Following are descriptions of each of the courses offered at WJ Mouat. They are organized by department and grade. To navigate the document, you can use the links in the Table of Contents to move directly to a specific department. Courses are listed in order of grade level, but you are able to select courses outside your current grade. Read each description to see what courses you are eligible to choose.

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GRADE 9

Art Metal 9
This ART-METAL course explores the artistic nature of metals. Aluminum, Copper and Silver will be used to make jewelry, stain glass, ornaments, and artifacts. Custom rings can be designed and cast in sterling silver. A variety of processes such as welding, blacksmithing and casting will be used to create everything from sculptures to coffee tables. Students will explore metal as a medium of personal aesthetic expression, develop skills and a technical competency in working with metal, be introduced to creative and technical experimentation and begin to expand awareness of historical and contemporary movements in metal.
Drafting 9
Design your own cars, jets, houses or jewelry, with the latest 3D Autodesk Inventor software. Take your models home after printing them in the 3D printer. This course will be an introductory course using the latest current industry standard 3D modeling software used by engineers, architects and designers. The focus of this course will be creative problem solving and personal design.

Food Studies 9
Foods & Nutrition 9 is an introductory course for students to develop an interest and enjoyment of food. Students will be given the basic principles of: food preparation/cooking techniques; quick breads/yeast breads; breakfast, lunch, dinner, desserts, and seasonal baking. In addition, and in conjunction with the Canadian Food Guide, students will also learn to make healthy eating choices. As a result, basic and practical skills are developed which will enable students to comfortably enjoy the more advanced food courses.

Metalwork 9
Introductory course in metal work. Students will experience metal art, jewelry design, CNC plasma cutting, decorative metal work and welding. Heavy emphasis will be placed on safe work practices and use of tools in this introductory course. Students will work both individually and in teams through various workstations.

Textiles 9
Develop clothing construction skills in this course while learning to create unique clothing yourself. Course projects will be determined by students in consultation with teacher. Note: Basic patterns, fabric and notions will be supplied. Most students will want to personalize the course and should expect a cost of $40-$100.

Woodwork 9
This is an introductory woodworking course providing students with the opportunity to use the latest woodworking equipment and computer-controlled machines (CNC). Safe use of hand and power tools will be heavily emphasized. Being a project-centered course, students will make a variety of projects such as skateboards/longboards, candle holders, picture frames, yoyos, pens, bowls, cups, jewelry boxes, household furniture, gumball machines.

Youth work in Trades 9- Women in Tech 9
This is an introductory course that will introduce female students to jewelry making, woodworking, art metal, and computer-controlled machines (CNC). Being a project centered course, the students will make a variety of projects such as jewelry, candle holders, picture frames, yoyos, pens, bowls, goblets, jewelry boxes, stained glass, CNC made signs.

GRADE 10
Drafting 10
Open to all grade 10 students.
Level 1: Design your own cars, jets, houses or jewelry, with the latest 3D Autodesk Inventor software. Take your models home after printing them in the 3D printer. The focus of this course will be creative problem solving and personal design.

Level 2: In this course we will build on skills learned in Level 1. While the focus of this course is individual design and interest, students will learn to formalize technical drawings. Learn the latest 3D Inventor software. There is a growing demand for students with skills in 3D modeling in the fields of Architecture, Engineering, Interior Design and Construction.

Electronics and Robotics 10
An introductory course that allows students to explore the areas of design, electronics and robotics. Students will refine prototypes and compete in design challenges. In this course students must come up with solutions to
the design challenges they are given. Students will explore electrical theory using parallel and series circuits, production of simple circuits from schematic drawings, measurement using diagnostic and testing Instruments, function and use of hand tools and operation of stationary equipment, sequences involved in making a functional robot, block-based coding or logic-based programming for robotics flow charts related to robotics behavior.

**Food Studies 10**
This course is designed to further develop skills learned in Food Studies 9 and introduces Grade 10 students to more advanced techniques in food preparation, planning and meal presentation. Students will also learn about food-borne illnesses, food choices and nutrition. A variety of foods will be prepared such as flour tortillas, crepes, French bread, soups, pizza and the list goes on.

**Living and Learning with Character 10**
Mandatory for all grade 10 students.
Good character is the foundation of a strong and healthy school culture. The focus of this course will be to introduce students to the Mouat School of Character values: respect, responsibility, integrity, caring, awareness, and teamwork. In this blended course, work will be completed online, through guest speakers and school assemblies.

**Metalwork 10**
Introductory course in metal work. Students will experience metal art, jewelry design, CNC plasma cutting, decorative metal work and welding. Heavy emphasis will be placed on safe work practices and use of tools in this introductory course. Students will work both individually and in teams through various workstations.

**Power Technology 10**
Examines the diverse sources of power which include internal and external combustion engines. The disassembly, inspection, repair and successful reassembly of small two and four stroke engines will enable the student to gain proficiency with safe use of hand tools and with theory and operation. This will be expanded upon to include preventive maintenance and basic operational theory of the automobile. Students are expected to supply their own project work for credit in this course.

**Textiles 10**
Develop clothing construction skills in this course while learning to create unique clothing for yourself. Course projects will be determined by students in consultation with the teacher. Note: Basic patterns, fabric and notions will be supplied. Most students will want to personalize the course and should expect a cost of $40-$100.

**Woodwork 10**
Open to all grade 10 students. Woodwork 10 will provide students with the opportunity to use the latest woodworking equipment and Computer Controlled Machines (CNC). Safe use of hand and power tools will be heavily emphasized. Being a project centered course, students will make a variety of projects such as skateboards and longboards, candle holders, picture frames, yoyos, pens, bowls, cups, jewelry boxes, household furniture (side tables, coffee table, entertainment stand), and CNC design signs and projects.

**Yearbook 10 Extended Day**
Course provides practical experience for journalism by introducing all phases of yearbook production. Throughout the year, students will be expected to master fundamentals of layout and design techniques for yearbook production. The class will be responsible for producing the school's yearbook and every member of the class will be expected to contribute. Assessment will be based on regular attendance/commitment and the ability to function as part of a team.

GRADE 11
Automotive Technology 11
Recommended: Gr. 11 or 12 student Introductory course designed to enable students to achieve a good understanding of fundamental concepts of the automobile. You will learn the basics in car maintenance including oil changes, tune-ups, brakes, tires, exhaust and computer diagnostic testing. Yes, you need to get a little dirty at times, but that’s part of the process. Students are encouraged to work on their own vehicles when possible. We start with the basics in shop safety and tools and move up from there, so if you know absolutely nothing then you’re at the right place.

Cafeteria Training 11
Counsellor permission required.
This class is offered to Grade 10, 11 or 12 students who have an interest in assisting students and the teacher in a food related setting. Students will provide assistance in cafeteria food preparation and service. Students must be prepared to work during some lunch times with time off provided.

Culinary Arts 11
Recommended: Signature permission from previous foods teacher, and Foods 9 with a minimum grade of “C”. This course provides a hands-on experience for furthering students’ knowledge of the fundamental concepts, skills, and techniques involved in basic cookery. Emphasis is placed on practical applications of meat identification/fabrication; butchery and cooking techniques/methods; appropriate vegetable and starch accompaniments; compound sauces; plate presentation; breakfast cookery, food preparation; and baking. Upon completion, students should be able to demonstrate a basic proficiency in the preparation of entrees, baked items and appropriate accompaniments.

Drafting 11
Open to all grades 11 & 12
Level 1: Design your own cars, jets, houses or jewelry, with the latest 3D Autodesk Inventor CAD software. This course will be an introductory course using the latest current industry standard 3D modeling software used by engineers, architects and designers. The focus of this course will be creative problem solving and personal design

Level 2 & 3: In this course we will build on skills learned in Level 1 & 2. While the focus of this course is individual design and interests, students will learn to formalize designs and technical drawings. Learn computer programs such as Inventor, Revit or AutoCAD. Learn to take your computer designs and build them with CNC mills. Explore different software, tools, and materials used in computer manufacturing. This is an excellent course for those who are looking at careers in Engineering, Architecture or Construction Trades.

Food Studies 11
This course is designed to further develop skills learned in Food Studies 9 and introduces Grade 10 -12 students to more advanced techniques in food preparation, planning and meal presentation. Students will also learn about food-borne illnesses, food choices and nutrition. A variety of foods will be prepared such as flour tortillas, crepes, French bread, soups, pizza, and the list goes on.

Graphic Production 11-Vinyl Graphics
Introductory class. Students will learn about the industry of sign and graphic making using state of the art technology vinyl cutters, laser engraver, large format printers and Signlab software. Learn how to make vinyl cut signs, vehicle graphics, banners, posters and stickers. For students wanting to earn extra income there are employment opportunities and work experience available within the community and within the class

Metalwork 11
An introductory course in metal work. Students will experience sheet metal, CNC plasma cutting, decorative metal work and welding. Heavy emphasis will be placed on safe work practices and use of tools in this introductory course. Students will work both individually and in teams through various workstations. Students will be introduced to the growing opportunities in employment in related fields.
Peer Tutoring 11
Recommended: Gr. 11/12 students with an 80% average. Regular attendance, integrity, initiative, and punctuality are requirements. Peer tutors learn about individual academic, social, and cultural differences; study a variety of approaches and skills to assist their tutees' learning; practice self-assessment and reflection; develop communication, interpersonal relationship, leadership, and conflict management skills. Activities include creating lesson plans, teaching lessons, and analyzing learning styles. Tutors must be cooperative, enthusiastic, hardworking, and willing to learn new course content. Students need an application form from their counsellor, or they may download the “Peer Tutoring Application Form”.

Student Leadership 11 Extended Day
This course allows students to take on a greater leadership role in the school and provides regular class time for performance of tasks associated with these roles. The class also contains opportunities for students to learn principles of effective leadership. Classes are held Tuesday and Thursday morning before school.

Textiles 11
Develop clothing construction skills in this course while learning to create unique clothing for yourself. Course projects will be determined by students in consultation with the teacher. Note: Basic patterns, fabric and notions will be supplied. Most students will want to personalize this course and should expect a cost of $40-100.

Woodwork 11
This course is designed to meet the beginning and advanced woodworking student. This class will familiarize and/or upgrade the student with the correct use and safe operation of power equipment and hand tools. Emphasis is placed on traditional cabinet/furniture making techniques augmented with current Computer Controlled Machine (CNC) technology production methods. Projects can include but not limited to furniture (coffee tables, end tables, beds, entertainment stands), lathe turning (bowls, goblets and pens), skateboards and long boards, CNC machining of signs.

Yearbook 11 Extended Day
Course provides experience for journalism by introducing phases of yearbook production. Throughout the year, students will master fundamentals of layout and design techniques for yearbook production. The class will produce the school's yearbook and every member of the class will be expected to contribute. Students with experience will mentor first year students and assume leadership roles in the class. Assessment based on regular attendance/commitment, ability to function as part of a team, overall 'quality of workmanship', ability to meet deadlines, ability to fulfill editorial duties.

Youth work in Trades - Women in Tech 11
This introductory course is open to grade 11 and 12 students. The course will introduce female students to jewelry making, woodworking, art metal, automotive maintenance and computer-controlled machines (CNC). Being a project centered course, students will get to make a variety of projects such as candle holders, picture frames, yoyos, pens, bowls, goblets, jewelry boxes, stained glass, CNC made signs, vehicle oil change and basic maintenance

GRADE 12
ADST Assistant 12
Recommended: Min. 73% average in Junior Level of Subject Area or Permission by subject instructor. This is a participatory course that prepares and motivates students to provide assistance to others in their schools and communities. Students will work under the supervision of the applied skills teacher or mentor to provide the assistance to students as individuals and / or small groups in a variety of learning activities and contexts. Students will provide assistance in various applied skills classes such as, Food Studies, Textiles Studies,
Woodwork, Automotive, Vinyl Graphics, Drafting and Metalwork. Students will develop instructional skills, communication skills, interpersonal skills, leadership skills, teamwork, and conflict management. Students will apply their skills in tutoring and mentoring roles and acquire an appreciation of the importance of lifelong learning and helping others.

**Art Metal & Jewelry 12**
This is an introductory and advanced course open to grade 12 students with one previous shop course. This course will build on students' shop experience. This is an excellent opportunity for girls who may find well paid careers in trades and technology. Projects will include designing projects using both wood and metal. Students will gain experience and knowledge in the areas of computers in technology, project design, woodworking, metal art and jewelry, stained glass, car maintenance. safe operation and maintenance of tools

**Automotive Engine & Drive Train**
Recommended: AT11, AT12 and with Teacher's permission.
Advanced level of automotive skills that emphasizes engine repair and driveline servicing. Alternate fuels, performance tuning, custom suspensions are some of the topics covered. The school's involvement in motorsports with its dragster program will also be a part of the course. Students are expected to work independently and to undertake a major project during the semester. Because of the extensive practical work, ONLY students with a serious work ethic should apply

**Automotive Technology 12**
Recommended: AT11 and with Teacher's permission.
Intermediate level course for students wanting more automotive maintenance and repair skills. A quick review of tools and safety (in case you forgot) and then we’re off to newer topics, like the starting and charging systems. Students are again encouraged to work on their own vehicles when possible. We will start with the oil changes and maintenance inspections and then expand to more advanced servicing depending on individual desires and abilities. Because of the practical nature of this course considerable emphasis is placed on participation.

**Child Development and Caregiving 12**
An interactive two module course that will cover interpersonal relationships and child development. You will be given an opportunity to consider your future while focusing on personal development within relationships, independent living, commitment and marriage, family life, and living environments. This class provides many opportunities for discussion and interaction and incorporates 'real' life activities and experiences as much as possible. Taking care of a computerized baby for 2-3 days (and nights!) is a project in this course

**Drafting 12**
Recommended: Drafting Level 1
Explore Housing and Living Environments through focusing on Architecture. The students will use computer programs such as 3D Revit and AutoCAD to design residential houses and commercial buildings. Discover how design is influenced by culture, social trends and environmental issues. Explore how architectural, building methods and materials improve our living spaces. Learn to use Virtual Reality to walk through your designs. This course also provides scholarship and portfolio opportunities.

**Engineering 12**
Recommended: Drafting Level 11
Students will be responsible for designing their own projects, choosing from the wide range of possibilities: mechanical, architectural or engineering. Students will learn inter relationships among complex drawings, preparation of detailed drawings, components of working drawings. Students will use 3D Inventor and AutoCAD to produce drawings and 3D modeling and prototypes. Students looking at careers in engineering, architectural design or construction trades should seriously consider the benefits this course offers. This course also provides scholarship and portfolio opportunities.

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Fashion Industry 12
For the Grade 12 student who has completed Textiles 10-12 and would like to further explore fashion design and pattern development. Projects will be determined in consultation with the teacher, and may include a skirt, dress, grad dress, tailored jacket, or other garments. Most students will want to personalize the course and should expect a cost of $40-$200.

Food Studies 12
Begins by reviewing some cooking basics. After a brief re-introduction to the foundational skills of cooking, you will work through various units based on Healthy Living. You will learn how to make various breads, baked goods, healthy home cooked meals, how to follow a recipe and how to budget for a family.

Furniture and Cabinetry 12
This course is open to all grade 12 students. This class will familiarize and/or upgrade the student with the correct use and safe operation of power equipment and hand tools. Emphasis is placed on traditional cabinet/furniture making techniques augmented with current computer-controlled machine technology (CNC) production methods. Projects can include furniture (coffee tables, end tables, beds, entertainment stands), lathe turning- bowls, goblets and pens skateboards and longboards, and CNC machining of signs. This course also provides scholarship and bursary opportunities.

Graphic Production 12- Vinyl Graphics
An introductory course. Students will learn about the industry of sign making using state of the art technology, including vinyl cutters, large format printers, sublimation printing laser engraving and various others. Learn how to make vinyl cut signs, vehicle graphics, banners, posters and stickers. For students wanting to earn extra income there are employment opportunities and work experience available within the community and within the class. For students with experience, this course is moving students towards a Sign Association of Canada.

Housing and Living Environments 12 - 3D Interior Design
Recommended: Drafting level 1 and Art or permission from Mrs. Beck.
Explore Housing and Living Environments through focusing on Interior Design. The students will use 3D computer software Revit to design spaces for residential houses and commercial buildings. Discover how design is influenced by culture, social trends and environmental issues. Explore how interior design, building methods and the materials improve our living spaces. Learn to use Virtual Reality to walk through your designs and color board presentations. This course also provides scholarship and portfolio opportunities.

Machining and Welding 12- Metal Work 12
This is an intermediate course which will introduce students to arc and gas welding and molten aluminum casting. The course will also include traditional blacksmithing and modern metal fabrication. Heavy emphasis will be placed on safe work practices and proper setup of oxy-acetylene torches. Students will work both individually and in teams through the various work stations.

Peer Tutoring 12
Recommended: Gr. 11/12 students with an 80% average.
Students need an application form from their counsellor, or they may download the “Peer Tutoring Application Form”. Regular attendance, integrity, initiative, and punctuality are requirements.
Peer tutors learn about individual academic, social, and cultural differences; study a variety of approaches and skills to assist their tutees’ learning; practice self-assessment and reflection; develop communication, interpersonal relationship, leadership, and conflict management skills. Activities include lesson plans, teaching, and analyzing learning styles. Tutors must be cooperative, enthusiastic, hardworking, and willing to learn new course content. Course complements Peer Tutoring 11.

Student Leadership 12 Extended Day
This course allows students to take on a greater leadership role in the school and provides regular class time
for performance of tasks associated with these roles. The class also contains opportunities for students to learn principles of effective leadership. Classes are held Tuesday and Thursday morning before school.

**Textiles 12**
Expand your design and clothing construction skills in this course. Advanced construction and fitting techniques will be explored, while using commercial patterns. Note: Basic patterns, fabric and notions will be supplied. Most students will want to personalize the course and should expect a project fee.

certification and professional level projects. Students can learn advanced vinyl cutting, large format printing, sublimation printing, heat transfer processes, and professional application techniques. Student lead projects could involve personal interests such as vehicle wraps or community signage for local events.

**Woodwork 12**
Prerequisites: one other woodwork course
An emphasis on more advanced cabinet making and wood joinery is studied in this course. This course enables students to create a wood-working project of their choice from start to finish. Students are encouraged to include the use of Computer Controlled Machines (CNC) to complete parts of their projects. Students will be expected to construct a project from a set of plans using a variety of joints, design and build a project with traditional as well as CNC machinery estimate materials lists, evaluate their own workmanship. Projects may include furniture (desks, coffee tables, coat racks, cedar chests, grandfather clocks etc.). This course also provides scholarship and bursary opportunities.

**Yearbook 12 Extended Day**
Course provides experience for journalism by introducing phases of yearbook production. Throughout the year, students will master fundamentals of layout and design techniques for yearbook production. The class will produce the school's yearbook and every member of the class will be expected to contribute. Students with experience will mentor first year students and assume leadership roles in the class. Assessment is based on regular attendance/commitment, ability to function as part of a team, overall 'quality of workmanship', ability to meet deadlines, ability to fulfill editorial duties
### ART EDUCATION

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### GRADE 9

**Drama 9**  
A developmental drama program. We don't just DO plays. Major areas of development include story-building, mime, character development and improvisation. In-class emphasis will be placed on teamwork and concentration. The overall goal of the program is to give the student self-confidence to make presentations in class and to transfer this to onstage and stage experiences. Be prepared to have fun and work as a team.

**Visual Arts 9**  
This is a course where students will draw, paint and sculpt. There will be a focus on learning and practicing foundational art skills. We will also be exploring identity through making a variety of types of art. This course provides opportunities to learn about art perspectives and experiences from a variety of times, places, and cultures. In this course there will be a focus on building community.

### GRADE 10

**Art Studio 10**  
This course introduces students to a variety of art forms. In this course traditions, perspectives, worldviews, and stories are shared through aesthetic experiences. This course will focus on how growth as an artist requires time, patience, and reflection. Through making and viewing art we will explore our identity and sense of belonging.

**Drama 10**  
The second of the introductory drama courses. Building on skills learned in Drama 9, but still open to those...
new to the stage. Improvisation and creative drama are important part of the course. Basic Scene creation, character development, and script writing are all covered in Drama 10. Students will learn the basics of each and will create group projects in each discipline. The ability to work effectively and cooperatively in a group is a must. Effort is more important than talent.

**Media Arts 10**
Have an interest watching and making your own movies? Enjoy telling stories through a variety of mediums? This introductory course covers everything from basic camera work, video editing, music/sound creation, analyzing both old and new TV shows and movies and more. Areas such as still photography, animation, commercials and narrative stories will all be explored using cameras, computers, and even phones and tablets. Students will be both behind and in front of the camera, so Drama 9 or 10 is an asset, but not required. Must have the ability to work as a team.

**Photography 10**
This is an introductory darkroom photography course. Photography is a unique art form that captures images for artistic expression. In this course traditions, perspectives, worldviews, and stories are shared through the aesthetic experience of photography. This course will focus on how growth as a photographer requires time, patience, and reflection.

**Studio Arts 2D 10**
This is an introductory course. Students will explore and create with two-dimensional art forms such as painting and drawing. This course will focus on how growth as an artist requires time, patience, and reflection. We will explore how the creation of artistic works relies on the interplay of body and mind as well as offering unique ways of exploring our identity and sense of belonging.

**Studio Arts 3D 10**
In this course students will be introduced to a variety of 3D media. Through the study of sculpting, traditions, perspectives, worldviews, and stories will be shared. This course will focus on how growth as an artist requires time, patience, and reflection as well as relying on the interplay of mind and body. 3D Studio Arts offers unique ways of exploring our identity and sense of belonging.

**Studio Arts – Extended Day**
Does not take the place of a regular Art class.
This course has been designed for students who have a passion and talent for Art & design. It is an extended day class which takes place after school on Monday and Tuesday from 2:30-4:00 for the duration of the school year. Students will be mainly painting in an open studio environment. Assignments are thematic and students must be motivated self-starters.

**GRADE 11**

**Art Studio 11**
Through painting, drawing, print making and sculpting students will learn how an artist’s intention transforms materials into art. This visual arts course will explore the interconnectedness of the individual, community, history, and society. It will focus on how growth as an artist is dependent on perseverance, resilience, refinement, and reflection. Students will be encouraged to view and create artistic works which offer unique aesthetic experiences in a variety of contexts.

**Drama 11**
Drama 10 an asset, but not required
A transition course in which a deeper focus on the art of acting is examined. Character building, advanced
storytelling, and script analysis are a major focus. Equal focus will be on creating your own work and presenting scripts of others. Be prepared to work hard, be reliable and take risks.

**Graphic Arts 11**
In this introductory course students will take original digital photographs and learn to digitally manipulate them. Art work created in this course will reflect the interconnectedness of the individual, community, history, and society. This course will focus on how growth as a graphic artist is dependent on perseverance, resilience, and reflection. Students will be encouraged to view and create artistic works which offer unique aesthetic experiences in a variety of contexts.

**Media Arts 11**
Having Drama 10 or Media Arts 10 is recommended but not required. Who doesn't like making, watching and talking about Film and Television? Media Arts 11 is an introduction to the video camera and video production. Students will learn the basics of camera operation as well as simple editing techniques. There will be a variety of projects to complete in a group format including different genres of film like spoofs, animation and music videos. The importance of preproduction and planning will be stressed. Must have the ability to work effectively in a team

**Photography 11**
This is an introductory darkroom photography course. Photography is a unique art form that captures images in a variety of contexts. In this course students will reflect on the interconnectedness of the individual, community, history, and society in relation to photography. This course will focus on how growth as a photographer is dependent on perseverance, resilience, and reflection. Students will develop their photographic expression as a physical and mental understanding of our humanity.

**Studio Arts 2D 11**
Students will explore and create with two-dimensional art forms such as painting and drawing. This course will focus on how growth as an artist requires time, patience, and reflection. We will explore how the creation of artistic works relies on the interplay of body and mind as well as offering unique ways of exploring our identity and sense of belonging.

**Studio Arts 3D 11**
In this course students will develop skills to create a variety of 3D sculptures. This course will focus on how growth as an artist is dependent on perseverance, resilience, and reflection. 3D Studio Arts offers unique ways of exploring our identity and sense of belonging.

**Studio Arts – Extended Day**
Does not take the place of a regular Art class.
This course has been designed for students who have a passion and talent for Art & design. It is an extended day class which takes place after school on Monday and Tuesday from 2:30-4:00 for the duration of the school year. Students will be mainly painting in an open studio environment. Assignments are thematic and students must be motivated self-starters

**GRADE 12**

**Art Studio 12**
In this course students will make art with personal identity and culture in mind. Students will learn about past and present art forms. There will be a focus on student growth through skill and portfolio development. Students will be taught how purposeful artistic choices enhance the depth and meaning of artistic work. Students will learn how aesthetic experiences have the power to transform our perspective.
Directing and Script Development 12
Permission from Mr. Billo required
Have an idea for a play or a movie? This course walks you through the steps from the formation of an idea to the creation of a polished final product. Pitching ideas, writing scripts and directing actors; this course covers it all. Theatre or Film based- it’s your choice. This class is run as an individual course and requires independent work.

Drama 12
TPA11 strongly recommended. Only those students who have shown a keen interest in the subject will be accepted. Performance in front of an audience is part of the course. Getting deeper into risk taking and trusting your instincts is what is needed to succeed in Acting 12. Challenging scene work and improvisations in the beginning will be followed by the audition process and monologues. Script analysis and performance is a focus throughout. Good attendance is integral to success.

Graphic Arts 12
In this course students will take original digital photographs and learn to digitally manipulate them. Art work created in this course will reflect the interconnectedness of the individual, community, history, and society. This course will focus on how growth as a graphic artist is dependent on perseverance, resilience, and reflection. Students will be expected to produce a portfolio of work to demonstrate their growth.

Media Arts 12
Acting 11/12 and/or Media Arts 11 recommended
The skills learned in Media Arts 11 will be built upon to create more advanced and complex videos. An exploratory course in which students have much say in the projects they wish to explore in a variety of forms which may include documentaries, musicals and anything else in the TV and Film world. Students will be expected to put in time beyond scheduled class time.

Photography 12
This is a darkroom photography course. Photography is a unique art form that captures images for a variety of purposes. This course will focus on how growth in photographic expression requires perseverance, resilience, and risk taking. Students will get the opportunity to take and hand develop film and photographs. Students will be expected to produce a portfolio of work to demonstrate their growth.

Studio Arts 2D 12
Students will refine and expand on artistic skills and knowledge to create two-dimensional art forms such as painting and drawing. This course will focus on how growth as an artist requires time, patience, and reflection. Students will be expected to produce a portfolio of work to demonstrate their growth.

Studio Arts 3D 12
In this course students will refine skills while creating a variety of 3D sculptures. This course will focus on how growth as an artist is dependent on perseverance, resilience, and reflection. 3D Studio Arts offers unique ways of exploring our identity and sense of belonging. Students will be expected to produce a portfolio of work to demonstrate their growth.

Studio Arts – Extended Day
Does not take the place of a regular Art class.
This course has been designed for students who have a passion and talent for Art & design. It is an extended day class which takes place after school on Monday and Tuesday from 2:30-4:00 for the duration of the school year. Students will be mainly painting in an open studio environment. Assignments are thematic and students must be motivated self- starters.
BUSINESS AND INFORMATION TECHNOLOGY

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GRADE 9

App Development & Robotics 9
Lego Mindstorms – imagine building and bringing your own Lego robot to life while learning to code at the same time! Write mobile apps and games to install & use on your own phone. Explore and build worlds with Minecraft. Code your own website. Develop your understanding of personal and social communication through Internet and Social Media projects. Note: This course satisfies the grade 9 Applied Design Skills and Technology course requirement.

GRADE 10

Entrepreneurship & Marketing 10
Note: Grade 9s may take this course
Are you interested in business? Do you want to run your own business one day? If your answer is yes, this is the course for you! We learn about entrepreneurs, who they are, how they get started and how they market their ideas to you and me! Various projects are used to reinforce learning - including creating a marketing campaign with commercials, online ads & a company website! This course is essential for any student wanting to increase their knowledge of the business world!

Media Design 10
Note: Grade 9s may take this course
Create 2D video animations with Flash CC. Develop your multimedia skills using several applications, as well as online apps. Develop mods and worlds in Minecraft. Edit your digital photos with Photoshop CC; design video games with GameMaker RPG-type game design; and edit sound with MIDI and Wav programs. Learn to program with Scratch and take a computer apart and put it together again! In Coding & Media Design 10, students develop capabilities in learning new software interfaces that will stay with them long after the technology changes.

GRADE 11

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Accounting 11
Accounting 11 will introduce you to the basic fundamentals of a double entry accounting system. Accounting is a job skill; therefore, there will be considerable emphasis on performing to standards acceptable in the workplace. The program Simply Accounting, the Titan Business Simulation and the Monopoly board game will be used to reinforce the accounting concepts taught.

Computer Programming 11
Open to grade 10s
Programming is a fundamental skill in this digital age! If you are a cellphone, YouTube, Netflix, Facebook user, learn to understand the logic behind them. This is an exciting, growing, challenging field that has impact in most aspects of everyday life. Develop problem solving skills and analytical abilities while learning how to: write in binary; code in Java and JavaScript; and develop 2D games and simple algorithms.

Media Design 11
(Formerly 3D Animation)
Do you dream of a career in the growing Vancouver Digital Entertainment sector? Do you love 3D movies and visual effects - VFX? Provide motion to characters and objects you learn to make in Blender, the industry-standard open source 3D Model and Animation software. Examine the planning, principles, and fundamentals of animation. Develop your skillsets in timing, keyframing, NLA editing, lighting, rendering, and compositing. Create animations and a multimedia portfolio that will get you started on a career in this rapidly-growing sector.

GRADE 12

Business Computer Applications 12
Learn professional software required in the business world. Gain proven technical skills employers look for in today’s innovation economy. Become current with the IT industry in learning key business software applications and gain real-world experience in office procedures. Learn to accurately format a research paper with table of contents, page numbering, and references. Enhance your learning with the Corporation Inc. office simulation game!

Computer Programming 12
Deepen your understanding of code and learn Python and C++ as well as Java and JavaScript. Java is emphasized as most post-secondary introductory level programming courses include Java. Advanced topics are covered, such as: Methods, Inheritance, Arrays, Recursion, GUIs. Create and post your own online calculator on a live website! There is no prerequisite for this course.

Digital Media Development 12
(Formerly 3D Animation)
This course is strongly recommended for students intrigued by a potential career in the rapidly-growing Vancouver gaming industry. Blender is used in advanced animation and game design. Create visual special effects in Photoshop CS6 to add to your scenes in Blender. 3D movie studios increasingly rely on these techniques. Follow your dreams.

E-Commerce 12
(Formerly Marketing)
Why did you buy that Lulu Lemon or Nike jacket? Take an inside look at how advertisers create ad campaigns to target you! Discover how Google AdWords works. Starbucks’ Global Marketing success, and controversy around The GAP’s Product Red and other current topics. Discover secrets of marketing research the public doesn’t know and learn how marketing is the force that combines all aspects of business strategy. In Marketing 12, you will develop marketing strategies and skills to present a product, a service, and an idea in the business environment of your choice.
Economics 12
What is money? What is pricing? Learn how economics affects your daily life and the global community. Discover why some countries are rich and others are poor and who makes those decisions. Topics will include: Government Policies, Price controls, Supply and Demand, Poverty, Taxation, The Canadian and Global economy, and current business news and trends.
NEW**Economics 12 is accepted as an approved grade 12 course at most universities.

Entrepreneurship 12
Learn how to run your own business! In Entrepreneurship 12 you will have the opportunity to create a business venture and the opportunity to carry out that venture! Topics in the course include the skills necessary to become an entrepreneur, how to acquire those skills and how to implement them in a business situation. You will also learn how to manage a stock portfolio and run an online version

Financial Accounting 12
A minimum of 67% in PREC11 or FOM11 is recommended.
This course is designed as an introduction to financial accounting concepts for those planning to pursue post-secondary studies in accounting, finance, business management or commerce. It covers basic accounting concepts for both financial and managerial accounting and will give you a good head start on accounting courses at the college or university level.
CAREER EDUCATION

Career Education 9

In Career Education 9, students will develop the knowledge, skills, and attitudes to assist them in making informed decisions as they plan future education and career paths. They will explore the concepts of professionalism and goal setting and will be introduced to key elements of workplace safety. Students will have the opportunity to discover their skills, interests, motivations, personality and learning styles which they can use to begin researching potential career and education paths. Finally, they will document their personal growth and celebrate their learning through a process of self-reflection.

Career Life Education 10

The Career Education Curriculum supports students in the process of becoming successful, educated citizens by providing them with opportunities to explore a variety of careers and options for the future. Three of the content areas covered will be: Personal Development, Connections to Community and a Career Life Plan.

Career Life Connections 12

This course will focus on career development and the successful transition out of high school. Topics will include Personal Career Life Development, Connections with Community, and Career Life Planning.

Work Experience 12A

This course must be taken with IDS12A
Students will have the opportunity to explore their career interests through 100 hours of school-arranged volunteer work experience, typically without missing time from their other classes. Whether the student has identified his/her career interests or is still unsure which career path to pursue, this course will help all students develop basic employability skills and work toward making more informed choices about their future.

Work Experience Preparation 12

This course must be taken with WEX 12A
Students will prepare in-class prior to having a school-arranged work experience in the community. The course includes self-assessment activities, job-search skills, resume writing, career research, and post-secondary planning.

Work Experience 12B

This is an extended day course for gr. 12 students who have their own work experience through paid part-time and/or summer jobs. Students must document 100 hours of work and reflect on their learning in the work place.

District Programs (See Mr. Paul Gill for more details)

Applied Business Technology (Grade 12)
Automotive Service Technician (Grade 12)
Aviation Ground School (Grade 11/12)
Carpentry- Green Building (Grade 12)
Community Support Worker/ Educational Assistant (Grade 12)
Dairy Production Technician (Grade 11/12)
Drafting (Grade 12)
Electrical (Grade 12)
Hairstylist (Grade 11/12)
Health and Human Services (Grade11/12)
Heavy Equipment Operator (Grade 12)
Horticulture (Grade 12)

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Pre-Apprenticeship Program (Grade 10-12)
Professional Cook (Grade 11/12)
Refrigeration Mechanic (Grade 12)
Welder/Fitter (Grade 12)
ENGLISH LANGUAGE ARTS

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GRADE 9

English 9
Focuses on developing a strong base of reading, listening, viewing, writing, speaking and representing skills. Students are encouraged to develop critical thinking skills as well as an increasing appreciation of literature. Within this course, students will have the opportunity to achieve honours standing by choosing challenge activities and reading materials that go beyond the demands of the regular curriculum. If they do so and achieve a high level of performance in both their regular work and in their challenge activities, they will receive honours designation on their report card.

GRADE 10

English 10
Focuses on developing a strong base of reading, listening, viewing, writing, speaking and listening skills through a core Grade 10 curriculum. Students are encouraged to share insights gained from reading and discussion, to develop critical thinking skills, to understand different human values, to hone their writing ability, and to gain increasing appreciation of literature in a variety of forms, including First Peoples texts. Students will be introduced to five focus areas through this survey course: Composition, Creative Writing, Literary Studies, New Media, and Spoken Language. Students’ final assessment will include results from testing the core curriculum as well as their chosen two focus areas.

English 10 ELL (Language Enriched)
This course follows the same curriculum as English 10, but with an increased focus on vocabulary and building context to make content more comprehensible for English Language Learners. The main focus areas are Literary Studies and Composition.

GRADE 11

The Grade 11 suite of English Language Arts classes is designed to meet a variety of student interests and strengths. Reading, listening, viewing, writing, speaking, and representing are included in all five options; however, each course is unique in its area of emphasis, choice of texts, and types of activities. All options equally fulfill the Ministry of Education Grade 11 ELA requirements. Students must choose one of the following:
Composition 11
Students will study, create, and write original and authentic pieces for a range of purposes and real-world audiences, with an emphasis on drafting, reflecting on, and revising their work. They will read and study compositions by other writers in a variety of styles as models for their own writing. Take this course if you like to express opinions, ideas, and arguments in writing, you want to learn how to critique and revise your own work, or you want to improve your academic writing skills.

Creative Writing 11
Students will express themselves creatively as they develop confidence in and refine their writing skills for various creative purposes. They will explore personal and cultural identities, memories, and stories in a range of genres as they collaborate and apply writing processes. Take this course if you enjoy writing creatively or would like to develop this talent, you want to express yourself through poetry, stories, novels, etc., or you like examining other writers’ work as models and inspiration.

Literary Studies 11
Students will delve deeply into literature by exploring specific themes, periods, authors, or areas of the world through literary works in a variety of genres and media. They may be given a choice of literary topics, allowing them to follow their interests and passions. Take this course if you enjoy reading and would like to read more at a faster pace, you like learning about how authors’ lives affect their writing, or you have a passion for a particular genre, author, or theme in literature

New Media 11
Students will develop skills for success in an increasingly complex digital world. With an emphasis on digital literacy and digital citizenship, students will explore the changing role of technology in today’s society and the increasing importance of digital media in communicating and exchanging ideas. Take this course if you are interested in creating vs. consuming digital content, you want to explore and critique digital media sources and their impact on society, or you want to communicate professionally and effectively in the digital realm.

Spoken Language 11
Students will study, create, write, and present original and authentic pieces for a range of purposes and real-world audiences, with an emphasis on refining, clarifying, and adjusting their spoken communication through practice and revision. They will gain confidence in their abilities as they develop their spoken language skills. Take this course if you enjoy participating verbally in class, you want to develop your ability and confidence in this area, or you expect to interact with texts through debates, presentations, speeches, etc.

GRADE 12
Students must take one of English Studies 12 or English First Peoples 12 to satisfy Ministry graduation requirements.

English Studies 12
English Studies 12 builds on and extends students’ previous learning experiences in ELA 10 and 11 courses. It is designed for all students. Students will have opportunity to refine their ability to communicate effectively, think critically and creatively, explore a variety of texts, deepen their understanding of themselves and the world, explore factors that shape identity, represent themselves through text, understand First Peoples’ perspectives, and grow as educated Canadian and global citizens.

English First Peoples 12
English First Peoples 12 offers students an alternative to English Studies 12, offering more student choice and a variety of off-campus field trips. The course is designed for all students, Aboriginal and non-Aboriginal, who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of
media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose.

English Language Arts Electives:

Students may take the following English Language Arts electives in either grade 11 or grade 12.

**Creative Writing 12**
This relaxed course allows students to develop and refine the skills involved in expressing themselves through original, creative writing in a variety of forms and styles. Students work independently and collaboratively and have regular opportunity to share and review their work in a supportive environment. Genres of writing may include poetry, short-fiction, journalism, screenwriting, or others determined by the interests of the students. Students are encouraged to enter writing contests and submit their work for publication. Open to Grade 11 and Grade 12 students.

**Literary Studies 12**
This engaging survey course introduces students to classics of English literature from every era alongside important historical events which impacted the authors’ works. Featured texts include action packed epics (*Beowulf* and *Paradise Lost*), medieval romance, satire (*The Canterbury Tales* and *A Modest Proposal*), drama (*The Tempest* and *The Importance of Being Earnest*), and poetry from all time periods. Students are engaged through recordings, videos, and class discussion. Students can choose topics of individual interest for projects. This course provides a solid background for students considering post-secondary degrees and is lively and fun for those who just love literature. Open to Grade 11 and Grade 12 students.

English Language Learners:

**Academic Language Acquisition**
This 4-credit course focuses on building academic vocabulary and understanding the language features related to the six genres of writing: discussion text, recount text, narrative text, explanatory text, procedural text, and report text. With equal emphasis on reading, writing and oral language, thematic units are chosen to reflect a Canadian perspective. Intended for levels 2 and 3 English Language Learners, this course is designed to equip students with the academic language skills needed to be successful in grade 10 humanities courses.

**English Language Learner (ELL)**
English Language Learners (ELL’s) learn through thematic units which are designed to develop reading, writing and oral language skills. Through these units of study, a communicative approach is used to build students’ confidence while they engage in meaningful and authentic language learning activities. There is a strong emphasis on community in these diverse classrooms where students have the opportunity to learn about other cultures while sharing their own. This is a non-graded, non-credit course with a focus on individual learning and general support aimed at level 1-3 ELL students.
FRENCH IMMERSION

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GRADE 9

Art dramatique 9
A developmental drama program. We don't just DO plays. Major areas of development include movement, mime, speech, role-play and improvisation. In class emphasis will be placed on teamwork and concentration. The overall goal of the program is to give the student self-confidence to make presentations in class and to transfer this to onstage and stage experiences. Marks are awarded on the basis of performance and participation in class. Attendance is crucial, make-ups are impossible.

Education physique et santé 9
Follows the same curriculum as the English track. See Physical Health and Education 9 description. This course is co-ed.

Français langue 9
Recommended: Bescherelle Continuation of FRAL 8 for immersion students. Students are expected to demonstrate a working knowledge in their written competency of the present, imparfait, passé composé and plus-que-parfait tenses. In FRAL9, the grammar content will also focus on: agreement of past tenses, hypothetical sentences, pronouns used as direct and indirect object complements, and verb moods and tenses associated with the genres being studied. Also, poetic devices will be introduced. The FOUR skills (listening, speaking, reading and writing) continue to be developed.

Sciences humaines 9
This French Immersion course follows the same curriculum as the English track. See description for Social Studies 9.

GRADE 10

Education au choix de carrière et de vie
This course supports students in the process of becoming successful, educated citizens by providing them with opportunities to explore a variety of careers and options for the future. The course will help students to discover a bridge between classroom learning and workplace and post-secondary realities and is intended to make their learning meaningful and relevant. Three of the content areas covered will be: Personal Development, Connections to Community and a Career Life Plan.

Français langue 10
Recommended: Bescherelle Continuation of FRAL9 for immersion students. While constantly reviewing FRAL9 grammar concepts and verb

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tenses, the focus of the grammar component will be concepts such as possessive and demonstrative pronouns, passive and active voice. Also, poetic devices will be emphasized. The FOUR skills, (listening, speaking, reading and writing) continue to be developed.

**Sciences humaines 10**
This French Immersion course follows the same curriculum as the English track. See description for Social Studies 10.

**GRADE 11**

**Études du cinéma et de la littérature francophones 11**
French-Language Film and Literary Studies  The film component of the course will enable students to discover cinematographic works from different eras, cultures, styles, and genres. In addition, students will develop their ability to analyze, interpret, and reflect in order to better appreciate cinematographic works from the French-speaking world. They will explore their imagination and develop their creativity, writing style, and spoken communication through multiple cinematographic genres. Through the literature component, students will discover a variety of literary texts and works from different eras, cultures, styles, and genres.

**Histoire du monde au XXe siècle 12**
In this course, students will be guided through Twentieth Century World History through themes that include: global conflicts; the rise of totalitarianism; social, political and cultural movements; technological advances; ethnic, religious, and cultural persecution; civil wars, revolution, and independence movements; migrations, movements, and territorial borders; and international cooperation. Emphasis will be placed on improving one’s historical thinking skills (cause and consequence; historical perspective; ethical dimensions; continuity and change; historical importance), while weaving in one’s knowledge of historical content.

**GRADE 12**

**Français langue 12 (4 credits)**
The objective of this course is to help students to integrate and enhance the linguistic competencies and linguistic and cultural knowledge acquired during past learning experiences. French Immersion 12 will enable students to gain an overview of the various factors that shape their bilingual identity. It offers many opportunities for students to deepen their knowledge of themselves and others in a changing world. The course will encourage students to use critical and creative thinking to analyze various communication situations.

**Communication orale 12**
Oral Communication 12 is designed to encourage students to refine and clarify their communication through practice and revision of French-language texts, with an emphasis on oral communication. The course provides students with opportunities to explore original texts, as well as to create, write, and share their own texts for a range of purposes and real-world audiences and to develop active listening skills. Through processes of drafting, reflection and revising, students will build a body of work for a range of language situations. Over time, they will develop confidence in their oral and written communication skills.
LANGUAGES

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**GRADE 9**

French 9
Recommended: FR 8
This is a continuation of the communications-based program: Communiquête used in French 8. Students will revisit grammar concepts seen and practiced in French 8. As a performance-based course, oral participation and speaking French within the classroom is expected. Students struggling with grammar concepts and the ability to speak French in front of the class should not consider this course.

**GRADE 10**

French 10
Recommended: FR 9 with C+
Program: Communiquête. A continuation of the communication-based program used in French 9. Grammar concepts of the whole-language approach will be re-visited. Use of the target language (French) is required and expected on a daily basis. As a performance-based course, students will be required to demonstrate their learning during class time. Students should strive to interact orally, as compared to simply listening, in preparation for FSL 11 and 12. Students struggling with grammar concepts and the ability to speak French in front of the class should not consider this course.

**GRADE 11**

French 11
Recommended: FR 10 with 67%
Text: En Direct 1  A challenging course, especially for those students who do not have a solid grasp of the material studied in previous years. Oral participation skills, as well as a grasp of grammar concepts covered to date, are essential. As the focus in grade 11 and 12 will be mastering the grammar concepts, proficiency in spoken French is essential.

German Introductory 11
No prerequisite
This beginning German course is open to all students wishing to learn the basics of listening, speaking, reading and writing in German. Students will also learn about German culture through a variety of media. Students may register for German 11 following this course. One semester of study beyond BGE 11 meets the language study requirement at most B.C. universities.
German 11
Recommended: Intro German 11
German 11 is an intermediate course that builds on the listening, speaking, reading and writing skills introduced in grades 9, 10 or Intro 11. Students will also gain cultural awareness through stories, non-fiction articles, movies and music.

GRADE 12

French 12
Recommended: FR 11 with 73%
Texts: "En Direct 2", plus other supplementary reading texts (such as Rencontres and Découvertes) French 12 is an elective course for students wishing to become more proficient in speaking and writing French. By the end of the course, students will be able to sustain spontaneous conversation in the target language, and to write in French with depth and clarity. This course is ideal for students planning to pursue post-secondary courses in Arts or Education.
MATHEMATICS

GRADE 9
Mathematics 9 Foundations

GRADE 10
Foundations of Mathematics & Pre-Calculus 10
Workplace Mathematics 10

GRADE 11
Foundations of Mathematics 11
Workplace Mathematics 11
Pre-Calculus 11
Pre-Calculus 11 Honours

GRADE 12
Calculus 12
Foundations of Math 12
Pre-Calculus Math 12

GRADE 9
Mathematics 9 Foundations
Scientific calculators are required. The course includes numeracy, exponents, operations with polynomials, operations with rational numbers, two-variable linear relations, multistep linear equations, spatial reasoning, statistics, types of income and financial literacy. Students will need a solid background from Math 8 and good work habits. This course prepares students for the grade 10 Foundations & Pre-Calculus Math option.

GRADE 10
Foundations of Mathematics & Pre-Calculus 10 (see flow chart)
Recommended: Foundations of Math 9 with C+
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies. Topics include algebra, measurement, relations, functions and trigonometry.

Workplace Mathematics 10 (see flow chart)
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. Topics include algebra, geometry, measurement, trigonometry and finances.

GRADE 11
Foundations of Mathematics 11 (see flow chart)
Recommended: Foundations of Math and Pre-Calculus 10
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. It is recommended that students purchase a graphing calculator. Graphing calculators will be provided to students but for in-class use only. It is each student’s responsibility to investigate the requirements of any post-secondary program they may wish to pursue prior to selecting their pathway.

Workplace Mathematics 11 (see flow chart)
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. Topics include
Measurement, Geometry, Finances, Algebra and Statistics. It is each student's responsibility to investigate the requirements of any post-secondary program they may wish to pursue prior to selecting their pathway.

**Pre-Calculus 11 (see flow chart)**
Recommended: Foundations of Math and Pre-Calculus 10 with 60% minimum.
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies that require students to take a math class (Calculus). It is recommended that students purchase a graphing calculator. Graphing calculators will be provided to students but for in-class use only. It is each student's responsibility to investigate the requirements of any post-secondary program they may wish to pursue prior to selecting their pathway.

**Pre-Calculus 11 Honours (see flow chart)**
This is an enrichment program, not acceleration.

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**GRADE 12**

**Calculus 12 (see flow chart)**
Recommended: Pre-Calculus Math 11 with 70% and enrolled in Pre-Calculus Math 12. This course is intended to provide students with an introduction to calculus while they are still in high school so that they are better prepared for calculus in college and university. Content will include units on differentiation and integration and applications of each. Students who plan on registering in a university or college math course are strongly recommended to take this course.

**Foundations of Math 12 (see flow chart)**
Recommended: C+ in FOM11.
This is an academic course. Topics covered in this course include Finance, Logic, Statistics and Probability, Relations and Functions. Requires a Graphing Calculator. You will need your own calculator for in-class work and homework.

**Pre-Calculus Math 12 (see flow chart)**
Recommended: PREC 11 with 65%
This is an academic course. Designed for students who have an interest in mathematics, or who have career aspirations in the fields of engineering, mathematics, the sciences, economics, and some business programs. The main purpose is to develop the skills needed to continue on with the study of calculus. This course relies heavily on topics covered in previous grades. It is strongly suggested that students with less than 60-65% in Pre-Calculus Math 11 discuss their course selection carefully with their teacher. Success is often a combination of good prerequisite skills along with good attendance and strong work habits.
MATH FLOW CHART:

K-8

Math 9

Workplace Math 10

Foundations of Math and Pre-Calculus 10

Workplace Math 11

Foundations of Math 11

Pre-Calculus Math 11

Trade Programs

Foundations of Math 12

Pre-Calculus Math 12

University Arts and Social Sciences Programs

Calculus 12

University Science and Business Programs
# MUSIC

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## GRADE 9

**Instrumental Music (Band) 9**

Band 9 is a performance-based instrumental music class focused on increasing your musical development, instrumental skills, and musical appreciation. You can expect to work on improving your instrumental technique and fluency, artistic expression, ensemble performance skills, and musical literacy while playing fun and challenging music. There are also many opportunities for performances at concerts and festivals as well as trips to various locations. Attendance at all performances is mandatory.

**Instrumental Music (Jazz Band) 9, Extended Day**

Jazz Band 9 is an instrumental class that focuses on learning, performing, and understanding the performance practices of Big Band Jazz music. This is an extended day class for which the student receives extra credit. Attendance at all extended day rehearsals and performances is mandatory. It is recommended that you also enroll in Band 9.

**Choral Music: (Choir) 9, Extended Day**

Attendance at all extended day rehearsals and performances is mandatory.

Choir 9 is a vocal music class open to anyone wishing to sing. No previous singing experience is required. This performance-based class helps students to further their understanding of the vocal mechanism and techniques required to sing with a powerful and captivating sound while singing and performing music in a variety of styles.

## GRADE 10

**Instrumental Music (Band) 10**

Attendance at all performances is mandatory.

Band 10 is a performance-based instrumental music class focused on increasing your musical development, instrumental skills, and musical appreciation. You can expect to work on improving your instrumental technique and fluency, artistic expression, ensemble performance skills, and musical literacy while playing fun and challenging music. There are also many opportunities for performances at concerts and festivals as well as trips to various locations.

**Instrumental Music (Jazz Band) 10, Extended Day**

It is recommended that you also enroll in Band 10. Attendance at all extended day rehearsals and performances is mandatory.

Jazz Band 10 is an instrumental class that focuses on learning, performing, and understanding the
performance practices of Big Band Jazz music. This is an extended day class for which the student receives extra credit.

**Choral Music (Choir) 10, Extended Day**
Attendance at all extended day rehearsals and performances is mandatory. Choir 10 is a vocal music class open to anyone wishing to sing. No previous singing experience is required. This performance-based class helps students to further their understanding of the vocal mechanism and techniques required to sing with a powerful and captivating sound while singing and performing music in a variety of styles.

**GRADE 11**

**Instrumental Music (Band) 11**
Attendance at all performances is mandatory
Band 11 is a performance-based instrumental music class focused on increasing your musical development, instrumental skills, and musical appreciation. You can expect to work on improving your instrumental technique and fluency, artistic expression, ensemble performance skills, and musical literacy while playing fun and challenging music. There are also many opportunities for performances at concerts and festivals as well as trips to various locations.

**Instrumental Music (Jazz Band) 11, Extended Day**
Attendance at all extended day rehearsals and performances is mandatory. It is recommended that you also enroll in Band 11. Jazz Band 11 is an instrumental class that focuses on learning, performing, and understanding the performance practices of Big Band Jazz music. This is an extended day class for which the student receives extra credit.

**Choral Music (Choir) 11, Extended Day**
Attendance at all extended day rehearsals and performances is mandatory
Choir 11 is a vocal music class open to anyone wishing to sing. No previous singing experience is required. This performance-based class helps students to further their understanding of the vocal mechanism and techniques required to sing with a powerful and captivating sound while singing and performing music in a variety of styles.

**GRADE 12**

**Instrumental Music (Band) 12**
Attendance at all performances is mandatory.
Band 12 is a performance-based instrumental music class focused on increasing your musical development, instrumental skills, and musical appreciation. You can expect to work on improving your instrumental technique and fluency, artistic expression, ensemble performance skills, and musical literacy while playing fun and challenging music. There are also many opportunities for performances at concerts and festivals as well as trips to various locations.

**Instrumental Music (Jazz Band) 12, Extended Day**
Attendance at all extended day rehearsals and performances is mandatory. It is recommended that you also enroll in Band 12
Jazz Band 12 is an instrumental class that focuses on learning, performing, and understanding the performance practices of Big Band Jazz music. This is an extended day class for which the student receives extra credit.
Choral Music (Choir) 12, Extended Day
Attendance at all extended day rehearsals and performances is mandatory.
Choir 12 is a vocal music class open to anyone wishing to sing. No previous singing experience is required. This performance-based class helps students to further their understanding of the vocal mechanism and techniques required to sing with a powerful and captivating sound while singing and performing music in a variety of styles.
# PHYSICAL AND HEALTH EDUCATION

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## GRADE 9

**Physical Health and Education 9**

Students can only sign up for either this course OR Physical Health and Education 9-Community Recreation 9. Students will participate in a variety of co-ed leisure, fitness, sport and lifestyle activities depending on the instructor and the facility schedule. Depending on scheduling and grade level, students will participate in the following activities: learning to run (run/walk program), volleyball, aerobics, softball, minor games, basketball, touch football, badminton, soccer, dance (folk, square, swing, hip-hop), weight lifting, first aid, handball, swimming, wrestling, skating, ultimate, and lacrosse. Students will also study various health topics and learn training principles through participation in this course. A fitness evaluation will take place each term.

**Physical Health and Education 9 - Community Recreation 9**

Students can only sign up for either this course OR Physical Health and Education 9

This course provides students with PHE 9 credit while supplementing the traditional curriculum by giving students a chance to experience leisure and adventure activities in the community. Typical leisure day activities include swimming, skating, bowling, mini golfing, batting cages, golf driving range, curling, tennis, and many more. In addition, students will be given the opportunity to go on many full day adventure outings offered as curricular enhancements through the Outdoor Education program. There is no course fee for this class.
however all expenses associated with the adventure and leisure enhancement opportunities will need to be covered by the student.

**Physical and Health Education Leadership 9 - Extended Day**
Enrollment in the course is based on instructor approval.
The grade 9-12 students in this course will work in teams to plan, promote, and run the intramural activity program during lunch break. They will also put on special activity days throughout the school year. As an extended day course, class will meet once a week on Tuesday mornings from 7:15-8:00 am.

**GRADE 10**

**Extreme Outdoor Education 10 – Extended Day**
(Formerly Community Recreation Extreme)
This course is for the outdoor enthusiast who is looking for timetable flexibility and a greater challenge than provided by regular Outdoor Education offerings. This full year linear course will focus on developing skills through adventure outings in backpacking and hiking, river rafting/kayaking, snowboarding/skiing, rock climbing, paintballing, as well as additional outings that vary from year to year. Outdoor Education Extreme students have their pick of all adventure outings offered in the program and are required to complete 100 adventure hours throughout the course. The cost of these enhancements will vary and will be the responsibility of the student.

**Fitness & Conditioning 10/11/12 Female**
A great course for those that want to get their workouts in at school and learn to be their own trainer. You will set and pursue your fitness goals and will be able to write your own fitness program by the end of the course. The course focuses on strength training principles, sports nutrition, cardiovascular training and improving flexibility. This course incorporates a 3 day a week personalized strength training program, as well as core training and cardiovascular training. Assessment and evaluation is based on daily performance in class, weight training log books and quizzes on training principles.

**Fitness & Conditioning 10 Co-ed**
Want to work out but can’t find the time, or afford a gym membership fee? Resistance/Weight training, speed and agility training, plyometrics, flexibility, cardiovascular training, and sports nutrition are all aspects of fitness focused on in this course. If you want to be in the best possible shape and perform better than you ever have before, this is the course for you. Course evaluation will be based on daily performance in class, monthly physical testing, weight training log books, and quizzes.

**Fitness and Conditioning 10 – Football - Football**
This is a linear course that follows the same curriculum as Fitness and Conditioning 10/11/12. To be eligible for this class, one must be a member of the school's football program. The class will run Tuesday and Thursday mornings from September to June.

**Fitness and Conditioning Superfit 10/11/12 Co-ed**
This class is no sweat…well, maybe a little. This course is designed to give students the knowledge to become fit and healthy through a variety of alternative forms of exercise. Although we spend some time in the weight room each week Strength Training, this course also incorporates activities such as Circuit Training, Core Training, Step-classes, HIT Classes, Hiking, Cycling, Swimming, and Yoga. These varying workout routines reflect what is offered in most Fraser Valley athletic clubs and will also include the occasional walk/run/hike, day at the pool. There is a component of fitness theory and nutrition education to ensure students have the information they need be healthy and to accurately set health and wellness goals. This course tones and conditions the body with a focus on fitness and overall health. This course is a great fit for students at ALL levels of fitness. Want to look good and feel good? This is the course for you.
Physical Health and Education 10
Students can only sign up for either this course OR Physical Health and Education 10-Community Recreation. Students will participate in a variety of co-ed leisure, fitness, sport and lifestyle activities depending on the instructor and the facility schedule. Depending on scheduling and grade level, students will participate in the following activities: learning to run (run/walk program), volleyball, aerobics, softball, minor games, basketball, touch football, badminton, soccer, dance (folk, square, swing, hip-hop), weight lifting, first aid, handball, swimming, wrestling, skating, ultimate, and lacrosse. Students will also study various health topics and learn training principles through participation in this course. A fitness evaluation will take place each term.

Physical Health and Education - Community Recreation 10
Students can only sign up for either this course OR Physical Health and Education 10. This course provides students with PHE 10 credit while supplementing the traditional curriculum by giving students a chance to experience leisure and adventure activities in the community. Typical leisure day activities include swimming, skating, bowling, mini golfing, batting cages, golf driving range, curling, tennis, and many more. In addition, students will be given the opportunity to go on many full day adventure outings offered as curricular enhancements through the Outdoor Education program. There is no course fee for this class, however all expenses associated with the adventure and leisure enhancement opportunities will need to be covered by the student.

Physical Health and Education 10 - Extended Day
This course is available to all Mouat student athletes competing on Mouat teams. To qualify for this course, students must fulfill 100 hours through the sport(s) that they compete in. These include Football, Volleyball, Wrestling, Basketball, Track and Field, Soccer and Rugby. Cross Country and Swimming can also be used if combined with another Mouat sport. Marks are based on participation and commitment to the team, demonstration of development of skills and fitness, and demonstration of good sportsmanship in keeping with our Mouat Athletics code of conduct. Students will also need to complete four projects around health and well-being.

Physical and Health Education Leadership 10 - Extended Day
The grade 9-12 students in this course will work in teams to plan, promote, and run the intramural activity program during lunch break. They will also put on special activity days throughout the school year. As an extended day course, class will meet once a week on Tuesday mornings from 7:15-8:00 am. Enrollment in the course is based on instructor approval.

GRADE 11

Active Living 11
Active Living 11 gives students an opportunity to build on their PHE 9 and 10 experiences with the addition of even more real-world active lifestyle opportunities. Selection of in-school activities will be based on student interest levels, and some fitness activities may be included. Depending on class interest, leisure opportunities in the community may be available to enhance classroom activities.

Active Living 11 - Extended Day
This course is available to all Mouat student athletes competing on Mouat teams. To qualify for this course, students must fulfill 100 hours through the sport(s) that they compete in. These include Football, Volleyball, Wrestling, Basketball, Track and Field, Soccer and Rugby. Cross Country and Swimming can also be used if combined with another Mouat sport. Marks are based on participation and commitment to the team, demonstration of development of skills and fitness, and demonstration of good sportsmanship in keeping with our Mouat Athletics code of conduct. Students will also need to complete four projects around health and well-being.
Fitness & Conditioning 10/11/12 Female
A great course for those that want to get their workouts in at school and learn to be their own trainer. You will set and pursue your fitness goals and will be able to write your own fitness program by the end of the course. The course focuses on strength training principles, sports nutrition, cardiovascular training and improving flexibility. This course incorporates a 3 day a week personalized strength training program, as well as core training and cardiovascular training. Assessment and evaluation are based on daily performance in class, weight training log books and quizzes on training principles.

Fitness & Conditioning 11 Co-ed
Want to work out but can’t find the time, or afford a gym membership fee? This course gives you an opportunity to set and pursue fitness goals and do this during the school day. Resistance/Weight training, speed and agility training, plyometrics, flexibility, cardiovascular training, and sports nutrition are all aspects of fitness focused on in this course. If you want to be in the best possible shape and perform better than you ever have before, this is the course for you. Course evaluation will be based on daily performance in class, monthly physical testing, weight training log books, and quizzes.

Fitness and Conditioning 11 - Football – Extended Day
This is a linear course that follows the same curriculum as Fitness and Conditioning 10/11/12. To be eligible for this class, one must be a member of the school's football program. The class will run Tuesday and Thursday mornings from September to June.

Fitness and Conditioning Superfit 10/11/12 Co-ed
This class is no sweat…well, maybe a little. This course is designed to give students the knowledge to become fit and healthy through a variety of alternative forms of exercise. Although we spend some time in the weight room each week Strength Training, this course also incorporates activities such as Circuit Training, Core Training, Step-classes, HIT Classes, Hiking, Cycling, Swimming, and Yoga. These varying workout routines reflect what is offered in most Fraser Valley athletic clubs and will also include the occasional walk/run/hike, day at the pool. There is a component of fitness theory and nutrition education to ensure students have the information they need be healthy and to accurately set health and wellness goals. This course tones and conditions the body with a focus on fitness and overall health. This course is a great fit for students at ALL levels of fitness. Want to look good and feel good? This is the course for you.

Outdoor Education 11 Co-ed
(Formerly Community Recreation)
This course supplements the traditional PE curriculum by giving students an opportunity to experience leisure and adventure activities in the community. In addition, students will be given the opportunity to go on many full day adventure outings offered as curricular enhancements through the extended day program. There is no course fee for this class, however all expenses associated with the adventure and leisure enhancement opportunities will need to be covered by the student. For real time pictures, videos, and descriptions of Outdoor Education activities visit our website at www.commrecextreme.com.

Extreme Outdoor Education 11 – Extended Day
(Formerly Community Recreation Extreme)
This course is for the outdoor enthusiast who is looking for timetable flexibility and a greater challenge than provided by regular Outdoor Education offerings. This full year linear course will focus on developing skills through adventure outings in backpacking and hiking, river rafting/kayaking, snowboarding/skiing, rock climbing, paintballing, as well as additional outings that vary from year to year. Outdoor Education Extreme students have their pick of all adventure outings offered in the program and are required to complete 100 adventure hours throughout the course. The cost of these enhancements will vary and will be the responsibility of the student.

Physical and Health Education Leadership 11 - Extended Day
The grade 9-12 students in this course will work in teams to plan, promote, and run the intramural activity
program during lunch break. They will also put on special activity days throughout the school year. As an extended day course, class will meet once a week on Tuesday mornings from 7:15-8:00 am. Enrollment in the course is based on instructor approval.

**Physical and Health Education Peer Tutor 11**
This course promotes the learning and work used in aiding the Physical Health and Education instructor set up equipment, organize activities, demonstrate skills, and complete general functions of daily PHE course offerings. It includes the study of physical development concepts and principles of sport and exercise and provides opportunities to develop or refine skills and attitudes that promote lifelong fitness. Peer tutors will be involved in activities, skill and technique lessons, and games. Ongoing assessment includes both written and performance-based skill evaluation. Enrollment in the course is based on instructor approval, through an application form available at the PHE office.

**GRADE 12**

**Active Living 12**
Active Living 12 gives students an opportunity to build on their PHE 9 and 10, and Active Living 11 experiences with the addition of even more real-world active lifestyle opportunities. Selection of in-school activities will be based on student interest levels, and some fitness activities may be included. Depending on class interest, leisure opportunities in the community may be available to enhance classroom activities.

**Extreme Outdoor Education 12 – Extended Day**
(Formerly Community Recreation Extreme)
This course is for the outdoor enthusiast who is looking for timetable flexibility and a greater challenge than provided by regular Outdoor Education offerings. This full year linear course will focus on developing skills through adventure outings in backpacking and hiking, river rafting/kayaking, snowboarding/skiing, rock climbing, paintballing, as well as additional outings that vary from year to year. Outdoor Education Extreme students have their pick of all adventure outings offered in the program and are required to complete 100 adventure hours throughout the course. The cost of these enhancements will vary and will be the responsibility of the student.

**Fitness & Conditioning 10/11/12 Female**
A great course for those that want to get their workouts in at school and learn to be their own trainer. You will set and pursue your fitness goals and will be able to write your own fitness program by the end of the course. The course focuses on strength training principles, sports nutrition, cardiovascular training and improving flexibility. This course incorporates a 3 day a week personalized strength training program, as well as core training and cardiovascular training. Assessment and evaluation are based on daily performance in class, weight training log books and quizzes on training principles.

**Fitness & Conditioning 12 Co-ed**
Want to work out but can’t find the time, or afford a gym membership fee? This course gives you an opportunity to set and pursue fitness goals and do this during the school day. Resistance/Weight training, speed and agility training, plyometrics, flexibility, cardiovascular training, and sports nutrition are all aspects of fitness focused on in this course. If you want to be in the best possible shape and perform better than you ever have before, this is the course for you. Course evaluation will be based on daily performance in class, monthly physical testing, weight training log books, and quizzes.

**Fitness and Conditioning 12 – Football - Extended day**
This is a linear course that follows the same curriculum as Fitness and Conditioning 10/11/12. To be eligible for this class, one must be a member of the school's football program. The class will run Tuesday and Thursday mornings from September to June.
Fitness and Conditioning Superfit 10/11/12 Co-ed
This class is no sweat...well, maybe a little. This course is designed to give students the knowledge to become fit and healthy through a variety of alternative forms of exercise. Although we spend some time in the weight room each week Strength Training, this course also incorporates activities such as Circuit Training, Core Training, Step-classes, HIT Classes, Hiking, Cycling, Swimming, and Yoga. These varying workout routines reflect what is offered in most Fraser Valley athletic clubs and will also include the occasional walk/run/hike, day at the pool. There is a component of fitness theory and nutrition education to ensure students have the information they need be healthy and to accurately set health and wellness goals. This course tones and conditions the body with a focus on fitness and overall health. This course is a great fit for students at ALL levels of fitness. Want to look good and feel good? This is the course for you.

Outdoor Education 12
(Formerly Community Recreation)
Co-ed course This course supplements the traditional PE curriculum by giving students an opportunity to experience leisure and adventure activities in the community. In addition, students will be given the opportunity to go on many full day adventure outings offered as curricular enhancements through the extended day program. There is no course fee for this class, however all expenses associated with the adventure and leisure enhancement opportunities will need to be covered by the student. For real time pictures, videos, and descriptions of Outdoor Education activities visit our website at www.commrecextreme.com.

Physical and Health Education Leadership 12 - Extended Day
The grade 9-12 students in this course will work in teams to plan, promote, and run the intramural activity program during lunch break. They will also put on special activity days throughout the school year. As an extended day course, class will meet once a week on Tuesday mornings from 7:15-8:00 am. Enrollment in the course is based on instructor approval.

Physical and Health Education Peer Tutor 12
This course promotes the learning and work used in aiding the Physical Health and Education instructor set up equipment, organize activities, demonstrate skills, and complete general functions of daily PHE course offerings. It includes the study of physical development concepts and principles of sport and exercise and provides opportunities to develop or refine skills and attitudes that promote lifelong fitness. Peer tutors will be involved in activities, skill and technique lessons, and games. Ongoing assessment includes both written and performance-based skill evaluation. Enrollment in the course is based on instructor approval, through an application form available at the PHE office.
SCIENCE

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GRADE 9

Science 9
Science 9 is an exploration and activity-oriented course. You will study the physical world in a laboratory setting. Emphasis is hands-on learning experiences to enhance your appreciation for the natural world. Making observations and arriving at suitable conclusions are stressed in the laboratory reports. Projects and lab activities are used whenever possible. The major topics include: a) Biology – Cellular Reproduction, b) Chemistry – Atomic Theory, Chemical Formulas, c) Physics – Electricity and d) Earth Science – Effect of Solar Radiation, Matter Cycle.

GRADE 10

Science 10
Science 10 is a continuation of the concepts studied in Science 9. The material is concept-oriented and requires mathematical calculations and problem-solving approaches. Laboratory work and report writing are further developed. The major topics include: a) Chemistry - Atomic Theory, Chemical Equations, Radioactivity, b) Biology – DNA and Inheritance, c) Physics – Transformations of Energy and d) Earth Science – The Universe.

GRADE 11

Chemistry 11
Recommended: Minimum 73% in SC 10 and 67% in FOM 10 & PREC 10
Students should have a good working knowledge of mathematics and are required to have a scientific calculator that will be needed for exams. Chemistry 11 is an introductory academic course that builds a foundation for later studies in chemistry. Laboratory work will be used to develop the understanding of major concepts and the lecture material involves both reasoning and problem-solving strategies. The major topics include: a) Introduction to Chemistry, b) Atoms, Molecules, and Ions, c) The Mole Concept, d) Chemical Reactions, e) Atomic Theory, f) Solution Chemistry and g) Organic Chemistry.
Earth Science 11
Recommended: SC 10
An overview of Earth Science, this course is a blend of many disciplines and how they relate to our planet. Earth Science uses aspects of Physics, Chemistry, Biology and Physical Geography. The major topics include a) Introduction to Earth Science, b) Atmospheric Science, c) Oceanography, d) Geology, e) Earth's History, f) Astronomy. While the topics included in this course are of general interest, students are asked to recognize that this course is academic in nature.

Life Sciences 11
Recommended: Minimum 73% in SC 10
Biology is a scientific discipline that studies the great variety of organisms and processes occurring in the living world. Life Sciences 11 is an introductory academic course that builds a foundation for later studies in biology, both in grade 12 and at university. This course examines 3 major themes: Unity and Diversity, Evolution and Ecological Relationships. A study of the major groups of organisms will be covered in the following units: a) Adaptation and Evolution, b) Microbiology, c) Plant Biology, d) Animal Biology and e) Ecology.

Physics 11
Recommended Minimum 67% in FOM 10 & PREC 10 & SC 10.
Students will be expected to be proficient in trigonometry and algebra. Scientific calculators are essential. Students should expect to solve a wide variety of problems using calculation and graphical means. Labs and projects support the theory discussed in class. The major topics include a) Kinematics (motion), b) Dynamics (forces), c) Momentum, d) Energy, e) Waves, f) Optics, g) Circuits, h) Special Relativity and i) Vectors.

GRADE 12

Anatomy and Physiology 12
Recommended: Minimum 73% in BI 11 & CH 11
Intended for serious students who are continuing their education at university or other post-secondary institutions. Students will be expected to do 1.5 hrs. of homework every day. Experiments and dissections will be done to illustrate basic physiology. Major topics include: a) Biochemistry, b) Cell Processes and c) Organ Systems.

Chemistry 12
Recommended: Minimum 73% in CH 11 & PREC 11 as mastery of CH 12 requires strong mathematical skill. This course is intended for serious students who are continuing their education at university or other post-secondary institutions. Students will be expected to do 1.5 hrs. of homework every day. A scientific calculator with exponential and logarithmic functions is required. The course provides an in-depth examination of several important branches of Chemistry. The major topics include: a) Chemical Kinetics, b) Chemical Equilibrium, c) Solubility, d) Acids, Bases, Salts and e) Oxidation-Reduction.

Geology 12
Recommended: Students have completed at least one science 11 course.
This class is regarded as a science credit for many university admissions. Venture into the outdoors with Geology 12. Learn about the physical world around you. The major topics include a) Earth Materials, b) Internal Earth Structures and Processes (e.g. plate tectonics), c) Earthquakes and Volcanoes, d) Surface Processes (e.g. glaciers and rivers), e) Geological Time and The Fossil Record, f) Earth Resources and g) Planetology (the study of planets in our solar system).
Physics 12
Recommended: minimum 70% in PH 11 with PREC 11.
Students will be expected to attend "extra-curricular" exam preparation sessions near the end of the course. Students will apply vector analysis to a variety of problem-solving situations. This course is intended for serious students who are continuing their education at university. Students will be expected to do 1.5 hrs. of homework every day. Major topics include: a) Kinematics (motion), b) Dynamics (forces), c) Energy & Momentum, d) Equilibrium (static forces), e) Circular Motion & Gravity, f) Electrostatics and g) Electromagnetism.

Specialized Science (Laboratory Practice) 12
(Formerly Bio/Chem Prep.) Recommended enrollment in: ANAT 12 and/or CH 12
Designed for students taking Anatomy and Physiology 12 and Chemistry 12 who are planning to enroll in university science courses. Students will perform university level laboratory research and technical report writing. Lab skills and critical thinking are emphasized. This course has been developed to improve student success in university, both financially and academically. Students that have taken ‘Specialized Science 12’, tell us how much better prepared they were compared to their peers in first year at college or university. You will excel in lab classes at university after taking this course.
### SOCIAL STUDIES

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### GRADE 9

**Social Studies 9**
This modern history course takes students on a journey from the Age of Revolutions (late 1700s) to the Laurier Era in Canada (early 1900s). Students will learn about the American and French Revolutions; major migrations and their effect on Canada; the fight for responsible government and Confederation of Canada, the colonization of western Canada and its effect on the First Nations; and Canadian geography. Throughout, students will apply historical thinking skills to critically analyse the people, events, and issues of the past.

### GRADE 10

**Social Studies 10**
Social Studies 10 is a course that will look at Canada and the world from 1900 to the present. Students will explore Canada’s role in global and regional conflicts, the development of our political institutions as well as various perspectives on our changing society, and also how historical and contemporary injustices challenge the narrative and identity of Canada as an inclusive, multicultural society. Throughout, students will apply historical thinking skills to understand how we have come to live in our contemporary world.

### GRADE 11 & 12

**20th Century World History 12**
This course satisfies the SS 11/12 grad requirement. Learn about the roots of some of today’s most pressing current events in 20th Century World History 12. In this academic course, using guided projects, lectures, and a historical research paper, we will delve into the major events, people, institutions and ideological forces that shaped the Twentieth Century and how they continue to reverberate through the Twenty-first. By examining how historical forces have shaped the modern world, teaching you the academic tools and methods of the historian, and honing your historical thinking skills, 20th Century World History 12 will prepare you for both post-secondary schooling and lifetime success!

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B.C. First Peoples 12
This course satisfies the SS 11/12 grad requirement.
Students will have the opportunity to explore the traditions, history and present realities of B.C.’s First Peoples. Topics include: pre-contact, European colonization, government policies and legislation that have influenced contemporary Indigenous issues. We will study this course through a varied approach including: workbook lessons, field trips, cultural teachings, connections to local Elders and primary sources and readings.

Comparative Cultures 12
This course satisfies the SS 11/12 grad requirement.
This is a survey course of ancient cultures with specific sections on the Origins of Humanity, ancient Egypt, Greece, China, India, the Mayans and Aztecs. Assessments will be balanced between projects and tests with a final project. This course dives into the value systems, diversity, environmental factors, artistic expression and views on war of ancient cultures. Students will explore the myths and religions from these cultures and pick a culture to pursue for their own research. Embark on a fun-filled adventure that teaches you about global cultures and inspires dreams of travel to distant lands.

Law Studies 12
This course satisfies the SS 11/12 grad requirement.
Law Studies 12 is a course that focuses on the structure and function of Canadian law. The course concentrates on four areas of law including the foundations of law (principles, sources, and structure), criminal law, civil law, and youth law. Other topics include the Canadian Constitution, the Charter of Rights and Freedoms, courts, legislation concerning First Peoples, the Canadian correctional system, and international courts. This course is designed to provide learning opportunities for students with a wide range of interests. It is especially recommended for those interested in careers in law, criminology, law enforcement, court services and small business.

Physical Geography 12
This course satisfies the SS 11/12 grad requirement.
Physical Geography 12 is the study of the natural environment (the land, the atmosphere and the biosphere) and of the interaction between humans and the environment. Major units will include modern mapping (Google), resource management and environmental sustainability, biomes and world climates, tectonic processes (earthquakes and volcanoes), weather and climate, and weathering and erosion processes (landslides, rock falls and avalanches). Physical Geography 12 is predominantly project-based and 'bridges' the field of science with those of the liberal arts and provides a solid base for students who go on to study geography at the college or university level.

Psychology 11
What are symptoms of obsessive-compulsive disorder? How do we use our senses to understand the world around us? What is an altered state of consciousness? These questions and more are investigated in Psychology 11, an introductory course that uses scientific inquiry to explore the psychological understandings of mental processes and human behavior.

Psychology 12
Why are teens more likely to do something reckless when someone is watching? How do we support those with mood disorders like depression? How can we learn effective coping strategies to deal with the stress of our lives? In Psychology 12 we continue our examination of mental processes and behaviors through units of study including personality, psychological disorders, social psychology, and methods of therapy. This course is especially recommended for students pursuing careers that involve working with people.

Social Justice 12
This course satisfies the SS 11/12 grad requirement.
Social Justice 12 is a course that is based on the premise “Once you know better, you do better” - Maya Angelou. In this course you will have the opportunity to examine issues such as: worldview, bias, values,
poverty, consumerism, gender, hate, racism, discrimination, war and genocide. You will gain knowledge that will allow you to recognize and understand the causes and consequences of injustice, and you will have the opportunity to understand how to behave in a socially responsible manner and become agents of change by exploring solutions to these issues.