AP. It is recommended that a Mathematics 12 be taken concurrently.

This course is designed to be the second year of a two-year Advanced Placement program in Chemistry. This course, together with Chemistry 11: Honours/Pre-AP will have covered all of the theoretical content and practical laboratories covered in BC Chemistry 11, BC Chemistry 12 and first-year College Chemistry. Students will have the option to write the AP Chemistry exam in May (approximate fee \$135). If a student scores a 4 or 5 on the exam, they have the option to receive credit for a first-year university course. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

SCIENCE FOR CITIZENS 11 (MSCCT11)

Prerequisite: Science 10 and in Grade 11 or 12

How true is CSI? Can we predict tornados and earthquakes? Could Siri be dangerous? Science for Citizens is a course that looks at science in everyday life and will answer these, and many other questions about the world around us. This class gives students the opportunity to examine the impact of science on individuals, society, and the environment. Potential topics include forensic science, extreme weather events, personal technology, fake news, nutrition and medical advances and energy and sustainability.

SPECIALIZED SCIENCE: ASTRONOMY 12 (MSPSC12)

Prerequisite: Science 10 or Science 9/10 Honours and in Grade 11 or 12

This course is designed to be an introduction to some of the current and emerging aspects of space and space exploration. The students will focus on star mapping, the celestial sphere, the space race and current exploration of the solar system, a historical study of the early astronomers, life cycles of the stars, theories around the origin of the universe, a study of Mars and the possibility of terraforming its surface and the latest research and theories related to life in the universe.

ENVIRONMENTAL SCIENCE 12 (MEVSC12)

Prerequisite: Science 10 or Science 9/10 Honours and in Grade 11 or 12

Do you ever wonder about the safety of our water? Do you think that global warming is the cause of BC's extreme weather? Could space solar power be the solution to our energy crisis? Environmental Science 12 looks at these questions and allows students to think critically about environmental issues and possible solutions. Students will participate in unique classroom and off campus experiences. Students will learn through a variety of methods like classroom discussions and hands-on field work. This course is an academically approved Grade 12 courses for post-secondary admissions.

PRINCIPLES OF PHYSICS 11 (MPH--11)

Prerequisite: Science 10 or Science 9/10H and Foundations of Math 10

This is an introductory physics course, focusing on the fundamentals of mechanics (motion, forces, and energy) as well as the applications of energy to electric circuits. Students can also choose to study additional topics of interest, working individually or in small groups. These optional topics include Wave Behaviours (Doppler Effect, Diffraction, and Interference), Optics (applied to lenses), and Einstein's Theory of Special Relativity.

PRINCIPLES OF PHYSICS 12 (MPH--12)

Prerequisite: Principles of Physics 11 and Pre-Calculus 11

This is a more advanced Physics course that builds on concepts developed in Grade 11. Topics include Vector Mechanics (Kinematics, Dynamics, Conservation Laws, Circular Motion, and Gravitation). Students can also choose to study additional topics of interest, working individually or in small groups. These optional topics include Electrostatics, Equilibrium, Cosmology, Advanced Electric Circuits, Rotational Motion, Electromagnetism, and Quantum Mechanics. This course is designed to help students develop academic skills that will better prepare them for the college and university experience in Sciences or Engineering. This course is an academically approved Grade 12 course for post-secondary admissions.

AP PHYSICS 1 (APHH-11)

Prerequisite: Science 10, Foundations of Math 10, and English Language Arts 10 (B average of above) with Pre-Calculus 11 recommended concurrently

The first of *two* Advanced Placement courses - covering all topics in Physics 11, Physics 12, and first year university Physics. Topics include Vector Mechanics (Kinematics, Dynamics, Conservation Laws, Rotational Motion, and Circular Motion), Electricity, and Wave Behaviour. Students will also have an opportunity to develop academic skills that will better prepare them for the college and university experience in Sciences or Engineering. Note: students in AP Physics 1 receive credit for *two* courses: Physics 11 and AP Physics 1 for a total of eight credits.

AP PHYSICS 2 (APHH-12)

Prerequisite: Pre-Calculus 11, AP Physics 1 or Principles of Physics 12

The second of *two* Advanced Placement courses - covering all topics in Physics 11, Physics 12, and first year university Physics. Topics include Thermodynamics, Fluid Dynamics, Advanced Electricity and Magnetism, Optics, Nuclear Physics and Quantum Mechanics. Students will have the option to write the AP Physics 1 *and* AP Physics 2 exams in May (approximate fee is \$135 per exam). Depending on their exam scores, students can earn credit for a first-year university physics course (algebra-based). Please note: students in AP 2 receive credit for *two* courses: Physics 12 and AP Physics 2 for a total of eight credits. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

SOCIAL SCIENCES

PSYCHOLOGY 12 (YPSYC2A)

Prerequisite: in Grade 11 or 12

Psychology 12 provides information relating to issues that all individuals encounter not only in themselves, but also in their relationships with others. Students will acquire insight into the complex determinants of behaviour and develop an appreciation of and understanding for individual differences. The core curriculum of Psychology 12 includes topics such as perspectives of psychology, the brain, motivation, stress, emotions, humour, perception, learning, developmental psychology, personality, abnormal psychology, and sexual motivation. Other areas selected for study will include those considered important in today's society, as well as meaningful for students in the course. This course is not an academically approved Grade 12 course for post-secondary admissions. This course does not meet the Science 11 or Social Studies 11 graduation requirements.

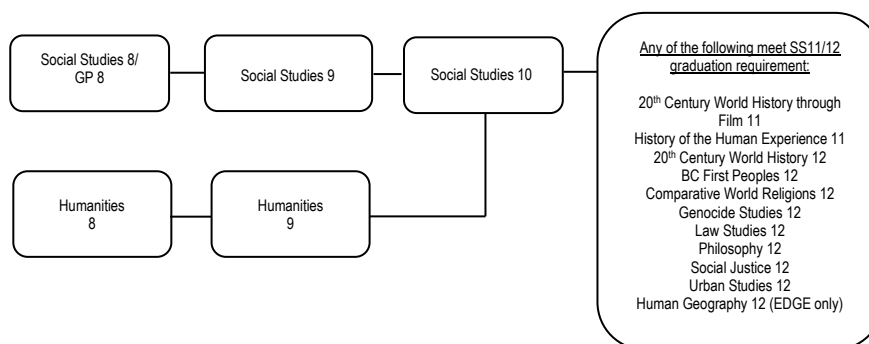
AP PSYCHOLOGY 12 (APSY-12)

Prerequisite: Life Sciences 11 and Anatomy and Physiology 12 (can be taken concurrently) or permission of instructor

This course does not meet the Science 11 or Social Studies 11 graduation requirements.

It is intended for students who are interested in advanced placement standing which is equivalent to a first-year psychology course at a university level. AP Psychology will introduce students to the systematic and scientific study of the behaviour and mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. These include biological bases of behaviour, social psychology, sensation and perception, learning, cognition, motivation and emotion and abnormal psychology. Students will also learn about the methods psychologists use in their science and practice. The natural focus of taking the AP Psychology course is writing the AP Psychology exam in May (approximate fee \$135). If a student scores a 4 or 5 on the exam, they have the option to receive credit for a first-year university course. All AP courses are academically approved Grade 12 courses for post-secondary admissions.

SOCIAL STUDIES DEPARTMENT



HUMANITIES 9

Prerequisite: ELA 8, Social Studies 8, or Humanities 8

This course combines the learning outcomes from the Integrated Resource Packages (IRP) for ELA 9 and Social Studies 9. All outcomes from each course are covered in depth as both reading and writing skills are closely integrated in the historical context of the Regional Geography of North America, the age of Political and Economic Revolution in Europe and North America, the Industrial Revolution, and Canada up to the 1880's. In addition to exploring the topics of literature, poetry, and writing, students will use the processes and skills in the English curriculum to demonstrate knowledge of the Social Studies content. Students will develop a variety of skills, including critical thinking, reading comprehension, essay writing, the mechanics of writing, and the use of media.

SOCIAL STUDIES 9 (MSS--09)

Prerequisite: Social Studies 8

Social Studies 9 focuses on the historical development of the Americas and of Europe from 1750 to 1914. Students study the development of Canada through the lenses of colonization, revolutions, and industrialization. Students will study the social, economic and political factors that influenced the birth of Canada as a nation and its emergence on the world stage. They also continue to develop skills in analyzing sources of information, writing, research and geography.

SOCIAL STUDIES 10 (MSS--10)

Prerequisite: Social Studies 9

Social Studies 10 is the study of Canada and World from 1914 to the present. Students analyze the various social, economic, political, geographic and global influences that have shaped Canadian identity. They also continue to develop skills in analyzing sources of information, writing, research and geography.

SENIOR SOCIAL STUDIES OPTIONS

Changes to the Graduation Program have opened up many options for senior Social Studies courses. Students are required to take four credits of senior Social Studies to graduate and can take more as electives, for overall credits, general interest, or to meet post-secondary plans. The courses listed below can meet those goals. Note: For Grade 12 courses, you must be in Grade 11 or 12.

EXPLORATIONS IN SOCIAL STUDIES 11: 20th CENTURY WORLD HISTORY THROUGH FILM

(MEPSS112C)

Prerequisite: Social Studies 10

This course will focus on socio-political issues in the 20th century. It is designed as an introductory or “appetizer” course leading to several Grade 12 courses in Social Studies. This course analyses 20th century world history through the lens of film makers and documentarians. Students are introduced to a variety of historical perspectives that have shaped the world we live in while using film as the vehicle to explore these topics. This unique perspective will awaken the learner and allow the student to engage and understand that film is a powerful medium used to share our stories and our history. Further, students will learn to view history-based films with a critical lens. How do we know that the story we are viewing is factual? Are directors obligated to be truthful in their retelling of historic events? This course will complement 20th Century World History 12, Social Justice 12, and Law Studies 12. Students taking this course will require parental permission as some films and materials are rated R for mature audiences due to the content covered in the course. Students may choose this course **or** History of the Human Experience 11, but not both.

EXPLORATIONS IN SOCIAL STUDIES 11: HISTORY OF THE HUMAN EXPERIENCE 11

(MEPSS11HE)

Prerequisite: Social Studies 10

Through this course, we will be exploring colonial world history and the effects of that history on our world today. Students will have opportunities to research and analyze the causes and consequences of the legacy of injustices committed against women, Indigenous Peoples and the natural environment. Students will think about this history from multiple perspectives in hopes of creating empathy and an understanding of the significance of how these issues are interconnected and how the actions of the individual can transform current systems. This course will complement BC First Peoples 12, Social Justice 12, and Human Geography 12. Students may choose this course **or** 20th Century World History Through Film 11, but not both.

20th CENTURY WORLD HISTORY 12 (MWH--12)

Prerequisite: Social Studies 10 and in Grade 11 or 12

20th Century World History investigates the birth of Communism, WWII, the Holocaust, and the Arab-Israeli conflict in the Middle East. Students can expect personalized self-directed learning, choices to ignite learning, opportunities for critical thinking, and collaborative group work. Technology is infused into the course to help bolster these 21st century skills. Students will come to know some of the titans of the 20th century including Adolf Hitler, Joseph Stalin, Rasputin, Mohandas Ghandi, and Nelson Mandela. Students enrolled in this course should expect minimal instruction associated with textbooks. Instead, students should expect to learn using role play, skits, debates, and mock trials. This course is an academically approved Grade 12 courses for post-secondary admissions.

BC FIRST PEOPLES 12 (MBCFP12)

Prerequisite: Social Studies 10 and in Grade 11 or 12

BC First Peoples is a Grade 12 course that will use a range of methodological approaches fused with social studies inquiry processes and skills to address the Big Ideas. This course will draw from the diverse traditional territories of the BC First Peoples to explore themes of renewal, sustainability, transformation and connection to the land. Literary texts are used to explore the cultural richness, diversity and resiliency of the BC First Peoples while simultaneously assessing the impact of colonialism and how it continues to affect the political social and economic lives of First Peoples in BC. There will also be an overarching theme of resistance to ongoing colonialism through self-governance, leadership, and self-determination. This course will draw from political, historical, and contemporary relationships between people and place (cause and consequence) in order to identify authentic perspectives and make ethical judgments. This course is an academically approved Grade 12 courses for post-secondary admissions.

COMPARATIVE WORLD RELIGIONS 12 (MWRL-12)

Prerequisite: Social Studies 10 and in Grade 11 or 12.

This course follows the Social Studies inquiry model to explore world religions. Religion is one of the most common aspects of human societies. We will trace the historical development of the world's major religions to compare beliefs and understand better the diverse global culture and people of the world. We will study religious belief across place and time to examine the ways that religion can influence social, political, legal and environmental values. Through spiritual texts, artifacts, art, architecture, and story, we will try to understand faith as a way of knowing with a specific emphasis on indigenous beliefs. This course is an academically approved Grade 12 courses for post-secondary admissions.

GENOCIDE STUDIES 12 (MGENO12)

Prerequisite: Social Studies 10 and in Grade 11 or 12

This course will examine case studies of the intentional destruction of peoples and their cultures and explore how these movements can be disrupted and resisted. We will study the use of the term “genocide” to describe atrocities, exploring the political, legal, social, and cultural consequences. We will come to understand that despite international commitments to prohibit genocide, violence targeted against groups of people or minorities has continued to challenge global peace and prosperity. Major topics include the causes of, responses to, resistance to, and methods of remembering events of genocide. This course may appeal to mature students interested in a cross-curricular look at history as we bring in ideas from psychology, sociology, political science, economics, literature and film to help understand genocide. This course is an academically approved Grade 12 courses for post-secondary admissions. Students taking this course will require parental permission as some films and materials are rated R for mature audiences due to the content covered in the course.

LAW STUDIES 12 (MLST-12)

Prerequisite: Social Studies 10 and in Grade 11 or 12

Law 12 explores Canadian law with a focus on legal issues that are relevant to people's everyday lives. Students will investigate fundamental legal concepts as we learn about our legal roots, Civil Law (Contract, Family, Tort, etc.), Criminal Law and our legal rights and responsibilities. Students will use critical-thinking, inquiry and communication skills to develop informed opinions on legal issues and apply this knowledge in a variety of ways including case studies, research, mock trials and debates. This course is an academically approved Grade 12 courses for post-secondary admissions.

PHILOSOPHY 12 (MPHIL 12)

Prerequisite: Social Studies 10 and in Grade 11 or 12

Socrates encouraged us to “Know Thyself.” Philosophy 12 is a course designed to introduce the basic ideas and methods of major world philosophies. Students will focus on topics such as the Nature of Reality, Limits of Knowledge, Ontology, Epistemology, Morality, and Justice. The discipline of philosophy builds higher level thinking skills, sophisticated reading skills and effective written and oral communication skills. These skills are highly transferable to other disciplines and learning environments, including the exercise of our charter rights in a democracy like Canada’s. Emphasis is placed on well-informed thinking and intelligent, capable discussion (both written and oral) of the topics presented. Students are expected to participate in discussion, presentations, projects and written essays as we learn to process ideas that can have more than one right answer. This course is not an academically approved Grade 12 courses for all post-secondary admissions.

SOCIAL JUSTICE 12 (MSJ--12)

Prerequisite: Social Studies 10 and in Grade 11 or 12

Be the change! Challenge yourself to be an educated, fair and open-minded global citizen! Social Justice 12 allows students to explore and analyze social justice and human rights issues, past and present. Students will explore root causes of injustices and strive to develop practical solutions to a wide variety of issues, from discrimination and poverty to environmental crises in Canada and around the world. In this research and project-based course, students will have the opportunity to broaden their knowledge and understanding on a variety of issues and the people working on these issues. Students will be able to delve deeper into the topics, issues and solutions they are most passionate about. This course is an academically approved Grade 12 courses for post-secondary admissions. Students taking this course will require parental permission as some films and materials are rated R for mature audiences due to the content covered in the course.

URBAN STUDIES 12 (MURST 12)

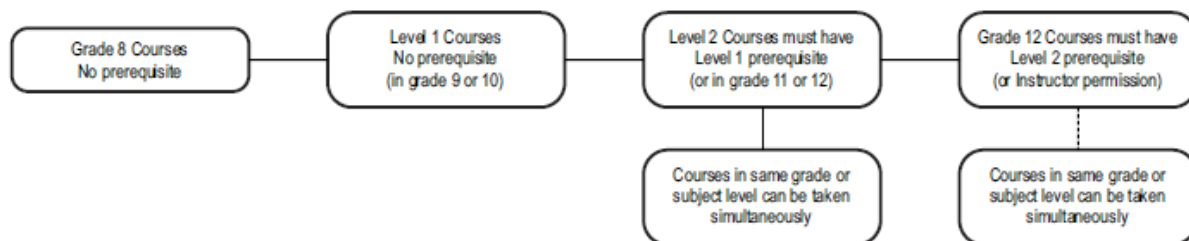
Prerequisite: Social Studies 10 and in Grade 11 or 12.

Urban Studies 12 is a great course for students interested in learning more about the interaction people have with their built environments. As Platt (2014) states, “For better or worse, our metropolitan complex is largely built; now we have to make it as bearable, sustainable, and humane as humanly possible” (p.10). This course provides an introduction to the origin of historic settlement patterns; the growth and processes of urbanization; and the impact of globalization on urban centers. It investigates societal issues common to urban environments including poverty, homelessness, substance abuse, criminality, environmental degradation (air and water quality, lack of clean water, waste-disposal issues) and deterioration of the built environment. It also provides an overview of urban renewal and city planning processes. If you are considering a career involved in urban planning, city design, sustainability, environmental design, architecture, social sciences, or even transportation then this course is an excellent fit for you. This course is an academically approved Grade 12 courses for post-secondary admissions.

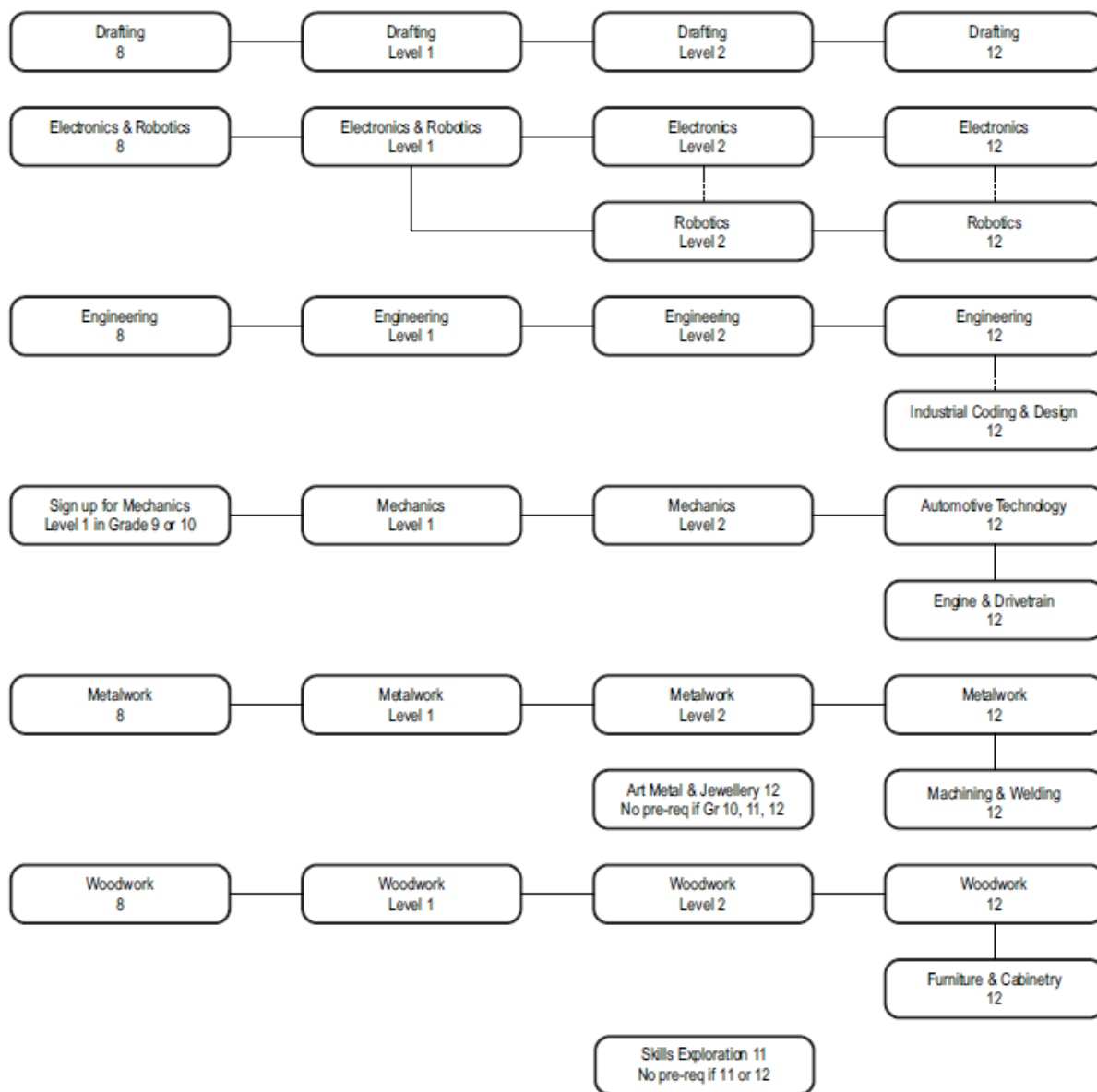
Platt, R. H. (2014). Reclaiming American cities: The struggle for people, place, and nature since 1900. IBT/ Hamilton, Inc.

TECHNOLOGY DEPARTMENT

Prerequisite Information



Courses



ENGINEERING LEVEL 1 (MTEXP10)

Prerequisite: in Grade 9 or 10

Engineering Level 1 will help students develop technological literacy through the use of tools, materials, and technology. Students will be challenged with a variety of projects designed to foster an engineering approach to problem solving. 3D printers, laser cutters, vacuum formers, and Arduino are but a few of the technologies that will be used. Engineering Level 1 will be of interest to students that enjoy working on creative solutions to problem solving. Grade 9 and 10 students will be registered in Level 1. Students will be eligible to register for Engineering Level 2 in subsequent years.

ENGINEERING LEVEL 2 (MENR-11)

Prerequisite: Engineering Level 1, or in Grade 11

This course is a continuation of Engineering Level 1. The Engineering Level 2 course will expand on concepts related to design, using different materials, tools, processes and technologies in product manufacturing. Major focuses of the course are an introduction to 2D Design leading into several projects such as a laser cut paintball catapult, gliders with a four-foot wingspan, VEX robotics and several design and build problems which are always a student favourite. The course is computer based and will involve the use of various software programs, such as AutoCAD, however, the course will continue to have a core focus of a hands-on building approach. Engineering Level 2 will be of interest to any students that want to develop and refine a design and engineering approach to finding solutions to real world issues and problems.

ENGINEERING 12 (MENR-12)

Prerequisite: Engineering Level 2, or in Grade 12

The Engineering 12 course is the culmination of the Engineering program at WGSS. Students will continue to be challenged with a variety of teacher and/or student directed projects. Major focuses of the course are on 2D and 3D design, 3D printing, Laser cutting, CNC engraving, VEX robotics, and several design and build problems which are always a student favourite. Projects will involve the use of various software programs, including AutoCAD and Inventor. Projects and design problems will include designing, laser cutting and 3D printing a robotic excavator arm, a VEX robotics challenge and building a laser cut safe/lock box with a functional lock. Engineering 12 will be of interest to any students that may want to pursue post-secondary education for careers such as, engineers and industrial designers and technologists. Please note that some universities (e.g. SFU) accept Engineering 12 as an academic course. Check specific university admissions department to be sure this course is recognized as an academic course for admission.

INDUSTRIAL CODING AND DESIGN 12 (MTICD12)

Prerequisite: Engineering 12

The Industrial Coding and Design 12 course is an extension of the Engineering program at WGSS. Students will continue to be challenged with a variety of teacher and/or student directed projects. Projects in the course will be focused on building and understanding the relationship between manufacturing and industrial production. Major focuses of the course are on 2D and 3D design, which leads into 3D printing, Laser cutting, CNC milling/engraving and coding Arduino and/ or robotics. The course will have a major focus on coding, looking at it from an analytical process, understanding machine code, machine set-up and machine tooling. Industrial Coding and Design 12 will be of interest to any students that may want to pursue post-secondary education for careers such as, engineers and industrial designers and technologists.

DRAFTING LEVEL 1 (MTDRF10)

Prerequisite: none, in Grade 9 or 10

Your basic understanding of technical drawing and design is about to be taken to the next level. Level 1 will focus on CAD (Computer Assisted Design) to begin to hone your ability to take your design ideas and put them into print and models. The goal of Drafting and Design is be able to take what is in your mind and create a set of drawings that someone could build your idea from.

DRAFTING LEVEL 2 (MTDRF11)

Prerequisite: Drafting Level 1

Let's get technical! Drafting and Design Level 2 will use all of your skills in CAD (Computer Assisted Design) to build the home of your dreams and various other challenges that focus on sustainable building practice, budget constraints and time lines. This course will focus on employable skills, getting you ready to build a portfolio that will get you a career in Architecture, Drafting and Design.

DRAFTING 12 (MTDRF12)

Prerequisite: Drafting Level 2

Using advanced Architectural design programs such as Fusion 360 and Revit, Drafting 12 will let you show your skills through a series of design challenges and Independent studies. This course will focus on building a portfolio to show to future employers, or for university entry requirements.

ELECTRONICS & ROBOTICS LEVEL 1 (MTEAR10)

Prerequisite: in Grade 9 or 10

This is a full year course for students who want to explore the exciting field of Electronics & Robotics. Students will look at the fundamentals of basic electronic circuits and key components: their device characteristics and behavioral patterns. Circuit analysis and trouble-shooting techniques will be covered to allow students to analyze them accordingly. This course will also focus on "Arduino": an open-source hardware and software electronics platform, which continues to fuel a world-wide community of electronics engineers. Robotic theory and construction skills will be taught to allow students to participate in in-school and out of school competitions like the Skills Canada Sumo-Robotic Challenge.

ELECTRONICS LEVEL 2 (MTELE11)

Prerequisite: Electronics & Robotics Level 1 or in Grade 11 or permission of instructor

This course builds on the skills learned in the Electronics & Robotics Level 1 course, with a greater focus towards digital electronics and programmable integrated circuits. Students will improve on their ability to read schematic diagrams, wiring diagrams, troubleshooting circuitry and on designing and developing printed circuit boards. Alternating current theory will be combined with residential wiring labs, where students will install common electrical devices and circuits in accordance with the Canadian Electrical Code. Note: projects and theory topics are dependent upon skill level and prior electronics experience.

ELECTRONICS 12 (MTELE12)

Prerequisite: Electronics Level 2 or Robotics Level 2 or permission of instructor

Electronics 12 is an advanced course in Electronics/Electrical theory and project construction. Students will be required to complete projects in areas of their own interest. Many exciting opportunities present themselves at this level, such as advanced electrical wiring techniques in the field of security and/ or fire alarm systems or creating mind-blowing electronics projects with the ever-popular Arduino, an advanced open-source electronics project prototyping platform. Electronics 12 provides an excellent learning opportunity for those contemplating a career in either the Electronics or Electrical Trades.

ROBOTICS LEVEL 2 (MTROB11)

Prerequisite: Electronics & Robotics Level 1 or in Grade 11 or permission of instructor

Do you want to change the world? Are you imaginative or innovative? Do you want to work with technology? Do you want to build robots, design code, or work in teams? Look no further. This is a hands-on course where students will have the opportunity to design, build, and program robots. Students will have the choice of competing as teams in the VEX robotics league(s), where teamwork and interpersonal skills will be strengthened in a fast-paced environment or compete in-class by building and programming "Smart Robot Cars." These smart cars are Arduino controlled robots that will teach students about motor driver boards, line tracking modules and various sensors that allow them to operate in autonomous and/or driver control modes.

ROBOTICS 12 (MTROP12)

Prerequisite: Electronics Level 2 or Robotics Level 2 or in Grade 12 or permission of instructor

Create. Build. Amaze! This course provides an excellent learning experience for those contemplating a career in the exciting field of Robotics. This is a fast-paced, hands-on course that extends the opportunity of designing, building, and programming robots. Students will have the opportunity to compete in class, but also within the VEX robotics league. Depending on resources, students may also have the option of a designing, building and coding robots in conjunction with the First Robotics League.

MECHANICS LEVEL 1 (MTPOW10)

Prerequisite: none, in Grade 9 or 10

Tired of walking? Do you want to take advantage of all the different forms of power we have at our disposal to move us from place to place? Mechanics Level 1 is an introduction into the internal combustion engine, (students will have an opportunity to disassemble and reassemble entire engines), electric motors, and all the other crazy inventions humanity has come up with to move us from point A to B. You will even have the opportunity to construct a vehicle of your own.

MECHANICS LEVEL 2 (MTAUT11)

Prerequisite: Mechanics Level 1 or in Grade 11

This mechanics course in which students will continue to learn about engines, including service and repair. Along with engine theory and labs, students will also start working on vehicles, performing tasks such as changing a tire, doing an oil change, brake inspections and much more. The course may also cover alternative fuels/energies, other types of engines, hydraulics and aerodynamics. Mechanics Level 2 is for those who enjoy working with their hands, problem solving, and repairing mechanical devices.

AUTOMOTIVE TECHNOLOGY 12 (MTAUT12)

Prerequisite: Mechanics Level 2

Automotive Technology 12 is designed for students interested in auto repair and for students who wish to enter one of the many trades related to the automotive or transportation fields. This course covers: proper care and use of tools and shop equipment; chassis lube and maintenance; brake systems; manual and power steering; suspension systems; automotive engines and power train basics; proper diagnostic procedures for troubleshooting and repair; and automotive parts and ordering procedures.

ENGINE AND DRIVETRAIN 12 (MTEAD12)

Prerequisite: Mechanics Level 2

This course focuses on the power train of old and new vehicles. Students will inspect, service, and maintain engines, engine support systems and drive line components. This course is for those who want to get serious into a career in the automotive world.

METALWORK LEVEL 1 (MTMET10)

Prerequisite: none, in Grade 9 or 10

In this class students learn techniques that are commonly used in the metal fabrication industry. Develop your technique with hand tools and become more familiar with power tools as you complete a number of small projects. Particular attention will be paid to proper fabrication and finishing techniques. Several small projects will be assigned, and different techniques will be discussed over the course of the class.

METALWORK LEVEL 2 (MTMET11)

Prerequisite: Metalwork Level 1 or in Grade 11

After learning the fundamentals come take on more involved projects and designs in this course. This class is designed to offer students specialized skills that are used in the metal fabrication industry and can be applied to either practical or creatively inspired projects. Students will take on the plasma cutter, the machinist's lathe, the break, finishing techniques and of course brushing up on your welding skills.

METALWORK 12 (MTMET12)

Prerequisite: Metalwork Level 2

Take your concept from a sketch to a finished piece. You will learn about proper layout techniques, structural basics, and efficient production methods, and how to use the specific equipment needed to turn your design into reality. You will be given the tools and encouragement you need to tackle your most challenging ideas.

Develop your basic blacksmithing skills and learn techniques such as scroll making, basic tool making and heat-treating. In the WGSS foundry, you can learn all the steps that go into making a piece of cast metal. Students will learn to effectively communicate by reading and creating sketches of an object in several views.

This class is an opportunity to become familiar with a number of forming processes such as: cutting, pressing, rolling, stamping, bending, and etching while completing a number of projects.

MACHINING AND WELDING 12 (MTMAW12)

Prerequisite: Metalwork Level 2 or combined with Metalwork Level 2

In the machine shop you'll learn the capabilities and scope of the milling machine and the lathe, which are the cornerstones of a machine shop and among the most complicated tools to operate. With these two tools, you can make almost anything out of metal with precision and accuracy.

We focus on four different kinds of welding: oxyacetylene gas welding, arc or stick welding, metal inert gas (MIG) welding and tungsten inert gas (TIG). This class will inspire and guide you to the type of welding most appropriate to the project you want to complete or the direction you want to go.

ART METAL & JEWELRY 12 (MTAMJ12)

Prerequisite: in Grade 10, 11, or 12. No Metalwork experience necessary.

Whether you are a beginner or an experienced craftsperson, our jewelry program is the place for you. This class will help you stretch your creative mind beyond the basics to transform your personal visions for your work into reality. Metal art promotes creative expression, reuse of materials, and innovative design. Grade 11 students will be eligible to register for Metalwork 11 upon the successful completion of the course.

WOODWORK LEVEL 1 (MWWK-10)

Prerequisite: in Grade 9 or 10

Woodwork Level 1 is an introductory program that involves various aspects of wood technology and cabinet construction. Students will gain the skills, knowledge and experience with both hand tools and machines to safely design and construct several projects. Emphasis will be given to shop safety, designing with wood, wood properties, construction and joinery techniques and wood finishing. Woodworking Level 1 sets the foundation for future woodworking programs.

WOODWORK LEVEL 2 (MWWK-11)

Prerequisite: Woodwork Level 1 or in Grade 11 or 12

Woodwork Level 2 is an extension of the knowledge and skills learned in Woodwork Level 1. Grade 11 or 12 students may enroll without any prior experience. Students will have the opportunity to understand the maintenance and operation of tools and equipment and the use of assorted materials and finishes. This experience will enable students to design, build and appreciate the benefits of creating projects constructed from wood. Students will start with a small project to develop the skills needed before commencing a major furniture project. Essential project materials are provided to the students to meet the course's learning outcomes. Optionally, students may purchase additional supplies if they would like to upgrade the materials and/or complexity of their projects.

WOODWORK 12 (MWWK-12)

Prerequisite: Woodwork Level 2

Woodwork 12 is intended to offer the necessary knowledge, skills and attitudes expected by employers and post-secondary institutions. Students will learn advance woodworking skills and techniques covering all tools and machines found in a cabinet shop. Advanced theory of cabinet construction will be covered throughout the year and will include measurement and layout tools, material calculations, material identification, advanced hand tool and power tool techniques, basic and advanced cabinet construction, fasteners, and product finishing. Students will be encouraged to research and build a major take-home project or a multiple of smaller projects. Costs: Project materials provided to the students to meet the outcomes of the course. Students may wish to pay for additional supplies if they would like to upgrade the quality of materials and size of the projects to fit their own specific needs.

FURNITURE AND CABINETRY 12 (MTFAC12)

Prerequisite: Woodwork Level 2 or combined with Woodwork 12

Furniture and Cabinetry 12 can be taken after Woodwork 12 or simultaneously with Woodwork 12. Furniture and Cabinetry 12 is for woodworking students that are looking to further their skills either as a hobby or potential career in the woodworking industry. Students will read drawings and operate woodworking machines to cut and form parts designed for cabinets or furniture projects. Students will be required to operate all hand tools, including portable and stationary woodworking machines including the laser cutter/engraver before the completion of the course. Costs: Project materials provided to the students to meet the outcomes of the course. Students may wish to pay for additional supplies if they would like to upgrade the quality of materials and size of the projects to fit their own specific needs.

SKILLS EXPLORATION 11 (MSTX-1A)

Prerequisite: in Grade 11 or 12 or with teacher permission

This introductory course is designed for those students looking towards a future in the construction industry. The primary focus will be on the development of skills, attitude, and knowledge to be successful in the trades. Trades to be covered will be Carpentry (framing), Plumbing, Electrical, and Finishing (painting, tile work). Participation in this course will prepare students for work experience and apprenticeship opportunities. The course will serve as a strong foundation for students considering Langley School Districts' Youth Train in Trades programs. Other trades may be covered based on student interest.

You will find detailed information about Walnut Grove Secondary School on our website, www.wgss.ca. Please go to wgsscounselling.weebly.com to find out more about:

- ☐ Course Planning Guide
- ☐ Course Request forms and course codes
- ☐ Scholarship Handbook
- ☐ Scholarship information
- ☐ 'Grade 12 at a Glance'
- ☐ Career development information
- ☐ Links to Post Secondary Institutions
- ☐ Grad Newsletter



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