



## **W.J. MOUAT COURSE SELECTION GUIDEBOOK**

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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## APPLIED DESIGN, SKILLS AND TECHNOLOGIES

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\* This course does not meet the Applied Skills grad requirement, but earns 4 credits.

### 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.

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## **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.

## **Women in Tech 9 (Youth work in Trades 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,

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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 much more.

### **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.

### **Media Design 10 - Journalism**

The course is designed for students to experience and learn aspects of print journalism and the digital production of our school newspaper, 'The Hawkzine'. Students are responsible for producing articles and photographs for the newspaper, as well as for the digital production of the layout.

This course will also produce the school's Yearbook. Students involved in the production will learn and will use technology for digital layout, graphic production, digital photography, word processing and editing. Students will work collaboratively to design, problem solve, and produce the various elements needed for the two main projects. No experience necessary!

### **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.

## **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

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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: 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 much more.

### **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.

### **Interior Design - Housing and Living Environments 12**

This course is open to all grade 11 and 12 students.

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.

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### **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.

### **Media Design 11 - Journalism**

The course is designed for students to experience and learn aspects of print journalism and the digital production of our school newspaper, 'The Hawkzine'. Students are responsible for producing articles and photographs for the newspaper, as well as for the digital production of the layout.

This course will also produce the school's Yearbook. Students involved in the production will learn and will use technology for digital layout, graphic production, digital photography, word processing and editing. Students will work collaboratively to design, problem solve, and produce the various elements needed for the two main projects. No experience necessary!

### **Peer Tutoring 11**

Recommended: Gr. 11/12 students with an 80% average. Regular attendance, integrity, initiative, and punctuality are requirements. Counsellor permission required.

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.

**\*This course does not meet the Applied Skills grad requirement, but earns 4 credits.**

### **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.

**\*This course does not meet the Applied Skills grad requirement, but earns 4 credits.**

### **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 is 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.

### **Women in Tech 11 (Youth work in Trades 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.

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## **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.

**\*This course does not meet the Applied Skills grad requirement, but earns 4 credits.**

### **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

Inquiry based exploration of Architecture, Engineering or Mechanical design. Students will be responsible for choosing and creating their own projects, using design software such as Inventor, Revit or AutoCAD. Discover how design is influenced by culture, social trends and environmental issues. Learn to use Virtual Reality to walk through your designs. This course also provides capstone, 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 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.

## **Interior Design - Housing and Living Environments 12**

This course is open to all grade 11 and 12 students.

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.

## **Media Design 12 - Journalism**

The course is designed for students to experience and learn aspects of print journalism and the digital production of our school newspaper, 'The Hawkzine'. Students are responsible for producing articles and photographs for the newspaper, as well as for the digital production of the layout.

This course will also produce the school's Yearbook. Students involved in the production will learn and will use technology for digital layout, graphic production, digital photography, word processing and editing. Students will work collaboratively to design, problem solve, and produce the various elements needed for the two main projects. No experience necessary!

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## **Peer Tutoring 12**

Recommended: Gr. 11/12 students with an 80% average. Counsellor permission required.

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.

**\*This course does not meet the Applied Skills grad requirement, but earns 4 credits.**

## **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.

**\*This course does not meet the Applied Skills grad requirement, but earns 4 credits.**

## **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.

## **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.

## ART EDUCATION

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Art Metal 9 Drama 9 Visual Arts 9	Art 10 Ceramics and Sculpture 10 (3D Studio Art) Digital Photography 11 Drawing and Painting 10(2D Studio Art) Drama 10 Musical Theatre 10 Photography 10 Studio Arts 10 – Extended Day TV and Film 11(Media Art 11)	Art 11 Ceramics and Sculpture 11 (3D Studio Art) Digital Photography 11 Drama 11 Drawing and Painting 11 (2D Studio Art) Musical Theatre 11 Photography 11 Studio Arts 11 – Extended Day TV and Film 11(Media Art 11)	Art 12 Art Metal & Jewelry 12 Ceramics and Sculpture 12 (3D Studio Art) Digital Photography 12 Directing and Script Development 12 Drama 12 Drawing and Painting 12 (2D Studio Art) Musical Theatre 12 Photography 12 Studio Arts 12– Extended Day TV and Film 12 (Media Art 12)

### 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.

#### 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

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## **Art 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.

## **Ceramics and Sculpture 10 (3D Studio Art)**

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. Ceramics and Sculpture 10 offers unique ways of exploring 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.

## **Digital Photography 11**

\*This course is open to grade 10's

In this introductory course students will take original digital photographs and learn to digitally manipulate them. Artwork 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.

## **Drawing and Painting 10 (2D Studio Art)**

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.

## **Musical Theatre 10**

A performing arts course that blends the disciplines of drama, music and dance. Students will have the opportunity to explore, prepare, rehearse and present songs and scenes from well-known musicals in class previous experience in drama, music and/or dance is not required, but is recommended.

## **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 10 – 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.

## **TV and Film 11 (Media Art 11)**

Open to grade 10 students

Who doesn't like making, watching and talking about Film and Television? TV and Film 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.

## **GRADE 11**

### **Art 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.

### **Ceramics and Sculpture 11 (3D Studio Art 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. Ceramics and Sculpture 11 offers unique ways of exploring our identity and sense of belonging.

### **Digital Photography 11**

In this introductory course students will take original digital photographs and learn to digitally manipulate them. Artwork 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.

### **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.

### **Drawing and Painting 11 (2D Studio Art)**

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.

### **Musical Theatre 11**

A performing arts course that blends the disciplines of drama, music and dance. Students will have the opportunity to explore, prepare, rehearse and present songs and scenes from well-known musicals in class. Previous experience in drama, music and/or dance is not required, but is recommended.

### **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.

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### **Studio Arts 11 – 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.

### **TV and Film 11 (Media Art 11)**

Who doesn't like making, watching and talking about Film and Television? TV and Film 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.

## **GRADE 12**

### **Art 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.

### **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.

### **Ceramics and Sculpture 12 (3D Studio Art 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. Ceramics and Sculpture 12 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.

### **Digital Photography 12**

In this course students will take original digital photographs and learn to digitally manipulate them. Artwork 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.

### **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**

Drama 11 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 Drama 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.

## **Musical Theatre 12**

A performing arts course that blends the disciplines of drama, music and dance. Students will have the opportunity to explore, prepare, rehearse and present songs and scenes from well-known musicals in class. Previous experience in drama, music and/or dance is not required, but is recommended.

## **Drawing and Painting 12 (2D Studio Art 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.

## **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 12 – 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.

## **TV and Film 12 (Media Studies 12)**

The skills learned in TV and Film 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.



## BUSINESS AND INFORMATION TECHNOLOGY

GRADE 9	GRADE 10	GRADE 11	GRADE 12
App Development & Robotics 9  Entrepreneurship & Marketing 10  Media Design 10	Computer Programming 11  Entrepreneurship & Marketing 10  Media Design 10	Accounting 11  Computer Programming 11  Media Design 11	Business Computer Applications 12  Computer Programming 12  Digital Media Development 12  Economics 12  Entrepreneurship 12  Financial Accounting 12

### 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.

#### Entrepreneurship & Marketing 10

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 10**

### **Computer Programming 11**

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.

### **Entrepreneurship & Marketing 10**

Open to grade 9s

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**

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**

### **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. Expand your Programming experience by working with and building Lego Mindstorm Robots!

### **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.

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## **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.

### **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.

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## CAREER EDUCATION

### Career Education 9 (Students will complete course requirements within their core courses)

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 takes up 2 blocks).

This course must be taken with CLC 12 to allow for a half day work placement off campus.

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.

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

Architectural Drafting (Grade 12)

Automotive Service Technician (Grade 12)

Aviation Ground School (Grade 11/12)

Carpentry- Green Building (Grade 12)

Cybersecurity

Electrical (Grade 12)

Hairstylist (Grade 11/12)

Heavy Equipment Operator (Grade 12)

Horticulture (Grade 12)

Professional Cook (Grade 11/12)

Welding Foundation (Grade 12)

#### \*Programs under review:

Applied Business Technology (Grade 12)

Health and Human Services (Grade 11/12)

### Regional Career Programs (RCP) Trades training foundations programs with VERY limited seats. (See Mr. Paul Gill for details)

#### Offered at UFV:

Automotive Collision Repair and Refinishing

Heavy Duty Mechanic

Joinery

Plumbing and Piping

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**Offered at KPU (Kwantlen Polytechnic University):**

Arborist Technician

Landscape Horticulture

Masonry

Metal Fabrication

Millwright/ Industrial Mechanic

Parts and Warehousing

Plumbing and Piping

Welder

**Youth Work in Trades (WRK) (16 Credits)**

Youth Work in Trades provides skill development through practical, hands-on work experience. Students enrolled in these courses go to work and attend high school at the same time. That means they have found an employer who is willing to take them on (and pay them) as an apprentice. Students that are 15 or older can enroll in this program. They must also formally register with the Industry Training Authority as Youth Apprentices. Successful completion of the program earns students 16 credits towards graduation. Some may also qualify for the Youth Work in Trades (WRK) Award, a \$1000 award given to students for sustained and exceptional work as an apprentice. If you are a high school student already working as an apprentice, speak to Mr. Gill about signing up for this program.

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## ENGLISH LANGUAGE ARTS

GRADE 9	GRADE 10	GRADE 11	GRADE 12	ELL – ALL GRADES
English 9	English 10 English 10 ELL (Language Enriched)	Composition 11 Creative Writing 11 Literary Studies 11 New Media 11 Spoken Language 11	English Studies 12 English First Peoples 12 Creative Writing 12 English Elective 12 Literary Studies 12 Connect 12 (Interdisciplinary Studies -2 Blocks)	Academic Language Acquisition English Language Learner (ELL)

### 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.

### 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. Course enrollment upon ELL teacher recommendation.

### 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:

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## **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, Indigenous and non-Indigenous, 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.

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### **Connect: Interdisciplinary Indigenous Studies Cohort (2 Blocks)**

A new cross-curricular cohort opportunity that earns Grade 12 graduation requirements in English, Social Studies, and Careers (3 courses in only 2 blocks!) This cohort, open to ALL Grade 12 students, both Indigenous and non-Indigenous, meets each day in two back-to-back blocks to facilitate off-campus opportunities. CONNECT uses the First Peoples Principles of Learning to focus on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text such as song, film, prose, IG, Twitter, blogs, novels, and more. Students will be supported in their pursuit of learning through projects and seminars guided by their own curiosity and interest. This cohort earns you credit for:

**Contemporary Indigenous Studies** (Social Studies Requirement) 4 credits

**English First Peoples 12** (English 12 Requirement) 4 credits

**Career Life Connections 12** (Grad requirement) 4 credits

### **English Language Arts Electives:**

**(Students must still take English Studies 12 or English First Peoples 12 to satisfy Ministry graduation requirements.)**

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.

#### **English Elective 12**

Recommended for students who are self-motivated and want to pursue an area of passion in the English Language Arts, this course is a blend of teacher instruction and individual student inquiry. During the first part of the course, students will be guided through the process of developing a topic and scope for their project, creating a proposal, and setting up a timeline and assessment framework. Students will then complete their chosen project within the semester to earn one of the following credits: Composition 12, Creative Writing 12, Literary Studies 12, New Media 12, Spoken Language 12. Do you want to write a novel? Are you interested in a particular author or genre? Would you like to create your own podcast series? These are just a few possibilities you could explore in this course. If you are interested, talk with your current English teacher about your ideas or come see Ms. Taylor in room 406.

#### **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. The teaching of grammar is integrated throughout all units. 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 academic courses.

### **English Language Acquisition**

In this 4-credit course, students 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 activities focused on real-life situations. Intended for levels 2 and 3 English Language Learners who want to increase their basic communication skills.

**\*ELL Support Classes** – Language acquisition and communication skills are taught through a variety of themes. Time is also given to scaffold and support learning in academic courses. This is a non-graded, non-credit course where the emphasis is on individual learning. (\*This course is not part of the course-selection options. Beginning level students are enrolled on the recommendation of ELL teachers.)

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## **FRENCH IMMERSION**

<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
Education physique et santé 9 Français langue 9 Mathématiques 9 Sciences humaines 9	Education au choix de carrière et de vie Français langue 10 Sciences humaines 10	Études du cinéma et de la littérature francophones 11 Histoire du monde au XXe siècle 12	Français langue 12 Communication orale / FCLC 12

### **GRADE 9**

#### **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.

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## **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.

## **Mathématiques 9**

This French Immersion course follows the same curriculum as the English track. See description for Math 9.

## **Sciences humaines9**

This FL course follows the same curriculum as the English track. See description for Science 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 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**

See English description of 20<sup>th</sup> Century World History 12

## **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 / Liens avec la vie personnelle et professionnelle 12 (FCLC 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. The FCLC requirements will also be met within this course.

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## LANGUAGES

GRADE 9	GRADE 10	GRADE 11	GRADE 12
French 9 German Introductory 11	French 10 German Introductory 11 German 11	French 11 German Introductory 11 German 11	French 12

### 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.

#### 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.

### GRADE 10

#### French 10

Recommended: FR 9

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.

#### 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.

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## **GRADE 11**

### **French 11**

Recommended: FR 10

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 Intro German 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.

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## MATHEMATICS

<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
Mathematics 9 Foundations	Workplace Mathematics 10  Foundations of Mathematics & Pre- Calculus 10	Workplace Mathematics 11  Foundations of Mathematics 11 Pre-Calculus 11	Foundations of Math 12 Pre-Calculus Math 12 Calculus 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

#### 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.

#### 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.

### GRADE 11

#### 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.

#### 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

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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 (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.

## **GRADE 12**

### **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%

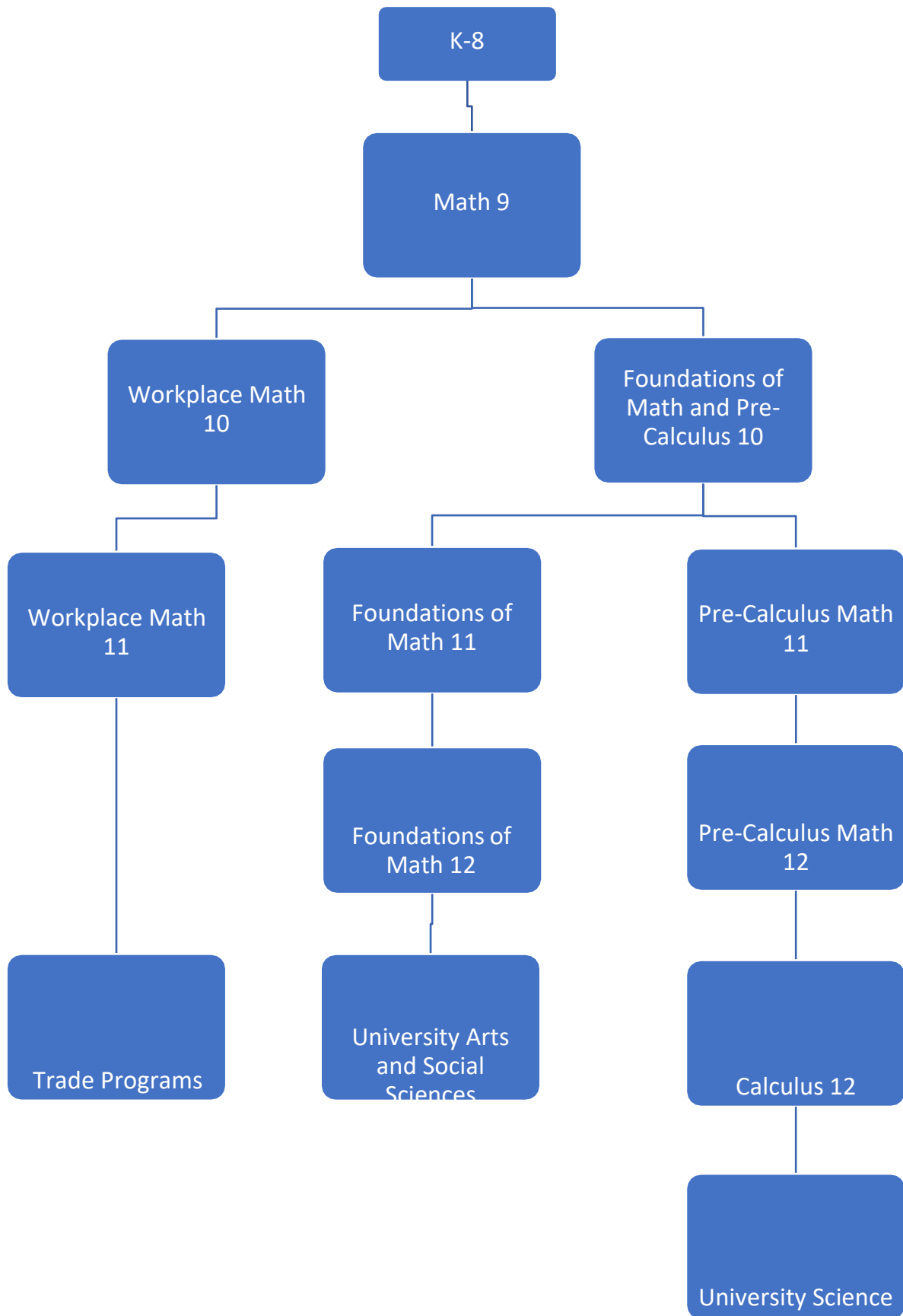
This is an academic course. Designed for students who have an interest in mathematics, or who have career aspirations in the fields of engineering, mathematics, the sciences, economics, and some business programs. The main purpose is to develop the skills needed to continue on with the study of calculus. 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.

### **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.

## MATH FLOW CHART:

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# MUSIC

<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
Instrumental Music (Band) 9	Instrumental Music (Band) 10	Instrumental Music (Band) 11	Instrumental Music (Band) 12
Instrumental Music (Jazz Band) 9, Extended Day	Instrumental Music (Jazz Band) 10, Extended Day	Instrumental Music (Jazz Band) 11, Extended Day	Instrumental Music (Jazz Band) 12, Extended Day
Choral Music: (Choir) 9, Extended Day	R&B Band (Contemporary Music 10) Extended Day Choral Music (Choir) 10, Extended Day	R&B Band (Contemporary Music 11) Extended Day Choral Music (Choir) 11, Extended Day	R&B Band (Contemporary Music 11) Extended Day Choral Music (Choir) 12, Extended Day

## 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.

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### **R&B Band (Contemporary Music 10), Extended Day**

This class is open to any student that wants to sing or play the trumpet, saxophone, trombone, electric guitar, keyboard, electric bass, or drum kit. Students will play and perform a variety of styles including rock, blues, pop, and many more. This course will cover sound production, improvisation, performance, stage presence, and the techniques involved in playing or singing a variety of styles of music.

### **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.

### **R&B Band (Contemporary Music 10), Extended Day**

This class is open to any student that wants to sing or play the trumpet, saxophone, trombone, electric guitar, keyboard, electric bass, or drum kit. Students will play and perform a variety of styles including rock, blues, pop, and many more. This course will cover sound production, improvisation, performance, stage presence, and the techniques involved in playing or singing a variety of styles of music.

### **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.

### **R&B Band (Contemporary Music 10), Extended Day**

This class is open to any student that wants to sing or play the trumpet, saxophone, trombone, electric guitar, keyboard, electric bass, or drum kit. Students will play and perform a variety of styles including rock, blues, pop, and many more. This course will cover sound production, improvisation, performance, stage presence, and the techniques involved in playing or singing a variety of styles of music.

### **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

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Physical and Health Education 9	Physical and Health Education 10	Active Living 11	Active Living 12
Physical and Health Education 9 - Community Recreation 9	Physical and Health Education - Community Recreation 10	Outdoor Education 11	Outdoor Education 12
	Extreme Outdoor Education 10 – Extended Day	Extreme Outdoor Education 11 – Extended Day	Extreme Outdoor Education 12 – Extended Day
	Fitness & Conditioning 10/11/12 Female	Fitness & Conditioning 11 Co-ed course	Fitness & Conditioning 12 Co-ed
	Fitness & Conditioning - Superfit 10/11/ 12 Co-ed	Fitness & Conditioning 10/11/12 Female	Fitness & Conditioning 10/11/12 Female
	Fitness and Conditioning 10(Sports Performance) – Extended Day	Fitness and Conditioning 11(Sports Performance) – Extended Day	Fitness & Conditioning - Superfit 10/11/ 12 Co-Ed
	Fitness & Conditioning 10 Co-ed course	Fitness & Conditioning - Superfit 10/11/ 12 Co-Ed	Fitness and Conditioning 12(Sports Performance) - Extended day
		Physical and Health Education Peer Tutor 11	Physical and Health Education Peer Tutor 12

### GRADE 9

#### Physical and Health 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 and Health 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,

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however all expenses associated with the adventure and leisure enhancement opportunities will need to be covered by the student.

## **GRADE 10**

### **Physical and Health Education 10**

Only this course **or** Physical Health and Education 10-Community Recreation meet the PHE 10 credit required for graduation.

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 and Health Education - Community Recreation 10**

Only this course **or** Physical Health and Education 10 meet the PHE 10 credit required for graduation.

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.

### **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 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.

### **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.

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# 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.

## 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.commrecrextreme.com](http://www.commrecrextreme.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.

## 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 & 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 and Conditioning 11 (Sports Performance) – 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, students must get the approval of the PHE Department Head.

## 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

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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 to 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 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.

### **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.commrecreate.com](http://www.commrecreate.com).

### **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 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.

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### **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 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.

### **Fitness and Conditioning 12 (Sports Performance) - 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, students must get the approval of the PHE Department Head.

### **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.

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## SCIENCE

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Science 9	Science 10	Chemistry 11 Earth Science 11 Life Sciences 11 Physics 11	Anatomy and Physiology 12 Chemistry 12 Geology 12 Physics 12 Specialized Science (Laboratory Practice) 12

### GRADE 9

#### Science 9

Science 9 is an exploration and activity-oriented course. A calculator is recommended for this 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 Cycles.

### GRADE 10

#### Science 10

Science 10 is a continuation of the concepts studied in Science 9. The course material is concept-oriented and requires mathematical calculations and problem-solving approaches. A calculator is required for this course. 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 Life Science 11 & Chemistry 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).

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## **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.

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## SOCIAL STUDIES

<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11 &amp; 12</b>
Social Studies 9	Social Studies 10	20th Century World History 12 Comparative Cultures 12  Connect-Interdisciplinary: Indigenous Studies Cohort Law Studies 12 Physical Geography 12 Social Justice 12 *[Psychology 11] *[Psychology 12]

### 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 analyze 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,

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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!

### **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.

### **Connect: Interdisciplinary Indigenous Studies Cohort (2 Blocks)**

A new cross-curricular cohort opportunity that earns Grade 12 graduation requirements in English, Social Studies, and Careers (3 courses in only 2 blocks!) This cohort, open to ALL Grade 12 students, both Indigenous and non-Indigenous, meets each day in two back-to-back blocks to facilitate off-campus opportunities. CONNECT uses the First Peoples Principles of Learning to focus on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text such as song, film, prose, IG, Twitter, blogs, novels, and more. Students will be supported in their pursuit of learning through projects and seminars guided by their own curiosity and interest. This cohort earns you credit for:

**Contemporary Indigenous Studies** (Social Studies Requirement) 4 credits

**English First Peoples 12** (English 12 Requirement) 4 credits

**Career Life Connections 12** (Grad requirement) 4 credits

### **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.

### **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.

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**Psychology 11** \*(This course **does not** satisfy the SS 11/12 or Fine Arts/Applied Skills graduation requirement.)  
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** \*(This course **does not** satisfy the SS or Fine Arts/Applied skills11/12 graduation requirement.)  
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.