



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.

Computer Coding 9

No computer knowledge is needed to have fun and succeed in this course! All classwork is completed on the computer. Minecraft – Explore and build worlds. Lego Mindstorms – Build and bring your own Lego robot to life and learn to code at the same time! App Inventor – Write mobile apps and games to install on your own phone. Code your own website with HTML. Create various Internet and Social Media projects. This course is essential for anyone wanting to increase their knowledge of computer and Internet technology.

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.

Electronics and Robotics 9

An introductory course that allows students to explore the areas of design, electronics, and robotics. Students will refine prototypes, learn how to code, and compete in design challenges. In this course students must produce solutions to the design challenges they are given. Students will explore electrical theory using parallel and series circuits, produce simple circuits from schematic drawings, use diagnostic and testing instruments, learn the function and use of hand tools, as well as operation of stationary equipment. Students will also learn how to build a functional robot, use block-based coding or logic-based programming to control the robot's behavior.

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.

Media Arts 9

Media Arts 9 is a fun computer-based course where you will develop skills and produce original work in 2D graphics, animation, video, sound, and game design. Evaluation will consist primarily of completed projects and assignments. This is designed as a survey course to introduce you to all the Media Design courses offered here at WJ Mouat. Software includes Adobe Photoshop CC, Adobe Animate CC, and many Web 2.0 applications. If you are interested in art, media, film, animation, and video games, this is the course for you!

Metalwork 9

Introductory course in metal work. Students will experience metal art, jewelry design, CNC plasma cutting, decorative metalwork 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.

Student Leadership- Indigenous 9, Extended Day

This course is separated into four sections: spirit, heart, body, and mind – this is symbolic of the teachings of the medicine wheel. Students will work on their own and collaborate with others on various projects. The class also contains opportunities for students to learn principles of effective leadership.

***This course does not meet the Applied Skills graduation requirement but earns 4 credits.**

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 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 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 Trades 9

This is an introductory course that will introduce female students to jewelry making, woodworking, metalwork, 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, learn how to code, and compete in design challenges. In this course students must produce solutions to the design challenges they are given. Students will explore electrical theory using parallel and series circuits, produce simple circuits from schematic drawings, use diagnostic and testing instruments, learn the function and use of hand tools, as well as the operation of stationary equipment. Students will also learn how to design a functional robot, use block-based coding or logic-based programming to control the robot's 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.

Journalism 10

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!

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

Metalwork 10

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

Power Technology 10

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

Student Leadership- Indigenous 10, Extended Day

This course is separated into four sections: spirit, heart, body, and mind – this is symbolic of the teachings of the medicine wheel. Students will work on their own and collaborate with others on various projects. The class also contains opportunities for students to learn principles of effective leadership.

***This course does not meet the Applied Skills graduation requirement but earns 4 credits.**

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.

Women in Trades 10

This is an introductory course that will introduce female students to jewelry making, woodworking, metalwork, 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 11

Automotive Technology 11

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

Culinary Arts Cafeteria 11

The Culinary Arts Cafeteria Program will introduce students to a learning environment comparable to a professional, entry level food service kitchen. The program requires active participation and engagement in that the students will learn basic restaurant skills including safety and sanitation, food preparation (baking, sandwich

and salad making, meat, fish and poultry cookery, short-order cooking, soups and sauce preparation, vegetable, pasta and rice cookery), operation and maintenance of industrial equipment, as well as customer service. In a practical hands-on setting students will learn to cater daily feature menu items and snacks to the student population through the school cafeteria. All students will be given the opportunity to achieve their Food Safe Level 1 certificate during the first weeks of this course.

Drafting 11

Open to all grade 11 & 12 students.

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 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.

Journalism 11

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!

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

Metalwork 11

An introductory course in metal work. Students will experience sheet metal, CNC plasma cutting, decorative metalwork and welding. Heavy emphasis will be placed on safe work practices and use of tools in this

introductory course. Students will work both individually and in teams through various workstations. Students will be introduced to the growing opportunities in employment in related fields.

Peer Tutoring 11

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

Student Leadership- Indigenous 11, Extended Day

This course is separated into four sections: spirit, heart, body, and mind – this is symbolic of the teachings of the medicine wheel. Students will work on their own and collaborate with others on various projects. The class also contains opportunities for students to learn principles of effective leadership.

***This course does not meet the Applied Skills graduation 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 are not limited to furniture (coffee tables, end tables, beds, entertainment stands), lathe turning (bowls, goblets and pens), skateboards and longboards, CNC machining of signs.

Women 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.

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.**

Automotive Engine & Drive Train 12

Recommended: AT11, AT12 and with Teacher's permission.

Advanced level of automotive skills that emphasize 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.

Culinary Arts Cafeteria 12

The Culinary Arts Cafeteria Program will introduce students to a learning environment comparable to a professional, entry level food service kitchen. The program requires active participation and engagement in that the students will learn basic restaurant skills including safety and sanitation, food preparation (baking, sandwich and salad making, meat, fish and poultry cookery, short-order cooking, soups and sauce preparation, vegetable, pasta and rice cookery), operation and maintenance of industrial equipment, as well as customer service. In a practical hands-on setting students will learn to cater daily feature menu items and snacks to the student population through the school cafeteria. All students will be given the opportunity to achieve their Food Safe Level 1 certificate during the first weeks of 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.

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 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.

Journalism 12

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 Yearbook 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!

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

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 workstations.

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 relationships, 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.**

Student Leadership- Indigenous 12, Extended Day

This course is separated into four sections: spirit, heart, body, and mind – this is symbolic of the teachings of the medicine wheel. Students will work on their own and collaborate with others on various projects. The class also contains opportunities for students to learn principles of effective leadership.

***This course does not meet the Applied Skills graduation 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.

Women in Trades 12

This is a trades exploratory course open to all grade 12 female students, whether they have taken a shop course or not. 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.

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.

Visual Arts 9

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

GRADE 10

Art Studio 10

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

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 10s

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, using 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 102SHQR*UDGH6WXGHQV

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 Studio 11

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

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 using 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.

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 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 Studio 12

In this course students will make art with personal identity and culture in mind. Students will learn about past and present art forms. There will be a focus on student growth through skill and portfolio development. Students will be taught how purposeful artistic choices enhance the depth and meaning of artistic work. Students will learn how aesthetic experiences have the power to transform our perspective.

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 is 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 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
Computer Coding 9 Entrepreneurship & Marketing 10 Media Arts 9	Computer Programming 11 Entrepreneurship & Marketing 10 Media Design 10	Accounting 11 Business Computer Applications 12 Computer Programming 11 Media Design 11	Business Computer Applications 12 Computer Programming 12 Economics 12 Entrepreneurship 12 Financial Accounting 12 Media Design 12

GRADE 9

Computer Coding 9

No computer knowledge is needed to have fun and succeed in this course! All classwork is completed on the computer. Minecraft – Explore and build worlds. Lego Mindstorms - Build and bring your own Lego robot to life and learn to code at the same time! App Inventor – Write mobile apps and games to install on your own phone. Code your own website with HTML. Create various Internet and Social Media projects. This course is essential for anyone wanting to increase their knowledge of computer and Internet technology.

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 Arts 9

Media Arts 9 is a fun computer-based course where you will develop skills and produce original work in 2D graphics, animation, video, sound, and game design. Evaluation will consist primarily of completed projects and assignments. This is designed as a survey course to introduce you to all the Media Design courses offered here at WJ Mouat. Software includes: Adobe Photoshop CC, Adobe Animate CC, and many Web 2.0 applications. If you are interested in art, media, film, animation, and video games, this is the course for you!

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 an impact on 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

No computer knowledge is needed to have fun and succeed in this course! All classwork is completed on the computer. Create fun cartoons with 2D Animation. Design and play role-playing video games with Gamemaker. Edit your own game avatars with Photoshop. Record and edit movies and sound with MIDO and Wav programs. This course is essential for anyone wanting to increase their knowledge of computer and Internet technology. This course is essential for anyone who enjoys or plans a career in graphic design.

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.

Business Computer Applications 12

The business world runs on Microsoft Office – Word and Excel – Learn the software that will give you the edge in your next job search or your chosen career. Gain proven technical skills employers look for in today's innovation economy. Practice real-world experience in office procedures. You will learn to accurately format your research papers with table of contents, page numbering, and references. Enhance your learning with Corporation Inc. Office simulation game. No prior computer experience is needed to enjoy and succeed in this course!

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 an impact on 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.

GRADE 12

Business Computer Applications 12

***Grade 11s may take this course**

The business world runs on Microsoft Office – Word and Excel – Learn the software that will give you the edge in your next job search or your chosen career. Gain proven technical skills employers look for in today's innovation economy. Practice real-world experience in office procedures. You will learn to accurately format your research papers with table of contents, page numbering, and references. Enhance your learning with Corporation Inc. Office simulation game. No prior computer experience is needed to enjoy and succeed in this course!

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.

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. The course will conclude with a culminating Capstone presentation in which students reflect on their K to 12 learning experience and share their plans and goals for the future.

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 (Grade 11/12)
Early Childhood Education (Grade 11/12)
Electrical (Grade 12)
Hairstylist (Grade 11/12)
Heavy Equipment Operator (Grade 12)
Horticulture (Grade 12)
Professional Cook (Grade 11/12)
Welding Foundation (Grade 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

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 with 900+ hours of work and a C + average in their grade 12 year. If you are a high school student already working as an apprentice, speak to Mr. Gill about signing up for this program.

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 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:

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.

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.)

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 opportunities 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.

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. This course may be taken as a grade 12 elective if a student did not take Literary 11 Studies.

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.)

FRENCH IMMERSION

GRADE 9	GRADE 10	GRADE 11	GRADE 12
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 and Liens avec la vie personnelle et professionnelle 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.

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 humaines 9

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

GRADE 10

Education au choix de carrière et de vie

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

Français langue 10

Recommended: Beschereille

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 20th 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.

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: French 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: French 9

In French 10, students will continue to progress in all areas of French reading, writing, speaking, and listening competencies. Students will participate in a variety of partner and group activities that will allow them to become more comfortable using the language.

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 11

French 11

Recommended: French 10

In French 11, students will expand their abilities in areas of reading, writing, speaking and listening, especially by learning new verb tenses, grammatical structures and vocabulary that will allow them to express themselves in greater depth. Students who successfully complete this course will have met the second language requirement for entrance to a B.C. university.

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: French 11

French 12 is a course which allows students to further develop their ability to use and understand the French language in all its forms. Students will have the opportunity to improve their fluency and proficiency in French. Graduating French 12 students have the possibility of entering second year French courses in their future chosen university or college.

MATHEMATICS

GRADE 9	GRADE 10	GRADE 11	GRADE 12
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 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)

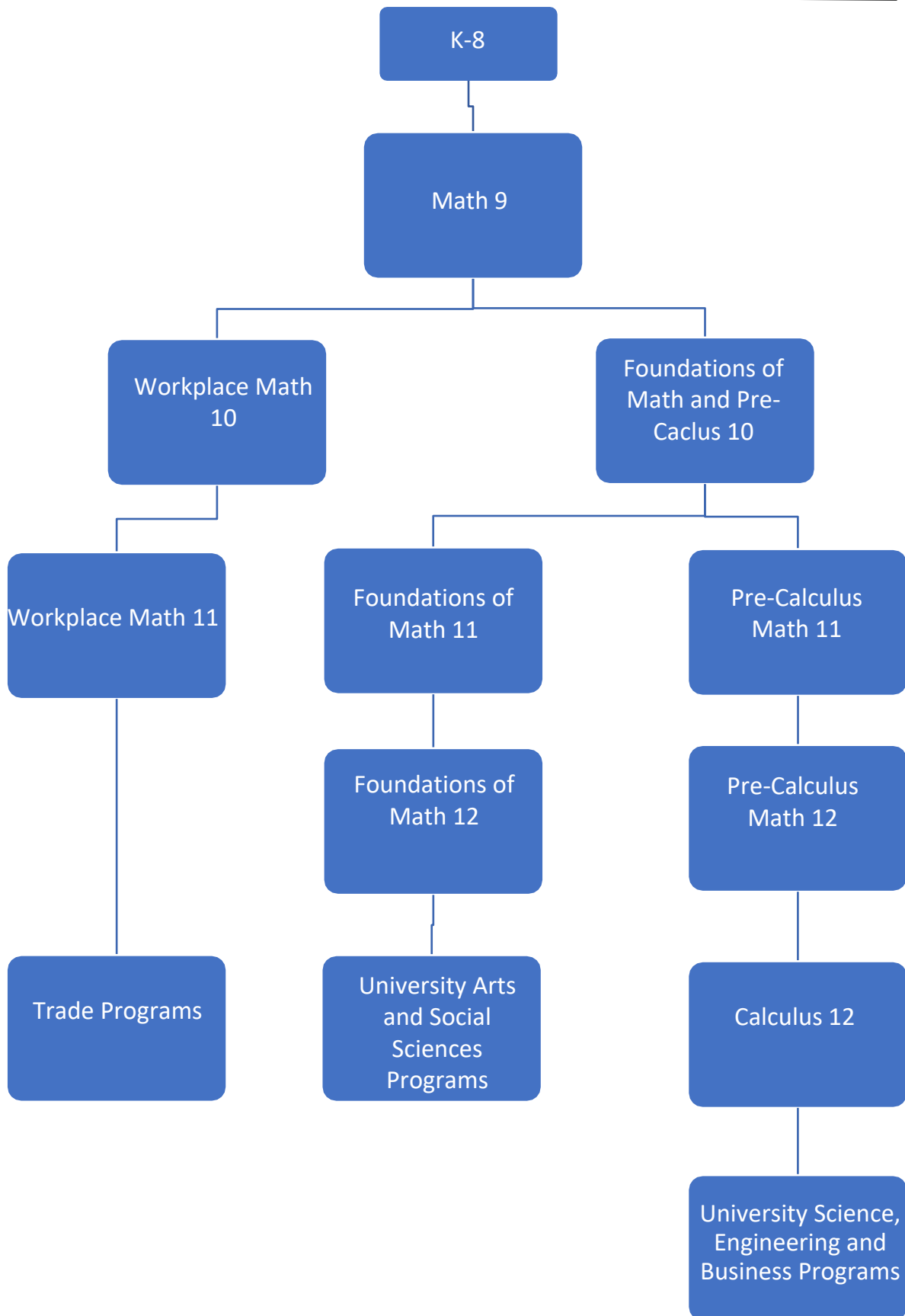
Recommended: PREC 11 with 65%

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 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 to register for a university or college math course are strongly recommended to take this course.

MATH FLOW CHART:



MUSIC

GRADE 9	GRADE 10	GRADE 11	GRADE 12
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	Choral Music (Choir) 10, Extended Day	Choral Music (Choir) 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.

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.

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.

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 Female	Physical and Health Education 10	Active Living 11	Active Living 12
Physical and Health Education 9 Male	Physical and Health Education/Outdoor Education10	Outdoor Education 11	Outdoor Education 12
Physical and Health Education 9/Outdoor Education 9 Co-ed	Fitness & Conditioning 10 Co-ed	Extreme Outdoor Education 11 – Extended Day	Extreme Outdoor Education 12 – Extended Day
	Fitness & Conditioning 10 Female	Fitness & Conditioning 11 Co-ed course	Fitness & Conditioning 12 Co-ed
	Extreme Outdoor Education 10 – Extended Day	Fitness & Conditioning 11 Female	Fitness & Conditioning 12 Female
	Fitness and Conditioning 10 (Sports Performance) – Extended Day	Fitness and Conditioning 11 (Sports Performance) – Extended Day	Fitness and Conditioning 12 (Sports Performance) - Extended day
		Sport Medicine 11	

GRADE 9

Physical and Health Education 9

Students can only sign up for either this course **or** Physical Health and Education/Outdoor Education 9. Students will participate in a variety of 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), weightlifting, 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 /Outdoor Education 9

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

GRADE 10

Physical and Health Education 10

Only this course **or** Physical Health and Education/Outdoor Education 10 meets the PHE 10 credits required for graduation.

Students will participate in a variety of 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), weightlifting, 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/Outdoor Education 10

Students can only sign up for this course **OR** Physical Health and Education 10. This course provides students with PHE 10 credits 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.

Extreme Outdoor Education 10 – Extended Day

(Formerly Community Recreation Extreme)

This course is for the outdoor enthusiast who is looking for timetable flexibility and a greater challenge than provided by regular PHE Outdoor Education offerings. This full year linear course will focus on introducing students to outdoor education by 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 points throughout the course. The cost of these outings will vary and will be the responsibility of the student.

Fitness & Conditioning 10 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, logbooks and quizzes on training principles.

Fitness and Conditioning 10 (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 & Conditioning 10 Co-ed

Want to work out but cannot 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 logbooks, and quizzes.

GRADE 11

Active Living 11 Co-ed

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. The 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 PHE curriculum by giving students an opportunity to experience leisure and adventure activities in the community. Students will learn specific outdoor education skills, while they participate in more complex leisure opportunities. In addition, students will be given the opportunity, over the course of the school year, to go on many full day adventure outings offered as curricular enhancements through the extended day program. There is no course fee for this class, however all expenses associated with the adventure and leisure enhancement opportunities will need to be covered by the student. For real time pictures, videos, and descriptions of Outdoor Education activities visit our website at www.commrecextreme.com.

Extreme Outdoor Education 11 – Extended Day

(Formerly Community Recreation Extreme)

This course is for the outdoor enthusiast who is looking for timetable flexibility and a greater challenge than provided by regular Outdoor Education offerings. This full year linear course will focus on building specific outdoor survival skills, while providing students the opportunity to experience 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 points throughout the course. The cost of these outings 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 logbooks, and quizzes.

Fitness & Conditioning 11 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 logbooks 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.

Sport Medicine 11

Recommended: PE 10

Sport medicine is a senior course for students interested in sports, fitness, and recreation. Any student wanting to pursue a career in athletic training, kinesiology, physical therapy, physical education, or medicine will benefit from taking this course. Students will learn about human physiology, nutrition, and body mechanics. Students will also have hands-on training in athletic taping as well as learn how to treat various athletic injuries. For students who are athletes or want to pursue a career in the athletic field this is the perfect course for you.

GRADE 12

Active Living 12 – Co-ed

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. The 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 Co-ed course

(Formerly Community Recreation)

This course supplements the traditional PE curriculum by giving students an opportunity to experience leisure and adventure activities in the community. Students will expand their knowledge of outdoor education skills learnt in previous courses, develop leadership skills, and participate in more complex leisure opportunities. In addition, students will be given the opportunity, over the course of the school year, 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.commreceptreme.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 building on the foundational outdoor survival skills developed in previous courses and provide students with opportunities to develop their capacity as leaders. Students will have the opportunity to experience 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 points throughout the course. The cost of these outings will vary and will be the responsibility of the student.

Fitness & Conditioning 12 Co-ed

Want to work out but cannot 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 logbooks, and quizzes.

Fitness & Conditioning 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 logbooks and quizzes on training principles.

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.

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 big ideas include a) Biology – Cells are derived from other cells, b) Chemistry – Electron arrangement of atoms impacts their chemical nature, c) Physics – Electric current is the flow of electric charge d) Earth Science – The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.

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 big ideas include a) Chemistry - Energy change is required as atoms rearrange in chemical processes, b) Biology – DNA is the basis for the diversity of living things, c) Physics – Energy is conserved, and its transformation can affect living things and the environment and d) Earth Science –The formation of the universe can be explained by the big bang theory.

GRADE 11

Chemistry 11

Recommended: Minimum 73% in SC 10 and 67% in FMP 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 73% in SC 10 and 67% in FMP 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 or high standing in Science 10 with instructor's permission. This class is regarded as a science credit for many university admissions.

Venture into the outdoors with Geology 12. Learn about the physical world around you. The major topics include a) Earth Materials, b) Internal Earth Structures and Processes (e.g. plate tectonics), c) Earthquakes and Volcanoes, d) Surface Processes (e.g. glaciers and rivers), e) Geological Time and The Fossil Record, f) Earth Resources and g) Planetology (the study of planets in our solar system).

Physics 12

Recommended: Minimum 73% in PH 11 & PREC 11 as mastery of PH 12 requires strong mathematical skill.

Students will apply vector analysis to a variety of problem-solving situations. This course is intended for serious students who are continuing their education at university. Students will be expected to do 1.5 hrs. of homework every day. Major topics include a) Kinematics (motion), b) Dynamics (forces), c) Energy & Momentum, d) Equilibrium (static forces), e) Circular Motion & Gravity, f) Electrostatics and g) Electromagnetism.

Specialized Science (Laboratory Practice) 12

(Formerly Bio/Chem Prep.) Recommended enrollment in: ANAT 12 and/or CH 12

Designed for students taking Anatomy and Physiology 12 and Chemistry 12 who are planning to enroll in university science courses. Students will perform university level laboratory research and technical report writing. Lab skills and critical thinking are emphasized. This course has been developed to improve student success in university, both financially and academically. Students that have taken 'Specialized Science 12', tell us how much better prepared they were compared to their peers in first year at college or university. You will excel in lab classes at university after taking this course.

SOCIAL STUDIES

GRADE 9	GRADE 10	GRADE 11 & 12
Social Studies 9	Social Studies 10	20th Century World History 12 BC First Peoples 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 graduation requirement.

Learn about the roots of some of today's most pressing current events in 20th Century World History 12. In this academic course, using guided projects, lectures, and a historical research paper, we will delve into the major events, people, institutions and ideological forces that shaped the Twentieth Century and how they continue to reverberate through the Twenty-first. By examining how historical forces have shaped the modern world,

teaching you the academic tools and methods of the historian, and honing your historical thinking skills, 20th Century World History 12 will prepare you for both post-secondary schooling and lifetime success!

BC First Peoples 12

BC First Peoples 12 is an academic course intended for students who are looking to add to their academic transcript. Students will be exposed to the identities, worldviews, and languages of BC First Peoples as we renew, sustain, and transform our connection to the land. Specifically, students will look at the impact of contact and colonialism as it continues to affect the political, social, and economic lives of BC First Peoples. Students will explore the rich diversity and resilience of BC First Peoples while investigating self-governance, leadership, and self-determination challenges. Universities and colleges are looking for students to have some experience with First Peoples before entering their institutions – come discover the unwritten history of BC.

Comparative Cultures 12

This course satisfies the SS 11/12 graduation 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 graduation 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 graduation 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.

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 understanding 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.