

2026

2027

School

Year

Fraser Heights Secondary

Grade 10-12 Course Selection Book

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Course Planning for Success

The courses offered follow guidelines set out by the Ministry of Education and the Surrey School Board. The courses you choose may help you to explore new fields and perhaps find capabilities and interests you never knew you had. Selecting elective courses is an important process and should be carried out in consultation with parents/guardians. Because courses with insufficient enrollment will not be offered, it is important that students choose alternate electives with care. Please review your graduation program carefully to ensure that you have enough credits to graduate and to meet the entrance requirements for the post-secondary institution to which you wish to apply. If you have any questions, please email your school counsellor.



Graduation Requirements

2023 Graduation Program

The BC Certificate of Graduation, or Dogwood Diploma, is awarded to students who successfully complete the provincial graduation requirements. To graduate, students require at least **80 credits** total.

Of these 80 Credits

- 52 Credits are required from the following (each course is worth 4 credits):
  - Physical & Health Education 10.
  - Science 10, and a Science 11 or 12.
  - Social Studies 10, and a Social Studies 11 or 12.
  - Math 10, and a Math 11 or 12.
  - An English 10, 11 and a required 12 course.
  - An Arts Education 10, 11 or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12.
  - Career Life Education 10 and Career Life Connections 12
  - Indigenous focused course.

  - At least 28 credits must be elective course credits

  - At least 16 credits must be at the Grade 12 level, including a required English 12 course and the Career Life Connections course.

In addition, students must also complete three Provincial Graduation Assessments:

Grade 10 Numeracy Assessment	Grade 10 Literacy Assessment	Grade 12 Literacy Assessment

Students will be scheduled for these assessments as part of their English 10, Math 10 and English 12 courses. If you are taking or have taken any of those courses through Summer School or online, you will be scheduled for the assessment and will be notified of the assessment date and time.

Career Life Education 10

Career Life Education 10 – MCLE-10

Career Life Education 10 is among the courses that are required for graduation requirements. Through CLE 10, students explore the elements of Education and Careers, Finances, and the Graduation Program (Course requirements, exams, focus areas and Graduation Transitions). The aim of CLE 10 is to enable students to develop the skills, knowledge, and attitude they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life. Specifically, CLE 10 provides opportunities for students to explore a wide range of career and post-secondary education and career options, develop financial literacy skills, and plan actions required to pursue post-secondary destinations and career paths. CLE 10 provides relevant and experiential learning opportunities, helping students relate their learning in school to the demands of the working world and expectations of society.

Career Life Connections & Capstone Hybrid

Career Life Connections 12 Hybrid– MCLC-12-HYBRID

Prior to Graduation, students will be required to complete 4 credits of senior career exploration through the Career Life Connections course, as well as a Capstone project and presentation.

CLC focuses on applying personal career-life management knowledge skills, and strategies to each students personal life journey. The Capstone project asks students to present their journey as a student and their reflection on the thinking, communication, and personal/social core competencies, as well as explain their proposed path forward into post-secondary life.

Other Careers Courses

Work Experience 12A – MWEX-2A

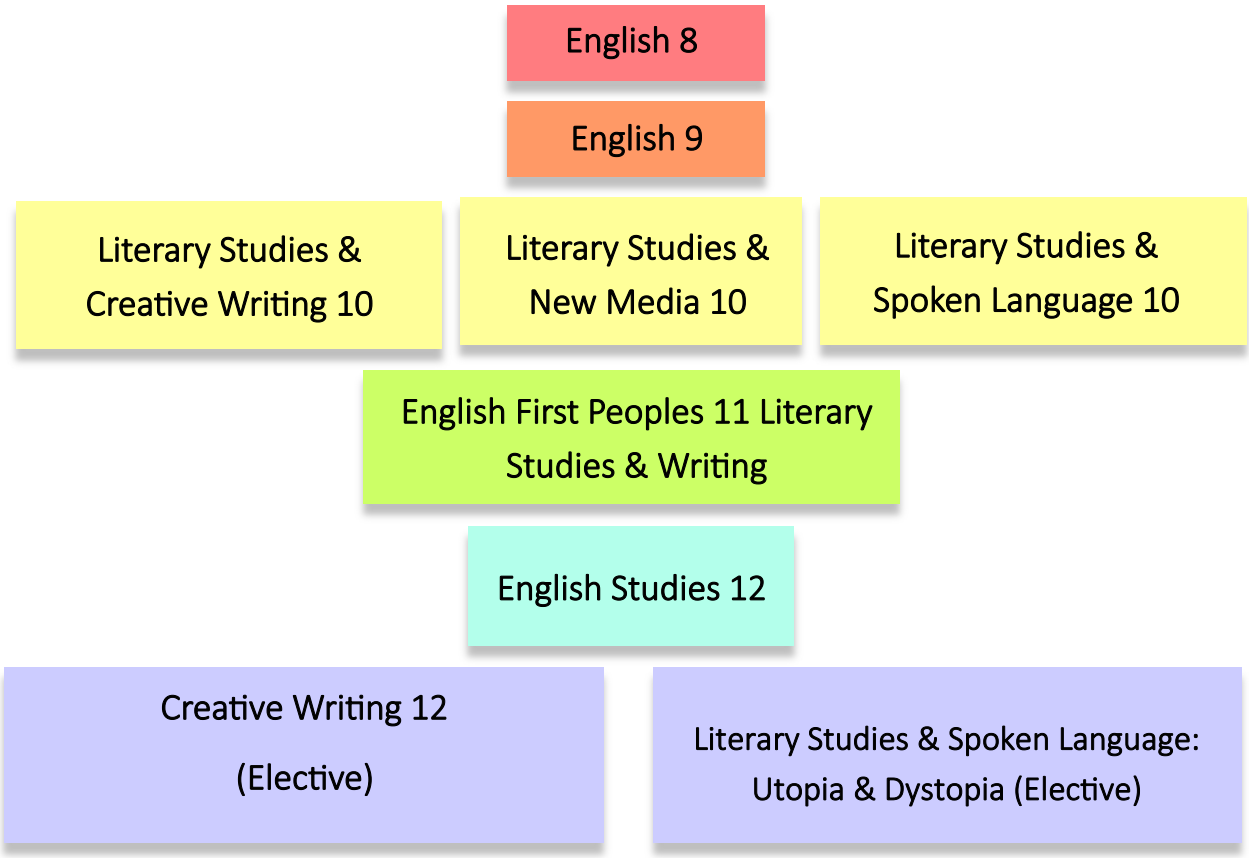
Work experience is intended to prepare students for the transition from secondary school to the world of work or further training and education. WEX allows students to connect what they learn in school with the skills and knowledge needed in the workplace and society in general. Through work experience opportunities, the community provides a “classroom” where students can gain knowledge and experience about the workplace and their own careers. Students must complete 100 hours of work, and if they are successful, they will gain 4 Grade 12 credits, a Career Diploma in one of eight designated areas of study, and valuable experience for their resume.

Work Experience 12B – MWEX-2B

Students who are successful in WEX12A can take an additional course that provides 4 more credits and a second Career Diploma. The expectations of this course are the same as they would be for WEX12A. This is a good option for those students who decide on a career path after they have completed their first work experience.

English

English 10, 11 and 12, must be successfully completed by all students as part of their Grade 12 graduation requirements.



English 10 – Choose from 1 of the following 3 combinations:

1) Literary Studies & Creative Writing 10 – MLTST10/MCTWR10

In this course students will explore and apply various writing processes and will be encouraged to express themselves creatively in a supportive community. Students will experiment with, reflect on, extend, and refine their writing. Students will delve deeply into literature (fiction and non-function) as they explore specific themes, periods, authors, or areas of the world, as well as work on their writing skills for academic settings. Students will develop higher level thinking and learning skills to broaden their understanding of themselves and the world.

2) Literary Studies & Spoken Language 10 – MLTST10/MSPLG10

In this course students will collaboratively study, create, and use language to strengthen their verbal communication skills. Students will engage in performance and public speaking. This course may be of interest to students with strong verbal communication skills, and students who may wish to help maintain oral traditions. Students will delve deeply into literature (fiction and non-fiction) as they explore specific themes, periods, authors, or areas of the world, and work on their writing skills (both creatively and academically). Students will develop higher level thinking and learning skills to broaden their understanding of themselves and the world.

3) **Literary Studies & New Media 10 – MLST10/MNMD-10**

In New Media/Focused Literature 10 you will study a combination of new and traditional texts. This course may include short stories, novels, and poetry as well as newer media forms like movies and documentaries, graphic novels, and comics, advertisements, and music videos. You will create both new and more traditional texts like essays, advertisements, movies, presentations, and other projects. You will also examine your own relationship to new and changing technologies like the internet, as well as technology's impact on individuals and society.

English First Peoples 11 – Literary Studies & Writing – MEFLS11

The EFP 11 course will fulfill the grad requirement for English and the new mandatory grad requirement for an Indigenous focused course.

Eéy swayel and mi čxʷkʷətxʷiləm (meach-quat-wheelum)! Hello and welcome to English First Peoples 11! In this course we will explore several themes through the consumption of a variety of text types that highlight various Indigenous perspectives of Canadian history and are representative of the rich and varied Indigenous epistemologies and ways of knowing that exist across Turtle Island. We will consider the context of what we read and how it impacts us as Canadians to further contribute to our shared responsibility in the process of reconciliation. We will explore how the context of history and current events connects to and surrounds the text types both in groups and as an individual. This course will provide you with two required course credits for graduation (Language Arts 11 and the new requirement for an Indigenous Focused Course).

English Studies 12 – MENST12

Prerequisite: English 11

English 12 is a mandatory course for graduation. English 12 encourages the development of students' confidence, independence, and appreciation in the areas of reading, writing, oral communications, viewing and representing. It continues to develop and enhance students' appreciation of literature and language. The activities and resources are increasingly more sophisticated but are carefully selected to appeal to the range of students' interests and abilities.

- Students will read for a variety of purposes, demonstrate interpretive understanding, and critically analyse short stories, novels, poetry, drama (e.g. a Shakespeare play) and nonfiction.
- In writing, students will write in a variety of formats employing all stages of the writing process: pre-writing, drafting, editing, proofreading, and publishing. Emphasis will be on multi-paragraph composition.
- Oral communication skills will develop a critical awareness and appreciation of audience, purpose, and context.
- In viewing, students will identify, analyze, interpret, and evaluate techniques used to convey meaning in visual and mass media
- Students will select and create a variety of representational forms to assist in the expression, development, and extension of ideas.

Creative Writing 12 – MCTWR12 – Elective

This is a course for those who love to write, and who want to explore different genres of writing in a fun, light-hearted, and supportive environment. Short stories, poetry, narrative fiction, story slams, script writing, journaling, and other styles will be explored. Most days will be filled with writing, sharing, and reading inspirational texts. Regular feedback, via peers and the teacher, are a big part of the course. And a lot of it will be organized around a workshop format, getting feedback and sharing with your peers a truly transformational experience as a writer. Mini outings for inspiration and character background missions, fieldtrips to see real live writers, and poetry slams are all a part of the excitement of this course, as well as opportunities to publish work through contests and outside publications. This course can be used as an academic course for entry to some university programs (but does not take the place of English 12).

Literary Studies 12: Utopia & Dystopia – MLTST12—S-UD – Elective

A twist on the old classic English Literature class, this discussion based elective promises to be a fascinating glimpse into the pursuit of perfection. The word utopia comes from the Greek words ou, meaning “no” or “not”, and topos, meaning “place”. Since its original conception, utopia has come to mean a place that we can only dream about, a true paradise, an ideal world. Dystopia, which is the direct opposite of utopia, is a term used to describe a utopian society in which things have gone wrong. This course will explore some dimensions of utopian and dystopian thinking, including treatments of the topic in literature, art, film, and new online media – the last notable example of a portal to either a utopian or dystopian future, depending on whom you ask! This class primarily focuses on 20th and 21st century pieces of literature. Students will have a chance to engage with these topics in both critical formats. Students must be prepared for the academic rigour required for this course. It is excellent preparation for post-secondary studies.



Social Studies

The overall goal of Social Studies is to develop thoughtful, responsible, active citizens who can acquire information to consider multiple perspectives and defend a position. The curriculum provides students with opportunities as future citizens to critically reflect upon events and issues to examine the present, make connections with the past, and consider the future. Students are encouraged to develop an appreciation for democracy, for what it means to be a Canadian and World citizen and respect for human equality and cultural diversity.

Social Studies 9

Social Studies 10

One Elective Course is Required to Meet Graduation

20th Century World History	Asian Studies	BC First Peoples	Contemporary Indigenous Studies
Human Geography	Law Studies	Philosophy	Physical Geography
Social Justice	Cultural Influences of Music on North American Society	Comparative Cultures	Genocide Studies

*** Social Studies Elective Courses will only be offered if there is sufficient enrolment in the course ***

Social Studies 10 – MSS—10

The Socials 10 course integrates the skills, knowledge and attributes that have been developed in earlier Socials courses and consolidates the competency of students in the areas of critical thinking, research and referencing, the development of evidence-based argument, and effective communication. Students will focus on Canadian content from the end of WWI to the present day in the areas of political, economic, and social developments within Canada and in Canada's role in international conflicts, environmental issues, and the global economy. The knowledge, skills, and competencies that students use and develop will prepare them to undertake further studies in the Social Studies curriculum and to participate in society as responsible, active and informed citizens.

20th Century History 12 – MWH—12

The 20th Century involves a wide variety of fascinating people and events that are relevant to the world today. From the role of individuals, mass movements, conflicts, cultural and technological changes, to various beliefs and philosophies, students will be exposed to the forces that irrevocably changed the 20th century world and created many of the issues unravelling today.

The course deals with issues beginning with the Paris Peace Conference at the end of WWI examines the political, economic, social, individual, religious, technological, geographic, military, and intellectual forces that led to and impacted events from that date forward. Students will use the content from this period of history to expand on and develop their skills in the interpretation, analysis, evaluation and understanding of historical events. Students will build their knowledge and understanding through investigations into interesting, open-ended questions, through the production of evidence-based arguments, through debate and discussion of historical and contemporary issues, and through the construction of and support for their own hypotheses, solutions, and conclusions.

Students will have the opportunity to test their knowledge and understanding through discussions with guest speakers, by watching and analyzing documentary footage and contemporary films, and through participation in the annual Holocaust Symposium at UBC.

Asian Studies 12 – MASIA12

Asian Studies is a course focusing on political, social, economic and environmental issues in various parts of Asia from 1850 to the present. Some of the big questions for inquiry in this course include.

- What were some of the causes and consequences of both European and Japanese colonialism in Asia?
- What are some of the lasting legacies left behind by various independence/nationalist/revolutionary movements in the region?
- How are leaders like Emperor Hirohito, Mao Zedong, Kim Jong-un viewed by their own citizens?
- To what degree are present conflicts in various parts of Asia (China and Japan's clash over islands in the Pacific or India and Pakistan's conflict over Kashmir) a continuation of historic differences?
- What are some of the ethical and environmental questions surrounding two of the fastest growing economies in Asia (China and India)?
- This course will include the analysis of several foreign language films and documentaries from a variety of countries. In addition, guest speakers will be invited to speak to our class and local field trips will be undertaken when and where possible.

BC First Peoples – MBCFP12

Come and learn and experience BC First Peoples culture, traditions, struggles, resiliency and strengths. Learn about First Peoples connection to the land, traditional knowledge, traditional ecological knowledge, the impact of colonialism, governance, treaty issues, and todays ongoing challenges. This course will give you a chance to explore, develop and understanding of, and connect Indigenous issues to your interests as well as to your future. The BC First Peoples course provides essential knowledge if you're considering a career in Health Care, Law, Politics, Justice, Social Work, Teaching, Arts, Music, Literature or in many other areas.

Comparative Cultures 12 – MCMCL12

Comparative Cultures 12 provides students the opportunity to learn about various human cultures of the world. The course comprises of six units including an introduction to anthropology, comparative religious studies, micro-cultures, sociolinguistics, cultural exchange and contact theory, and a final study on contemporary cultural issues. We focus specifically on the fields of anthropology, linguistics, and religious studies throughout the course, and take a sense of the diverse landscape of humanity through various lenses. Expect to walk away as a culturally competent citizen, with an understanding of a wide variety of human cultures, factors that make our lives purposeful and connected, and what makes humanity connected. Expect lots of simulations, field-based learning, and community-based assessment!

Contemporary Indigenous Studies 12 – MINST12

You have taken BC First Peoples 12 and would like to explore how BC and Canadian issues link to Canadian and Global Contemporary Indigenous Issues, then this is the course for you. Local action projects, an inquiry project and investigating issues such as:

- Stereotypes and institutionalized racism, examining media portrayals of indigenous people, contemporary indigenous arts & media
- Legislation, modern treaty negotiations, alternative justice systems, decolonization approaches, United Nations Declaration of the Rights of Indigenous Peoples
- Protocols and ceremonies, traditional practices, cultural competency developing economic strategies like joint ventures, partnerships, co-management, consultation versus collaboration, resources managing, ownership, sharing

Expand your knowledge, see how BC topics fit into global issues and how other countries have approached the topics of resources, treaties, education, prisons, reconciliation and so much more.

Cultural Influences of Music on North American Society 12 – YSSC-2B

In this exciting participatory course students will examine the influences of various types of music and genres, with a focus on its effects in our current day society. From mainstream pop, EDM, hip hop/rap, R&B, rock, metal, punk and blues, students will explore in depth the various messages and implications on our culture. Historical perspectives will also be examined, such as the evolution of hip hop and rap, and both its social justice perceptions and misconceptions by audiences. Students will have opportunities to write and create music and music videos, experimenting with various technology and styles.

Students will understand how music creates and appeals to cultural values which will prepare them to be informed and active citizens in a media-saturated world. Students will have many ongoing opportunities to present, dissect, & analyze their own personal choices with an ongoing understanding of how it influences their identity.

Genocide Studies 12 – MGEN012

Genocide Studies addresses a deeper understanding of the political, social cultural and economic movements, which led to some of the worst atrocities in human history. This course begins by understanding what the term genocide means, and the impact of many events around the world in shaping our global landscape. Through this course we will examine how all genocides, despite changes in cultural and political climates, share similarities in progression and scope. This course deals with very sensitive and at times upsetting issues that require a level of maturity of emotional sensitivity to comprehend the subject matter. Students will be given the opportunity to listen to guest speakers, watch documentary footage in contemporary films and the make connections with educational organizations who honour the victims of these crimes against humanity.

Human Geography 12 – MHGEO12

A geographer looks to explore, identify, and understand the interactions between humans, as well as between humans and the environment within and between places. This includes the characteristics and influences of location, physical and cultural landscapes, regions, and the movement of people, goods, and ideas. In Human Geography 12, you will explore and research all kinds of interesting topics, as well as create and respond to important questions.

For example:

- Why do people and populations grow, move and change?
- How do populations across the world meet their basic needs?
- Where do people choose to live, or where are people forced to live?
- Do different cultural, political, and economic beliefs affect the use of physical space and the environment?
- Where and how is food grown? What are some traditional and innovative agricultural practices around the world? (Mmm! Food!)
- Can we create a healthy relationship between the environment, consumption of resources and things, and the economy?
- What are the various roles of the city including slums, business, commercial centres, residential places and related emergent planning and design?

There will be group work, projects, learning based on real life local and global issues, and, hopefully, a field trip or two.

Law Studies 12 – MLST-12

Law Studies 12 explores the legal rights and responsibilities that affect all Canadian Citizens. Students scrutinize the boundaries of our laws and examine the roles of our laws and different players within the justice system. Through debating real cases, students come to a complex understanding of how the legal process functions.

The course involves regular class discussion and critical thinking, primarily through studying current events and issues. Students are expected to consider various viewpoints and make reasoned judgements to develop their own positions.

Topics include Criminal Law, Civil Law, and careers in Law.

Field trips and guest speakers are considered valuable parts of the course and generally include:

- Surrey Provincial Court (possibly including the Surrey Pre-Trial Services Centre)
- BC Supreme Court (Downtown Vancouver)
- Vancouver Police Department or Surrey RCMP detachment
- Guest speakers include RCMP, Corrections Officers, forensic, and a reformed offender

Philosophy 12 – MPHIL12

Is there a real world, or is everything a figment of my imagination? Do we have free will, or do our brains simply respond mechanically to stimuli? What, if anything, distinguishes right from wrong? Philosophers relentlessly pursue the fundamental questions of life, and their techniques apply to problems in any discipline or endeavor. They establish standards of evidence, provide rational methods of resolving conflicts, and create techniques for evaluating ideas and arguments. Philosophy is the search for wisdom and in such an endeavor, there is no end point, nor an ultimate answer.

This course is a survey of several major areas of philosophy: logic and reasoning, metaphysics, epistemology, ethics, and aesthetics. Students will reflect upon philosophical issues through discussions, journaling, inquiry, creative choice projects, and formal critical essays to develop the analytical skills necessary for effectively evaluating arguments and thinking independently.

Students taking this course must be prepared to examine and challenge ideas, be respectful of differing ideas and beliefs, and be willing to question their own assumptions and understanding of their own beliefs. Being open minded and thinking critically are a must! Students must be prepared for the rigours that this course will involve.

Physical Geography 12 – MPGEO12

This course explored the Earth's physical systems and processes, focusing on the dynamic interactions between the natural and human-made world. Students will study topics such as energy systems, weather and climate, landforms, and the distribution of natural resources, The course also examines the role of resource extraction and its impacts on physical landscaped, ecosystems, and the global economy. Students will explore the ethical considerations surrounding resource use, sustainability, and social and environmental justice.

Sample topics include:

- Natural disaster risk factors, mitigation efforts and response plans
- How a warming Earth is contributing to larger and more frequent weather events
- Why communities with lower socio-economic status or large BIPOC population are more likely to be negatively impacted by a natural disaster
- Global reliance on oil/gas and plans to reduce its use
- Resource sovereignty, economic development, foreign policy, and global economic relationships
- The role of different groups in decision making surrounding land use and resource extraction including Indigenous relations and Reconciliation efforts

Field studies are an important component of this course and generally include: Snowshoeing, Britannia Mine Museum, Lighthouse Park, Fraser Heights and surrounding Neighbourhood (Tynehead).

Skills from this course can be applied to: Civil Engineering, Environmental Law, Rural/Urban planning, Ministry of the Environment, Environmental Impact Assessments, Architecture, Conservation, Tourism, Aviation, and more.

Social Justice 12 – MSJ—12

Social Justice 12 promotes the pursuit of social justice and encourages students to develop the commitment and ability to work toward a more just society. It is a participatory course that requires self-analysis, social analysis, respect for diversity, a willingness to act and respectfully discuss controversial issues.

In this course we will:

- Recognize and understand the causes of injustice
- Understand how to act in a socially just manner
- Apply critical thinking and ethical reasoning skills to social justice issues
- Become responsible agents of change

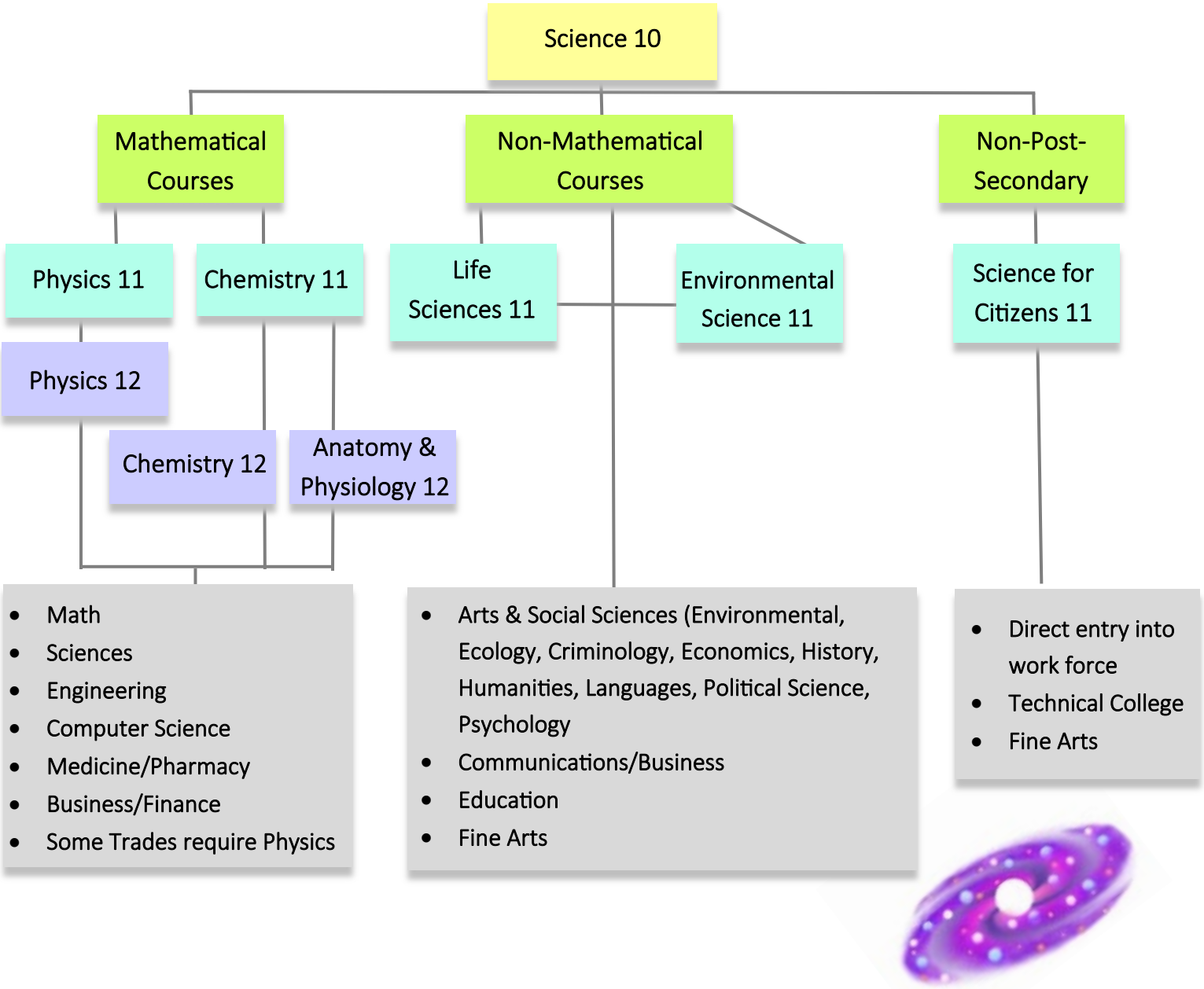
Questions we will ask include:

- What are my assumptions about how our society functions/should function?
- What roles do culture and language play in my perceptions, understandings, values, and beliefs?
- Am I privileged or entitled? In what ways?
- Am I oppressed or marginalized? In what ways?
- How do I perpetuate the status quo?
- How do I respond when someone disagrees with me?
- How do I treat others with beliefs and values different from my own?
- What am I willing to do to promote social justice ideals?
- How willing am I to take personal risks in sharing my ideas?

Activities will include:

- Assessing lifelong opportunities related to social justice.
- Identifying realistic options for participation (e.g. launching an informational or advocacy campaign, volunteering with existing service groups, organizing a letter-writing campaign, consulting elected officials, making presentations to community groups, organizing workshops or forums, creating and presenting a drama, creating a public service announcement video, launching a web site, creating a podcast).

Science



Science 10 – MSC—10

The Science 10 curriculum covers 4 topics:

- **Genetics**: Students look at patterns of inheritance, DNA, and mechanisms for the diversity of life
- **Chemical reactions**: Students learn to classify matter, balance reactions and differentiate between organic and inorganic compounds
- **Energy**: Students learn the difference between potential and kinetic energy and their applications in our daily lives
- **Space**: Students learn about the formation of the universe, as well as how to collect and analyze astronomical data. Success in Science 10 is based on regular attendance and participation as well as the students commitment to completing homework, studying for quizzes and tests and reviewing daily.

Science for Citizens 11 – MSCCT-11

The focus of the class is for students to understand the interactive nature of science, technology and society, and to realize the costs and benefits of modern technology in a variety of fields. Through modules, students will explore a series of topics. Video segments from various sources are built into the program. The activities in this course are designed so that students become more scientifically literate by learning to distinguish between fact and opinion.

This course can be used to satisfy Ministry graduation requirements but cannot be used for university entrance.

Physics 11 – MPH—11

Prerequisite: Science 10 ***and*** *Foundations & Pre-Calculus Math 10 (with a* ***minimum B grade****)*

Physics 11 is an academic course with an emphasis on **algebraic, trigonometric, and graphical** problem solving. The main topics are motion in two dimensions, forces, energy, circuits, and wave phenomenon. Physics 11 is recommended for all students who wish to pursue academic studies or career training in scientific, technical and medical fields. It is **strongly** recommended that students have completed **Pre-Calculus Math 10** with a minimum of a B prior to taking this course. Students will be required to solve algebraic expressions and right-angle triangles. The rearrangement of $d = v_i t + {}^1/_2\, at^2$ to solve for v_i is an example of the type of algebra required for success in this course. Evaluation is based on lab work, assignments, quizzes and exams.

Physics 12 – MPH—12

Prerequisites: ***Physics 11 with a minimum of C+ or better*** *and* ***Pre-Calculus 11 with a minimum B or better****.*

Physics 12 is recommended as a follow-up physics course suitable for students who have an interest in Physics or who plan to continue in science or engineering. The course covers: Vector Kinematics and relativity, Forces and Torque in equilibrium, Momentum, Circular Motion and Gravitation, Electrostatics, and Electromagnetism. Students will be required to solve complex algebraic expressions and non-right triangles. Evaluation is based on lab work, assignments, quizzes and exams.



Chemistry 11 – MCH—11

Prerequisite: Science 10 ***and*** *Recommended completion of Foundations & Pre-Calculus Math 10 with a C+ average or better.*

Chemistry 11 is an interesting and challenging course that builds on concepts and skills developed in Science 8-10. The course begins with an in-depth study of matter, the periodic table, atomic theory, and the structure of atoms and molecules. The mole concept, chemical reactions, stoichiometry, solutions and organic chemistry are then studied in detail. As there is an emphasis on problem solving, students entering Chemistry 11 should have good Math skills.

Evaluation is based on lab work, assignments, quizzed and exams.

Chemistry 12 - MCH--12

Prerequisite: Chemistry 11 (recommended minimum C+ standing) It is recommended that students have completed Pre-Calculus 11

This course is intended for those students who have shown an aptitude for Chemistry and plan to take Chemistry and related courses at the post-secondary level. Chemistry 12 is a problem-centered course involving more advanced concepts than Chemistry 11. The topics covered are Reaction Kinetics, Equilibrium, Solubility of Ionic Substances, Acids, Bases and Salts, and Oxidation reduction. Students should have strong foundational math skills.



Life Sciences 11 – MLFSC11

Prerequisite: Science 10 (recommended C+ average or better)

Life Sciences 11 is designed to help students explore the basic principles of Biology. The course begins with a study of evolutionary theory and then surveys a representative sample of organisms ranging from the simplest to the most complex. Units of Microbiology, Plant and Animal biology allow the student to appreciate the diversity of life on earth and to study some organisms in detail. Students also develop basic lab skills such as animal dissection and use of the compound microscope.

This course also combines a leadership/outdoor education component that involves hosting Grade 4 students on field trips to our school pond and Biology lab! There may also be up to as many as four field trips students will participate in throughout the semester.

Evaluation *is based on lab work, assignments, quizzes and exams. This course is recommended for any student wishing to pursue science studies at the post-secondary level.*



Anatomy & Physiology 12 – MATPH12

Prerequisite: Completion of Chemistry 11

This course concentrates on the physiology of living things with a focus on the human body. Anatomy and Physiology 12 is a course intended for those students who are interested in preparing themselves for post-secondary studies in the biological sciences or health sciences. A thorough study of biological molecules and cells leads to the study of tissues, organs and organ systems. Anatomy and Physiology 12 is a comprehensive course that requires a lot of time and effort.

Environmental Science 11 – MEVSC11--S

Do you enjoy being outdoors and learning about the relationships between living things and non-living things around you? A degree in Environmental Science can lead to some pretty cool jobs that did not exist 10 years ago. Why not see if this is something you are interested in or not. In Environmental Science you will learn about the diversity, sustainability, and changing of ecosystems and how humans can play a role in stewardship and restoration. This course will include outdoor field study opportunities.

Integrated Math and Science Program

(4207 – XAT—12—2) (5113 – PREC—12, 4321 – MCH-11, 5321 – MCH—12, 4331 – MPH—11)

Students must be selected to enroll into this program as it is open to all students in the district. Please visit our website http://www.fhscienceacademy.ca for program details and important dates regarding selection.

Goal: To allow students in Grade 11 and 12 an opportunity to enrich their science experience in a secondary school setting. This enrichment will include:

- Promoting a community of learners to engage in creative and meaningful questions in the field of math and science.
- An opportunity for students to better appreciate the process of acquiring scientific knowledge.
- Allowing students to inquire, seek answers and defend their findings by effectively communicating their ideas.

Prerequisite: *Pre-Calculus 11 and a passion for Mathematics and Science.*

Logistics: The program will require a two-year commitment for the student starting in their grade 11 year. Each semester, half of their timetable, two blocks (morning or afternoon) will be designed for the Integrated Math and Science Program. This will continue over the four semesters of their grade 11 and 12 years. During the other two blocks, students will be timetabled with all other Fraser Heights students. This will allow students to take English 11 and 12, Social Studies 11 and other electives within the school community.

During their two blocks of Integrated Math and Science Program students will be in their cohort with flexible instructional schedule designed by their instructors. The two and a half hours each day will be used for lecture, labs, group work and/or independent studies. With this flexible schedule curriculum can be compressed, integration between mathematics and science can be better achieved and the scientific process can be modeled and reinforced.

Students who complete this program will receive:

- 40 High School Credits (equivalent to 10 classes)
    - Pre-Calculus 12 – 4 high school credits
    - Chemistry 11 – 4 high school credits
    - Chemistry 12 – 4 high school credits
    - Physics 11 – 4 high school credits
    - Physics 12 – 4 high school credits
    - Industrial Coding and Design 12 – 4 high school credits
    - AP Calculus BC – 8 high school credits
    - University Dual Credit Courses – 8 high school credits
- **Up to 14 University credits** (4 classes)
    - AP Calculus BC (6 Credits)
    - SFU Chemistry 121 (4 SFU credits)

- SFU Chemistry 122+126 (2 SFU credits each)

  OR
- SFU Computing Science 130 (3 SFU credits)
- SFU Computing Science 135 (3 SFU credits)

Enrollment: Applications for this program can be found at http://www.fhscienceacademy.ca/. The deadline is in February of their Grade 10 year. Each year 45 grade 11 students will be accepted into this program and notified in early March. Please visit the website for exact dates and important updates regarding the application process.

In the first year of study, students will be instructed in Pre-Calculus 12, Chemistry 11 and 12, Physics 11 and some Physics 12 topics. Also, students will be introduced to basic coding and design aspects as part of the Industrial Coding and Design 12 course. Along with traditional instruction, an open inquiry approach to learning will be used in preparation for a Capstone project in the grade 12 year. Furthermore, there will be a focus on technology used to collect scientific data in labs, an introduction to basic coding and the use of design to construct working models and prototypes. Also, field trips will be taken to reinforce the process of acquiring and applying scientific knowledge.

In the second year of study, students will be instructed in AP Calculus BC, Physics 12, Industrial Coding and Design 12 and SFU Chemistry 121, 122 and 126 or Computing Science 130 and 135. The SFU courses will be instructed by SFU professors at the Surrey Campus.

Students in Integrated Math and Science Program will be completing a Capstone Project that can be used as part of their CLC requirement. They will start it in grade 11 and then complete it in their grade 12 year as there will be an Integrated Math and Science Program CLC option starting in 2027.

Costs to the Students: AP Exams written in grade 12 - $100

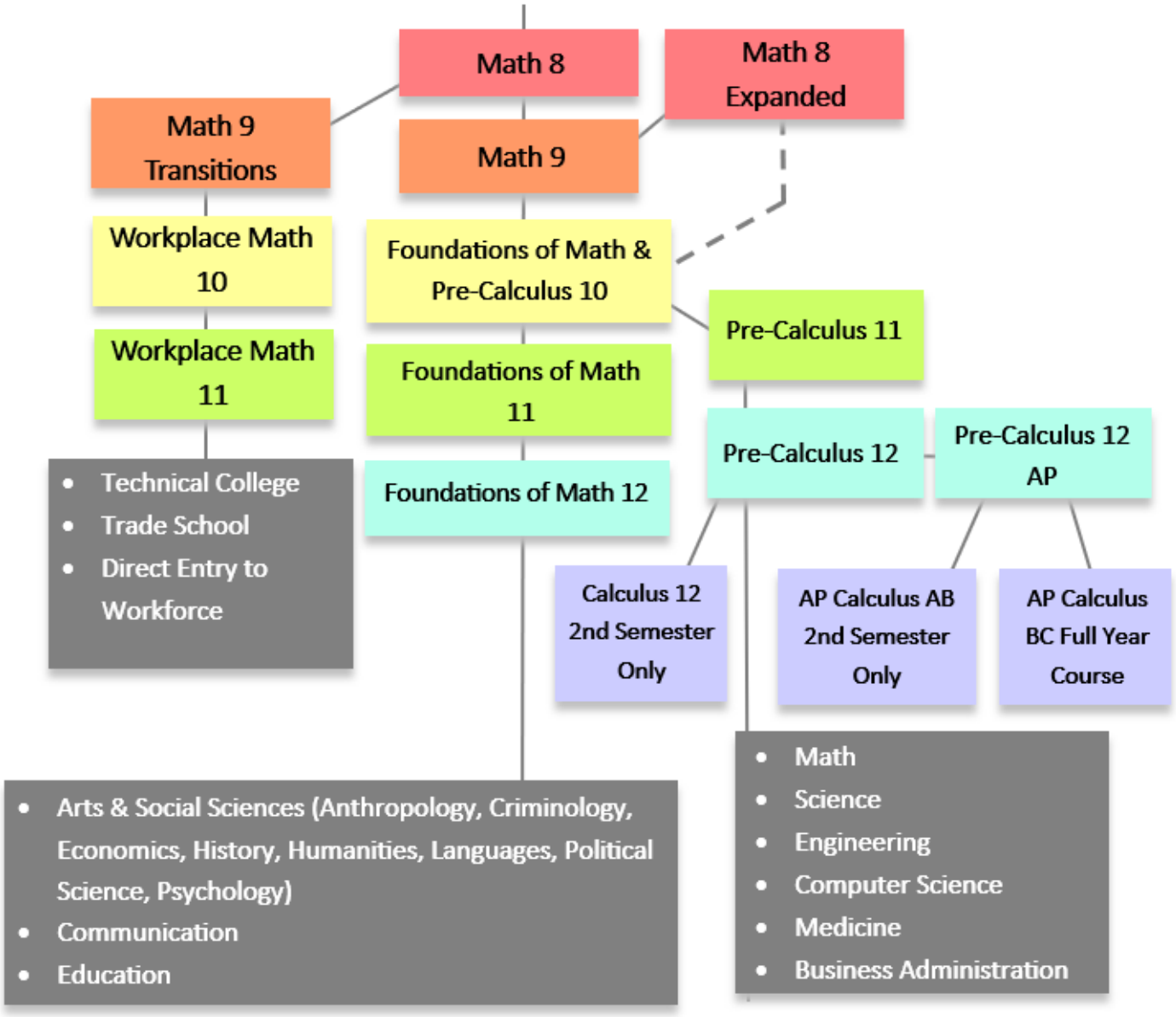
The Ministry of Education will be paying for *University tuition while taking courses at SFU. This is a savings of about $1600.

*The Ministry of Education will not pay for International Students. It is the responsibility of the student to pay their tuition as it will be at the International Student rate.

Industrial Coding and Design 12 – MTICD12-IMSP

Using creative and critical thinking, students can work collaboratively to address real-world challenges by exploring materials, programming, using prototyping tools and equipment, designing and building, developing processes, and communicating the merits of their work. They learn to critically evaluate the appropriateness of the products and prototypes they develop and those developed by others.

Mathematics



The BC Math curriculum aims to ensure that our citizens are numerate and embody mathematical habits of mind. This is achieved by developing deep mathematical understanding and fluency, logical reasoning, analytical thought, and creative thinking. We believe that the development of these skills requires a complex and comprehensive program that gives students the opportunity to experience and appreciate the elegance and beauty of math. Our classes are designed to be inclusive thinking classrooms where students can take risks, experiment, reflect on their learning and develop a growth mindset. This growth mindset is fundamental in developing perseverance and confidence in all students.

It is our belief that learning of math should not be a race. Research has shown that learning concepts earlier does not guarantee a better student. Often, we have found that self-accelerated students miss important learning opportunities and develop skills that undermine a growth mind set and good mathematics habits of mind. However, we are aware that students need to be challenged and enter our school with different degrees of experience and abilities.

Depending on post-secondary plans and future career paths, careful consideration should be made when selecting your Math course. Please refer to the Math Flow Chart above and to Post Secondary admissions to help select the right course. **You may need to contact your school/admissions counselor for clarification.*

Workplace Math 10 – MWPM-10

This course is designed for students who have been successful in Math 9 and prepares students for Workplace 11.

Topics: Measurement, games analysis, similarity, trigonometry, proportional reasoning, financial literacy.

Foundations of Math & Pre-Calculus 10 – MFMP-10

This course is designed for students who have been successful in Math 9. It prepares students for Foundations of Math 11 or Pre-Calculus 11.

Topics: Number patterns, polynomials, relations and functions, coordinate geometry, and trigonometry.

Workplace Math 11 – MWPM-11

Prerequisite: Workplace Math 10 or Foundations of Math & Pre-Calculus 10

This course is designed for students who have successfully completed Workplace Math 10 or Foundations of Math & Pre-Calculus 10.

Topics: Measurements, geometry, personal budget, compound interests, credit, formulas, slope and reasoning.

Foundations of Math 11 - FMOM-11

Prerequisite: Foundations and Pre-Calculus 10

This course is intended for students who have been successful in Foundations of Math and Pre-Calculus 10; it prepares students for further studies in Foundations of Mathematics 12.

Topics: Puzzles and games, statistics, relations and functions, financial literacy, quadratic functions, logic, systems of equations.

Pre-Calculus 11 - MPREC11

Prerequisite: Foundations and Pre-Calculus 10

This course is intended for students who have been successful in Foundations of Math and Pre-Calculus 10; it prepares students for further studies in Pre-Calculus 12. This stream of courses is for students who intend to achieve degrees in Science, Mathematics, Applied Science or Business.

Topics: Absolute value functions, radical functions, rational expressions, trigonometry, polynomials, quadratic functions, linear and quadratic systems and sequences are series.

Foundations of Math 12 - MFOM-12

Prerequisite: Foundations of Math 11

Topics: Probability, exponential, logarithmic, polynomial and trigonometric functions, regressions, combinatorics, set theory.

Pre-Calculus 12 – MPREC12

Prerequisite: Pre-Calculus 11

This course is recommended for students who have experienced success in Pre-Calculus 11 and is the prerequisite for Pre-Calculus 12. The goal of this course is to prepare students for Calculus 12 or Calculus at university. This stream of courses is for students who intend to achieve degrees in Science, Mathematics Applied Science or Business.

Topics: Trigonometric reasoning including angles in standard position, trigonometric identities, geometric series, transformation of functions, rational, polynomial, exponential and logarithmic functions.

Pre-Calculus 12 AP – MPREC12AP

Prerequisite: Pre-Calculus 11 with Teacher recommendation

Although this course has the same core content as Pre-Calculus 12 the topics are covered at a higher level of academic rigor than in the Pre-Calculus 12 and there is a greater emphasis on problems that involve critical thinking. The goal of this course is to prepare students for the rigors of the AP Calculus 12 Curriculum.

Topics: Same as Pre-Calculus 12

Calculus 12 – MCALC12

Prerequisite: Pre-Calculus 12

This course is designed to prepare students for university mathematics. It is **strongly** recommended that students have an 'A' or 'B' in Pre-Calculus 12 (or teachers recommendation) before attempting this course.

Topics: Functions, limits, derivatives, antiderivatives and different equations.

AP Calculus 12 AB – ACAL-12

Prerequisite: Pre-Calculus 12 AP and teacher recommendation

This course is designed to prepare students for the Advanced Placement Calculus AB Exam (which is optional). The AP Calculus exam follows a strict syllabus and if successful allows student to attain university credit for one semester of Calculus. This course is **strongly** recommended for those planning to apply to a university faculty or program that requires mathematics. Students are not recommended to take this course unless they have completed Pre-Calc 12 AP.

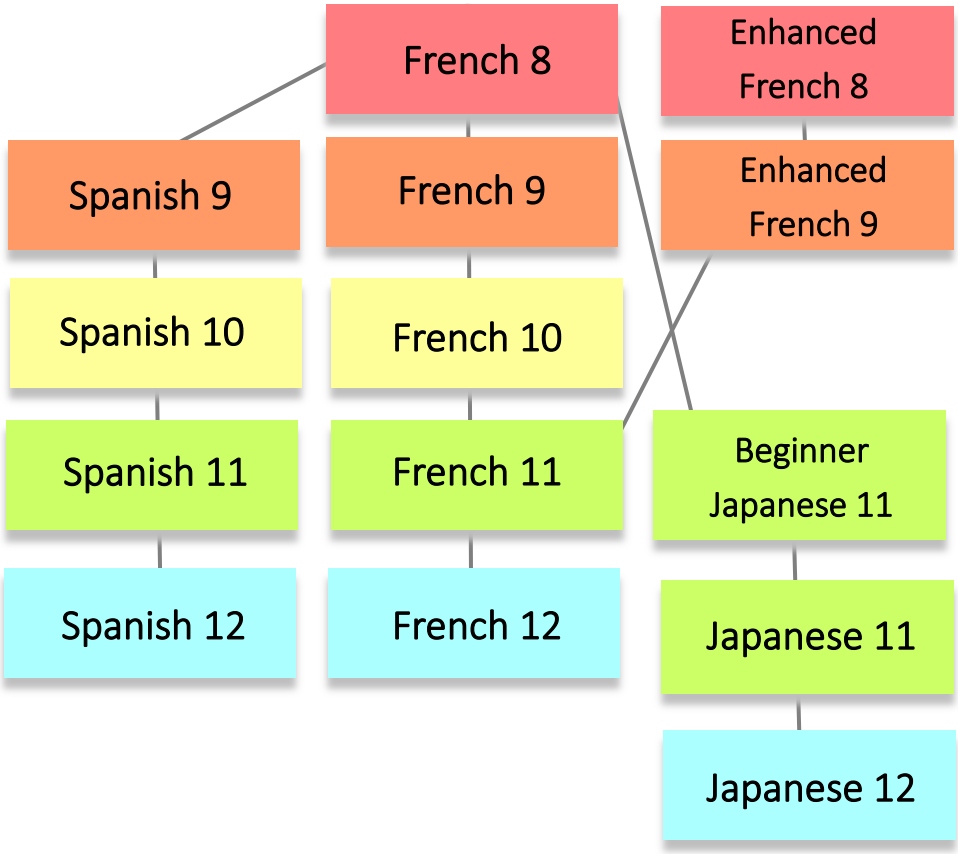
AP Calculus 12 BC (5146 – XAT—12)(5142 – ACAL-2A & 5144- ACAL-2B)

Prerequisite: Pre-Calculus 12 AP and teacher recommendation as this course is offered as part of the Fraser Heights integrated Math and Integrated Math and Science Program.



International Languages

The Principle goal of our language program is to develop communications skills so that students will have the desire and ability to express themselves in real-life situations. Students should be aware that a grade 11 language course is a prerequisite for some universities and college programs. A few universities may allow a Beginner Language 11 or require a Grade 12 language course.



French 10 – MFR-10

Prerequisite: French 9

Students will continue to develop their ability in the four skills of listening, speaking, reading, and writing. This course gives students the opportunity to use a range of useful vocabulary in oral and written form. Students continue to learn how to use grammar concepts as a tool to help them communicate in an effective and more sophisticated manner.



French 11 - MFR--11

Prerequisite: French 10 or Enhanced French 9

Students will interact with growing confidence in French and will be able to use French resources for research. Grammar increases in complexity and continues to be used as a tool to help students communicate in speaking and writing in an effective and more sophisticated manner.

Successful completion of French 11 provides the minimum language entrance requirement for most universities.

French 12 – MFR—12

Prerequisite: French 11

This course is the culmination of the study of French language and culture at the secondary level. More complex facets of language and literature are introduced. French culture is explored in greater detail. There may be an opportunity for students to take the DELF exam (Diplome d'Etudes de langue francaise). This French proficiency exam is recognized internationally.



Beginner's Japanese 11 – MBJA-11

This is an intensive beginner's course that provides the essential skills covered in the Japanese 9 & 10 programs. Students will learn the Hiragana and Katakana writing systems and basic grammar while developing their reading, writing, listening, and speaking skills through communicative experiential units. In addition, they will learn to appreciate the Japanese, Japanese Canadian and First People's cultures through various activities.

It is important to verify whether this course meets the language requirements for entrance to the university that the student wishes to attend.

Japanese 11 – MJA-11

Prerequisite: Beginner's Japanese 11

This course will review and expand what students have learned in previous Japanese course. Students will continue to use communicative experiential units to develop their reading, writing, listening, and speaking skills. They will learn more complex grammatical structures and add more Kanji to their writing system. The study of Japanese, Japanese Canadian and First People's cultures continues to be an integral part of the course. In addition, students will cover some Japanese – Canadian history including the study of Japanese internment in Canada. **Successful completion of Japanese 11 provides the minimum language entrance requirements for most university programs.**

Japanese 12 – MJA—12

Prerequisite: Japanese 11

This course is the culmination of the study of Japanese language and culture at the secondary level. More complex facets of language and literature are introduced. Students will continue to use communicative experiential units to develop their reading, writing, listening, and speaking skills. They will learn more complex grammatical structures and add more Kanji to their writing system. The study of Japanese, Japanese Canadian and First People's cultures continues to be an integral part of the course. In addition, students will cover some Japanese Canadian history including the study of Japanese internment in Canada.

Spanish 10 – MSP—10

Prerequisite: Spanish 9

Spanish 10 expands and builds upon the material already covered in Spanish 9. Students will further develop their abilities to communicate effectively in Spanish on several topics. The topics explored are the home and chores, sports and health, and daily routine. Grammar points continue to be introduced as a tool to help students communicate in an effective manner. The focus of Spanish 10 is the past tense. Students continue to be exposed to the culture and traditions of Hispanic and First Nations people.



Spanish 11 – MSP—11

Prerequisite: Spanish 10

Students will interact with growing confidence in Spanish and will be able to use Spanish resources for research. These is also an increased emphasis on reading a variety of fictional works.

Successful completion of Spanish 11 provides the minimum language entrance requirements for most universities.

Spanish 12 – MSP—12

Prerequisite: Spanish 11

This course is the culmination of the study of Spanish language and culture at the secondary level. We continue to refine skills learned in previous years with a more mature focus on current events, literature, and authentic texts. The focus of Spanish 12 is developing a more sophisticated style of communication. The topics explored are travel, the environment, social responsibility.



Home Economics

Food Studies 10 – MFOOD10 *(4 Arts Education/ADST Credits)*

This course will focus on the needs and concerns of individuals and society when it comes to food. Students will be asked to identify issues as they relate to food and use creative and critical thinking skills to design, develop and create practical solutions to such issues. Students will be asked to consider various global views, values, and beliefs in the development of innovative solutions, including Aboriginal perspectives. Investigation into and development of culinary techniques will serve to enhance students understanding and give them the opportunity to create meaningful food products.

Food Studies 11 – MFOOD11 *(4 Arts Education/ADTS Credits)*
Food Studies 12 – MFOOD12 *(4 Arts Education/ADST Credits)*

Students will develop skills to prepare and design complex recipes based on themes, needs, and constraints. Students will apply advanced design thinking skills to concepts such as food recalls, food security, food guides, food justice, and food marketing. Through the investigation of personal, social, environmental, and ethical issues, students will develop designs (recipe development and modification) to prototype dishes and explore ingredients functions, proportions, temperatures, and preparation methods.

Pastry Arts & Baking 11 – YHEC-1A
Pastry Arts & Baking 12 – YHEC-2A

Prerequisite: Foods 9 and/or 10 (or with permission of the teacher)

This course is designed for learners who have an interest in baking or who are considering a career in the baking and pastry arts industry. Emphasis will be placed on baking theory, practical knowledge and skills building, time management and production of baked and decorated goods. Students will explore the latest food preparation techniques and apply principles of art and design to create masterpieces. Course topics include an introduction to the elements and principles of design, creative baking, cookie sculpting, candy and chocolate making, artisanal breads, pastries, pies and tarts, fondant, and buttercream cakes.

Culinary Arts 11 – MCUL-11 *(4 Arts Education/ADST Credits)*
Culinary Arts 12 – MCUL-12 *(4 Arts Education/ADST credits)*

Prerequisite: Foods 9 and/or 10 (or with permission of the teacher)

This course focuses on advanced techniques in food study and preparation. It offers students who have a passion for food, the opportunity to gain further skills in the artistic side of the culinary field. As part of the course, students will be asked to use the skills and techniques explored in the course, as well as, their pre-existing knowledge and interests, to engage with the design process. Students will also be asked to explore the aesthetics, presentation, and marketing of food products. Course topics include sauces, meat cookery, spices and herbs, accompaniments, and world cuisine.



Textiles 10 – MTXT-10 *(4 Arts Education/ADST Credits)*

If you like to make things to use or wear then this course is for you! This course encourages students to interact with the design process through the creation of various sewing, dying, and craft/home décor items. Whether you are a beginner or experienced sewer, develop your sewing skills while making a garment that is uniquely yours. You will finish this course with skills that will last you a lifetime. Students will be asked to identify and consider important issues surrounding the apparel industry, and use various global views in the design, development, and creation of projects, including Aboriginal perspectives. Students will also be encouraged to identify and build on the relationships found between the subject areas.

Textiles 11 – MTXT-11 *(4 Arts Education/ADST Credits)*
Textiles 12 – MTXT-12 *(4 Arts Education/ADST Credits)*

Gain knowledge and develop skills as you construct unique projects and garments using various fabrics and equipment. Whether you have used a sewing machine or not, but have an interest in learning, this course is for you. Students will be given the opportunity to learn and build on skills in areas that are of interest to them while being exposed to new and innovative technologies in textile creation and garment construction. Express your creativity by using the elements and principles of design and applying this knowledge using an assortment of fabrics and techniques. Create one-of-a-kind items from fashion to home décor to crafts. Build a portfolio of personal achievements that showcases your knowledge and demonstrates your design and sewing skills. This course may be of interest to those interested in pursuing a career in fashion and design, garment construction, fashion marketing, or retail.

Textiles Arts & Crafts 11 – MTXT-11—S-TAD *(4 arts Education/ADST Credits)*
Textiles Arts & Crafts 12 – MTXT-12-S-TAD *(4 Arts Education/ADTS Credits)*

Are you artistic, creative and like hands on classes? *Textiles Arts & Design* is your opportunity to DESIGN and CREATE your own unique and individual projects and gifts for you or your home: weaving, hand knitting, crocheting, beading, soap making, jewellery making, macrame, quilting, candle making, embroidery, card making, and fabric printing techniques such as dyeing, silk screening, stamping, and more. If *Pinterest* was a course, this would be it! No Experience necessary.



Psychology 11 – YPSYC1A *(2 ADST & 2 Elective Credits)*

Ever wonder what makes you, your friends, or your family tick? What makes you different from the rest? This course offers us a little insight from the great masters-Freud, Piaget, Maslow… Students will explore psychological theories, and methods of research and experimentation, while focusing on topics related to the brain and behaviour, sensation and perception, consciousness and dreams, motivation and emotion, cognitive processes, and infancy and childhood development.

Psychology 12 – YPSYC2A

This course allows students to engage in the use of scientific methods to explore and understand a variety of social issues that arise in their personal lives, community, and in society at large. Students will explore psychological theories, and methods of research and experimentation, while focusing on topics related to the brain and behaviour, personality, psychological disorders, conflict, stress and the role that society and culture play in behaviour. This course is intended to give students exposure to subject matter that is typically not examined until students reach post-secondary education.

AP Psychology 12 – APSY-12 (*4 Arts Education/ADST Credits)*

Advanced Placement (AP) Psychology is a fast-paced, content-rich course intended for students interested in taking the AP Psychology exam for first year university credit. AP Psychology students should expect to spend additional time outside of the classroom on coursework and exam preparation. Course topics are like Psych 11 and 12 but will be explored in more depth. Topics will include History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness. Learning and Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Behaviour, Treatment of Abnormal Behaviour and Social Psychology. Previous psychology courses are an asset, but not required.

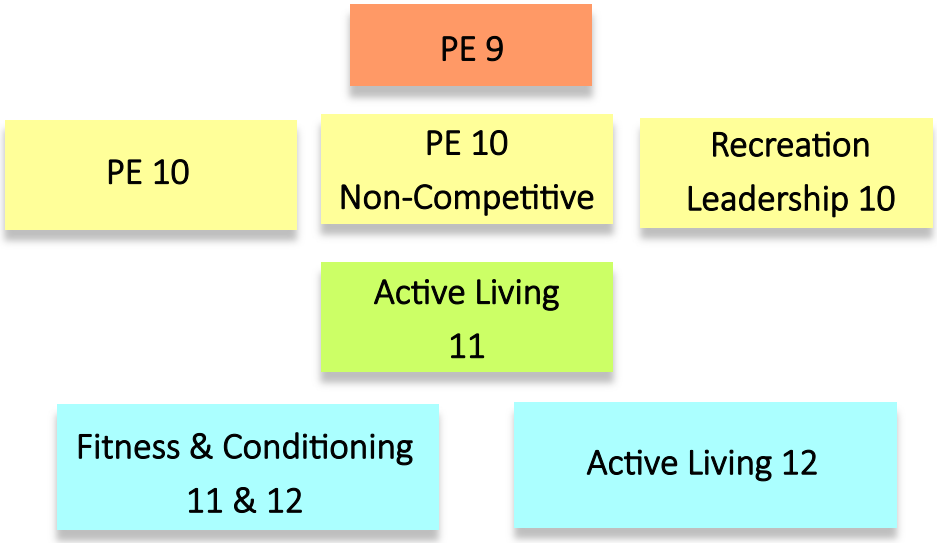
Family Studies 11 – MIAFR11 *(4 Arts Education/ADST Credits)*

This course is for students interested in a career in counseling, social work, education, or health care. During this course, students will learn about the types, roles, and functions of interpersonal relationships, with a focus on romantic relationships. Topics will include marriage in contemporary society, interpersonal relationships in families with a focus on communication, healthy/unhealthy relationships, ending relationships, improving communications skills, and resolving conflict.

Family Studies 12 – MCDAC12 *(4 Arts Education/ADST Credits)*

This course is for students interested in a career in counseling, social work, education, or health care. Topics will include pregnancy from conception to delivery, caregiving and parenting styles, stages of child development, and adolescence. Students can look forward to taking care of infant simulators and examining family structures around the world.

Physical Education



Physical & Health Education 10 – MPHED10

This course builds on the foundations of PHE 9 with an emphasis on how healthy choices are influenced by our physical, emotional, and mental well-being. The PHE10 curricular competencies include a focus on leadership, and demonstration of proficiency in a variety of individual and team movement patterns and tactics. Students will build on their level of movement competence by applying combinations of skills in individual and team activities. Students will gain an understanding of goal setting through the principles of training. Health education topics include healthy sexual decision making, substance use and abuse, and nutrition. Furthermore, Safety and injury prevention are key components of the PHE 10 curriculum.

Physical & Health Education 10 Non-Competitive – MPHED10—S-NC

This course is the same curriculum as the above PE 10 however, this curriculum will be delivered in a non-competitive environment and is best suited for those students who prefer to participate at a recreational level.

Physical Education & Recreation Leadership 10- (Yearlong) – MPHED10—S-Y-LEAD/YIPS-0B

Leadership 10 is a yearlong class that meets every day. The course covers two curriculums: PE 10, and Recreational Leadership 10. This is an elective course and there is a requirement to volunteer outside the school day (before school, lunch, afterschool). Students develop their leadership skills and capacity by organizing and running events such as the Grade 8 Retreat and intramural sports tournaments for our grade 8s and 9s. Students will also be heavily involved in the athletics program, officiating many of our matches. This course has field trips to enrich the course, there is a cost associated with these.

*Please note that there is an application process that students must undergo to be approved for this class.

Active Living 11 - MACLV 11
Active Living 12 – MACLV 12

Active Living 11 & 12 are elective courses that build on the competencies learned in PHE 8, 9, and 10. The focus on both courses is the promotion of health and well-being through team sport organization and participation, leadership, and personal fitness. A unique portion of the Active Living curriculums is the community recreational activity component. Along with in-school team sports, leadership, and personal fitness activities, students will participate in approximately five field trip activities. These activities will provide students with an opportunity to explore recreational activities provided within the community that promote an active and healthy lifestyle. Examples of possible field trips are bowling, rock climbing, golf, martial arts, racquetball, curling, swimming, and hiking. Please note that participation in these activities requires the payment of a course fee. The emphasis of safety, leadership, responsible decision making, nutrition, and injury prevention principles are major components of the active Living 11 & 12 curriculums.

Fitness and Conditioning 11 – MFTCD11
Fitness and Conditioning 12 – MFTCD12

This course is a high-performance PE class for athletes. The course is a mixture of competitive game play, individual-based fitness and classroom studies in human anatomy, exercise physiology, and the study of human movement. Students interested in exploring post-secondary studies in the areas of health science, kinesiology, fitness promotion, or teaching would benefit greatly from taking this course. For more details please contact the PE department.

Outdoor Education 11 – MODED11
Outdoor Education 12 – MODED12

This course immerses students in outdoor skills and knowledge, fostering a deeper connection to nature while promoting physical and mental wellness. Students will explore environmentalism, sustainability, and practice horticulture through hands-on projects. Students will also learn wildlife observation techniques and study outdoor spaces through a unit on urban planning. The course covers land stewardship and the cultural and ecological significance of the places we live. Students will learn about local Indigenous history and worldview, which will inform our nature studies and land stewardship initiatives. Additionally, the class will engage in sustainable development practices, including a landscape design project. The course also serves to educate students about the health benefits of outdoor living, through outdoor recreation, studying plants and food systems, nutrition, and various mindfulness practices. Students will participate in outdoor activities and field trips, including two full-day nature excursions. This course is offered for Grade 11 and 12 students. For students interested in taking the course in Grade 11 and 12, there will be opportunities for second year OE students to take on leadership roles in the course, while expanding on the skills and knowledge from the previous year.



Industrial Technology Education

Electronics 10 – MTEAR10 *(4 Arts Education/ADST Credits)*

This course is an introduction to electronics, designed to get students comfortable with understanding electronics theory, component identification, circuit design, simulation and construction. Students will simulate circuits using software and then build them in real life. They will learn how to test their circuits for functionality, then faut-find and repair any errors they find. This course is an excellent foundational introduction to electronics at Gr11 & 12 and will provide students with a solid understanding from which to grow in the subject.

Electronics 11 – MTELE11 *(4 Arts Education/ADST Credits)*

This course builds on the introduction to electronics and moves into more advanced electronic subjects such as digital logic, through the 4000 series of integrated circuits (flip-flops, counters, debounce circuits, binary encoders/decoders, 7-segmant display drivers and shift registers) and onto PICs (programmable interface controllers), combining programming with circuit design. All of this learning is carried out by simulating circuits on software before building them in real life. Students will learn to solder, designing their own circuits on stripboard, before progressing to PCB (printed circuit board) design and construction. Students will also be encouraged to participate in the Skills Canada Electronics competition.

Electronics 12 – MTELE12 (*4 Arts Education/ADST Credits)*

Prerequisite: Electronics 11

This course is for students with a prior understanding of electronics (ideally having completed previous courses). Students begin by learning about voltage regulators, operational amplifiers (inverting, non-inverting, clipping, clamping and comparator circuits) and motor controllers. They then progress to learning how to use oscilloscopes and function generators in testing and fault-finding environments. They will hone their PCB (printed circuit board) design skills before learning how to make more complex circuit boards, culminating in sending their PCB designs to be professionally fabricated. The latter half of the course is project-based, with students designing, prototyping and constructing their own circuits, based on their interests, experience and prior knowledge. Students will also be encouraged to participate in the Skills Canada Electronics competition.

Robotics 10 – MTEAR10-S-ROB *(4 Arts Education/ADST Credits)*

This is a fast-paced, hands-on course where students can design, build, and program competition robots. Students will have the opportunity to compete in class, but also within the VEX robotics league. Focus will first be on the design process and students will learn the basics of construction as well as how to keep a standardized engineering notebook. Next, students will have numerous opportunities to build various versions of robots to meet that year's game. Then, students will learn various coding skills, starting with block-based coding. Teamwork skills and interpersonal skills are strengthened in this fast-paced team environment.

Robotics 11 – MTROB11 *(4 Credits/ADST Credits)*

This is a fast-paced, hands-on course where students can design, and program competition robots. Students will have the opportunity to compete in class, but also within the VEX robotics league. Focus will first be on the design process and students will learn the basics of construction as well as how to keep a standardized engineering notebook. Next, students will have numerous opportunities to build various versions of robots to meet that year's game. Then, students will learn various coding skills, starting with block-based coding, and they can advance to Robot-C language coding. Students will also program various sensors to allow the robot to move autonomously. Teamwork skills and interpersonal skills are strengthened in this fast-paced team environment.

Robotics 12 – MCTROB12 *(4 Arts Education/ADST Credits)*

Prerequisite: Robotics 10 or 11

This is a fast-paced, hands-on course where students can design, build, and program competition robots. Students will have the opportunity to compete in class, but also within the VEX robotics league. Focus will first be on the design process and students will learn he basics of construction as well as how to keep a standardized engineering notebook. Next, students will have numerous opportunities to build various versions of robots to meet that year's game. Then, students will build on their block-based coding knowledge by advancing to Robot-C language coding. Students will also program various sensors to allow the robot to move autonomously. Teamwork skills and interpersonal skills are strengthened in this fast-paced team environment.

Art Metal 10 – MTMET10—S-AM

This course will incorporate several key art metal working concepts, procedures and practices. The focus will be on art metal, jewelry design and construction; students will be working with hand, power and machine tools. This grade 10 course will develop previously learned skills and processed through advanced projects.

Art Metal and Jewellery 12 – MTAMJ12 *(4 Arts Education/ADST Credits)*

Prerequisite: Metalwork 11 or 12 or Art Metal 10

This is an artistic course using new and recycled metals as a medium to create original artwork. Students may learn to manipulate metal or construct artistic metal projects using hand tools, oxy-acetylene welding/brazing/cutting. Projects may include rings, bracelets, pendants, earrings, necklaces, hair barrettes, wire/metal sculptures and metal signage.

Metalwork 10 – MTMET10 *(4 Arts Education/ADST Credits)*

The basic aims of this course are to introduce, practice and develop the skills, knowledge, and techniques of working in metal. The use of hand tools and power machines will be taught with safety and efficiency maintained at a high level. Some assigned projects are chosen to give the students a broad range of experiences within the shop facilities using lathes, grinders, drill presses, welding equipment, casting, and art metal projects.

Metalwork 11 – MTMET11 *(4 Arts Education/ADST Credits)*

This first project will be assigned and is used to review hand and machine skills taught at the Metalwork 9/10 level. Other projects may be of the student's choice, providing they are suitable to the level of work expected in the course. The course revolves around work done on the shop machinery, which may include metal lathe, vertical milling machining, as well as welding.

Metalwork 12 – MTMET12 *(4 Arts Education/ADST Credits)*

Prerequisite: Metalwork 11

This senior course involves the student in machine work, building knowledge and skills beyond the Metalwork 11 level. Projects made will be governed largely by the student's skills. The theory will center around reinforcement of previous knowledge and around new operations on machines.

Drafting 10 – MTED-10 *(4 Arts Education/ADST Credits)*

This course builds on the introduction to Drafting and moves into more advanced 2D and 3D drafting skills, building a stronger foundation for architectural and mechanical design. The main objective of this course is to strengthen students' ability to communicate technical ideas through a combination of technical sketching, measurement, and computer-aided design. Software applications such as AutoCAD, Inventor, and other software may be used to create and interpret drawings and models. Students will apply their drafting skills to design-based projects that emphasize modeling, accuracy, and problem solving, preparing them for advanced drafting courses and future design pathways.

Drafting 11 – MTDRF11 *(4 Arts Education/ADST Credits)*

The main objective of this course is to offer a combination of knowledge and "hands-on" skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of technical sketching, measurement, and a variety of software applications, primarily AutoCAD and Inventor with an emphasis on architectural and mechanical drawings. Students will apply the acquired skills in the design and drawing of teacher/student selected projects. Scale models may also be created by hand or using a 3D printer or laser cutter.

Drafting 12 – MTDRF12 *(4 Arts Education/ADST Credits)*

Prerequisite: Drafting and Design 11

The main objective of this course is to offer an advanced set of skills and knowledge that will provide valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of conventional technical sketching, measurements, and a variety of software applications, primarily AutoCAD and Inventor with a further emphasis on architectural and mechanical drawings. Students will apply the acquired skills in the design and drawing of teacher/student selected projects which could serve as a portfolio for post-secondary entrance or to career exploration. Scale models may also be created by hand or using a 3D printer or laser cutter.

CAD/CAM/CNC 11 – MTDRF11-S-CCC - *(4 Arts Education/ADST Credits)*

This course is designated for students who are interested in learning or are planning a career in CAD/CAM/CNC/ Students will be expected to solve complex 2D, 3D and solid modeling problems as well as to spend more time on individually designed projects. Assignments will be completed using the CAM program and computer operated machines such as 3D printer, laser cutter, and CNC. Students may also use the shop facilities to construct their project.

Industrial Coding & Design 12 – MTICD12 *(4 Arts Education/ADST Credits)*

Prerequisite: CAD/CAM/CNC 11 or Drafting 11

This course is designed for students who are interested in learning or are planning a career in CNC & manufacturing. Students will be expected to solve complex 2D, 3D, and solid modeling problems as well as to spend more time on individually designed projects. Students will be introduced to manufacturing coding languages, such as G-Code. Assignments will be completed using CAM software and computer operated machines, such as 3D printer, laser cutter, and CNC. Students may also use the shop facilities to construct their project.

Pre-Engineering 10 – MTPOW-10 *(4 Arts Education/ADST Credits)*

This course will incorporate a variety of engineering principles using a hands-on approach and will have ample opportunity to tackle real-world problems. Students will be introduced to a variety of topics which may include material science, transmission of power, structural characteristics, and transportation. Students may also be introduced to coding, computer control, and microprocessor programming. Students who are interested in pursuing engineering should consider this course.

Engineering 11 – MENR-11 *(4 Arts Education/ADST Credits)*

This course will incorporate a variety of engineering principles using a hands-on approach and will have ample opportunity to tackle real-world problems. Students will further their understanding of structures and programming and may be introduced to automotive and aviation design. Students will be working in depth with various modelling software and may have the opportunity to prototype their projects by hand or using other technologies like 3D printing and laser cutting. Students who are considering engineering as a career should consider this course. Projects in this course have been designed to benefit students who are interested in attending engineering programs a UBC and BCIT.

Engineering 12 – MENR-12 *(4 Arts Education/ADST Credits)*

This course will incorporate a variety of engineering principles using a hands-on approach and will have ample opportunity to tackle real-world problems. Students will further their understanding of coding and computer control, as well as air, land, water, and space transportation design. Students may work with computer control, sensors, and microprocessor programming. Students will be working in depth with 3D modeling software and will have opportunities to prototype their projects by hand or using other technologies like 3D printing and laser cutting. Students who are considering engineering as a career should consider this course. Projects in this course have been designed to benefit students who are interested in attending engineering programs at UBC.

Glass Work 11: Stained Glass – YIA—1B *(2 ADST & 2 Elective Credits)*

Designed for both the beginner and experienced student, this is a fun, introductory course in stained glass using the Tiffany copper-foil technique. Safety is emphasized while learning the basics of pattern design, glass selection, cutting, shaping, foiling, soldering and finishing techniques. Students will apply these skills in the design and construction of teacher/student selected projects. Individual project designs may be possible subject to instructor approval. Other areas of focus may include lead cane, glass etching and bead making.

Woodwork 10 – MWWK-10 *(4 Arts Education/ADST Credits)*

This course encourages students to expand their skills, design/problem solving ability and knowledge of wood and wood related machinery. Teacher selected projects have been designed to promote student development. Individual design of a project may be subject to instructor's approval.

Woodwork 11 – MWWK-11 (*4 Arts Education/ADST Credits)*

The main objective of this course is to offer a combination of knowledge and "hands-on" skills that will prove valuable over a lifetime as well as opening doors to a variety of career options. The areas of focus will include a blending of safety, measurement, theory, tools and equipment, and materials and processes with an emphasis on the fabrication of wood related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects.

Woodwork 12 – MWWK-12 *(4 Arts Education/ADST Credits)*

Prerequisites: Woodwork 11 or Woodcraft 11

After identifying a variety of wood species and their common application, students can learn basic furniture or cabinet construction techniques. Historical and modern furniture styles as well as ergonomics will be utilized in the furniture design. With an effective project work-plan, students will construct a piece of cabinetry or furniture using the acquired skills of machining, joining, and finishing with the option of engineered wood products and composite materials along with solid wood. Students will also be expected to identify and use an appropriate selection of hardware, fasteners, and adhesives in the assembly of the project. Students interested in cabinetry may use specific construction techniques including drawer construction and rail and stile doors in the manufacturing of a variety of cabinets.

Woodcraft 10 – MWWK-10—S-WC *(4 Arts Education/ADST Credits)*

Fabrication of individually designed or teacher directed craft-type projects allow students to develop previously learned skills. Some areas which may be covered include free form, relief, and Native carving, wood sculpting, wood burning, inlay and intarsia. With an emphasis on the safe use of tool and machines, advanced procedures will be used to construct several projects. Computer controlled machining may also be included.

Woodcraft 11 – MWWK-11—S-WC *(4 Arts Education/ADST Credits)*

This course is a practical study of various forms of wood art. The course emphasized the practical application of woodworking skills and the exploration and development of the principles of design as they relate to various wood art forms. Free form carving, wood sculpturing, relief carving, intarsia and wood burning are a few of the areas which may be covered in this course. CNC engraving may also be incorporated into student projects.

Woodcraft 12 – MWWK-12-S-WC *(4 Arts Education/ADST Credits)*

Prerequisite: Woodwork 11 or Woodcraft 11

This is an advanced artistic course that uses basic woodworking skills in specific hand and machine tools to explore differing avenues of woodcraft. Some areas which may be covered include free form, relief, and Native carving, wood sculpting, wood burning, inlay, and Intarsia. Specific hand and machine tool processes which may include CNC, will be employed to fabricate a variety of projects.

Skills Explorations 11 – MSTX-1A *(4 Arts Education/ADST Credits)*

This course is open to grade 10- 12 students who are interested in the trades. This course will be a sampler of 4 of the 5 following trades sectors, depending on interest and availability.

Carpentry	Electrical	Plumbing	Welding	Drafting & Design

Skills Exploration is a Ministry Authorized course jointly supported by the Ministry of Education and the Industry Training Authority (ITA). Through participation in this course, students learn trades and technology skills and earn credit towards secondary school graduation. Later, students may decide to pursue an industry training program to become a certified tradesperson (journeyperson) or a certified technician/technologist.

Business Education

Entrepreneurship & Marketing 10 – MADEM10 *(4 Arts Education/ADST Credits)*

- Learn the basics of business in the twenty-first century and how to create your own business.
- Students will learn the basics about Investing, Economics, Marketing, Accounting, Entrepreneurship.
- Utilizing the computer lab, students will complete a variety of projects and assignments. Highlights include: The Sharks Tank; virtual stock trading, Business Simulation Games and more.
- This is a good introduction course for anyone interested in Business courses in Grade 11 or 12.

Entrepreneurship 12 – MENT-12 *(4 Arts Education/ADST Credits)*

- Starting your own business.
- Creating a business plan.
- Design and create your own product.
- Be your own Boss.

Economics 12 – MEC—12 *(4 Arts Education/ADST Credits)*

- Economics 12 introduces students to a new way of viewing the world and the behaviour of the people living in it.
- Students will learn to analyze people's behaviour from the point of view of satisfying individual needs and wants.
- Students will also study how governments attempt to control the economics they govern.
- Cover topics in both Microeconomics and Macroeconomics.
- This is an essential course for students who plan on pursuing studies in business.

AP Macroeconomics – AMA—12

- AP Macroeconomics looks at the choices individuals, businesses and governments make and the aggregate effect on the national and global economy. Topics include (changes in economic output, inflation, interest and foreign exchange rates, and the balance of payments).
- This course will cover all material that is required for the Macroeconomics AP exam and course.
- This course is looked upon favourably for any university admission as it demonstrates your capability with post-secondary course material.

This course will be offered on an alternative basis with AP Microeconomics, so every two years.

Marketing & Promotion 11 – MMAP-11 *(4 Arts Education/ADST Credits)*

- Using Marketing techniques and theories we explore the various concepts in this course.
- Our academic approach allows you to analyze what marketing entails and how to approach given scenario correctly.
- The main project is creating your own product and writing a marketing plan.
- Recommended for: career in marketing; business school; starting your own business.

Accounting 11 – MAC—11 *(4 Arts Education/ADST Credits)*

- Learn basic accounting concepts such as keeping track of a company's financial position, revenue, and expenses.
- Understand basic financial information to update and create financial documents in the accounting cycle.
- Students will combine written theory with computer applications – Simply Accounting.
- Games: Accounting Monopoly.
- Students who enjoy a very structured classroom environment will enjoy this course.
- Recommended for: Career in accounting; business school; starting your own business.

Accounting 12 – MACC-12 *(4 Arts Education/ADST Credits)*

Prerequisite: Accounting 11

- Accounting 12 a continuation of Accounting 11 using more advanced procedures.
- Have relevant business skills to be hired for bookkeeping jobs or to add to your resume.
- Complete projects using Simply Accounting and QuickBooks Online.
- COIN TOSS competition – CPA Contest – Learn the skills necessary to compete and possibly win $1500.
- For mature students who can handle an independent style of learning. Students will work individually at their own pace with given deadline for chapters. Instruction will be via computer and supplemented individually by a teacher.

Financial Accounting 12 – MFA—12 *(4 Arts Education/ADST Credits)*

Prerequisite: Accounting 11/12

- University and post-secondary prep course. This course is designed to prepare students for one of the harder courses in business school.
- This course is open to students who have never taken an accounting course or Accounting 11/12.
- In addition to basic accounting concepts and procedures, students will be introduced to advanced topics such as adjusting entries, classified balance sheet, merchandizing, receivables, long-lived assets, debt financing, equity financing, ownership structure and more.
- Must have course for: career in accounting; business school; starting your own business.

E-Commerce 12 – MECOM12 *(4 Arts Education/ADST Credits)*

- Learn to market products online.
- Examine how the Internet is rapidly becoming the primary communication, marketing and commercial medium for business in almost every industry.
- Topics include: email marketing; online advertising; affiliate marketing, search engine optimization, PPC advertising, social media, viral marketing, online reputation, website development, public relations, and web analysis.
- The final project is to create your own e-commerce website including all the necessary marketing.
- Most of this course will be done through project-based learning and experiencing ecommerce firsthand.
- Recommended for: career in marketing; business school; starting your own business.

Information Technology

Computer Studies 10 – MCSTU10 *(4 Arts Education/ADST Credits)*

- An introduction to programming
- Computer hardware basics
- Computer software testing – researching, installing, presenting
- Graphics design
- An introduction to 3D computer modelling and animation
- An introduction to 2D animation
- Google SketchUp
- Game designing
- Create your own website
- Learn how to use Photoshop more effectively

Media Arts 10 – MVAM-10 *(4 Arts Education/ADST Credits)*

- Media technologies or image development and design
- Techniques for organizing ideas to structure stories or information and to create points of view in images
- Media production skills
- Standards compliant technology
- Ethical, moral and legal considerations associated with media arts technology use and production
- Understand complex tasks that require different technologies and tools at different stage

Computer Information Systems 11 – MCINF11 *(4 Arts Education/ADST Credits)*

- Desktop publishing and graphics design using Adobe Photoshop/Illustrator/Flash
- HTML 5
- Fundamentals of digital communication
- An introduction to programming using JavaScript
- 3D modeling & 3D animation
- Database design using MS Access

Digital Simulations and Data 12 – MCINF12

This course explores computational simulation. We will create python programs that simulate the world around us through numerical computations, visualization, graphical output, and data management. These programs will mimic real-world experiments while requiring no prerequisite. Some of the projects we will do are how objects act when shot out of a cannon, build our own simulations, and predict the future of climate change in BC.

Computer Programming 11 – MCMPR11 *(4 Arts Education/ADST Credits)*
Computer Programming 12 – MCMPR12 *(4 Arts Education/ADST Credits)*

Students will learn the fundamental concepts and terminology of software application development and develop skills in designing and writing simple computer programs. This course is intended for students who whish to:

- Learn what software development is and what software developers do
- Learn programming concepts and terminology to facilitate communication with software developers
- Learn to read, trace, and understand simple code
- Learn to write, test, and debug code to solve a simple problem
- Create simple software applications
- Learn the building blocks of programming using Python
- Use Python commands for robotics
- Create simple Python applications

Game Development 11 – MCMPR11-GA *(4 Arts Education/ADST Credits)*
Game Development 12 – MCMPR12-GA *(4 Arts Education/ADST Credits)*

Unlock your creativity and shape the future of interactive entertainment in this hands-on elective. In Game Development, students explore the evolution of video games from their earliest arcade origins to today's immersive worlds, gaining insight into how technology and storytelling have transformed over time. You'll learn essential math behind game physics and design, recreate some iconic games, develop real programming skills to build your own playable projects, and examine the social and cultural impact of games in modern society. Whether you're an aspiring programmer, artist, storyteller, or simply curious about how games are made, this course offers a fun collaborative way to turn your ideas into engaging digital experiences.

Media Design 11 – MMEDD11 *(4 Arts Education/ADST Credits)*
Media Design 12 – MMEDD12 *(4 Arts Education/ADST Credits)*

This course will provide Grade 11s and 12s with a general introduction to the world of digital media technology. This will be a hands-on based program that will deal with theoretical and practical elements involved with the productions of media-based projects. In this course students will be experimenting, creating, design and producing projects within the vast field of media technology. This course will address the principles, concepts and use of technology as a form of communication all based within the context of media (graphical, audio and video).

In this course students will develop skills and be confident users of technology, specifically computers, digital cameras, DAW's and other software application.
This course is project based with the inclusion of some theoretical essays and presentations. It will also encourage students to be independent thinkers as well as cooperative team learners with a variety of different projects.

Animation 10 – MVAM-10-S-AN *(4 Credits Education/ADST Credits)*

This is an introductory course in classical and computer animation. Students will learn the basics of classic and 2D animation. Students will study classic animation, such as the Disney style. Students will explore programs that provide opportunities to create and animate computer-generated objects. Students will develop graphic and digital narratives, while creating personal pieces for a final portfolio, such as comics and flipbooks. The course will focus on skill set development in Adobe Flash, Adobe Illustrator, and Move Maker.

Animation 11 – MDCOM11-S-AN *(4 Credits Education/ADST Credits)*

Prerequisite: Animation 10 preferred

This is an intermediate course in classical and computer animation. Students will learn intermediate levels of classical, 2D animation and the basics of 3D Animation. Students will explore programs that provide opportunities to create and animate computer-generated objects. Students will create personal pieces for a final portfolio. A graduation portfolio will be required to complete the course. The course will focus on skill set development in Adobe Flash, Adobe Illustrator, Adobe After Effects and Adobe Premiere.

Animation 12 – MDMD-12 *(4 Credits Education/ADST Credits)*

Prerequisite: Animation 11 preferred

This is an advanced course in classical and computer animation. Students will learn advanced 2D and 3D animation. Students will learn basic sound production, produce storyboards, and action animation, including short, animated desktop videos, which include sound. Students will create personal pieces for a final portfolio. A graduation portfolio will be required to complete the course. The course will focus on skill set development in specific software.

Yearbook 10 – MMEDD10 *(4 Credits Education/ADST Credits)*
Yearbook 11 – MVAMT11 *(4 Credits Education/ADST Credits)*
Yearbook 12 – MVAMT12 *(4 Credits Education/ADST Credits)*

Prerequisite: Computer experience is preferable

This course is designed to enable students to publish the schools yearbook and other publishing documents. Students will learn the fundamentals of graphic art and design. Students will start to develop skills around time management, communication, creative problem solving, and responsibility to a group and contribution to school society. Students will learn to extensively use Adobe InDesign and Adobe Photoshop. Students must be self-motivated and able to meet deadlines. A willingness to participate in and out of class is a must. All students will be required to attend a school sport team game after school to take pictures for the yearbook.

Drama and Theatre

Drama 10 – MDRM-10 *(4 Credits Education/ADST Credits)*

This course focuses on improvisation, acting techniques, speech, characterization, and scene presentation. You will work on your skills in character development and script analysis in a collaborative and fun Performing Arts environment. As well, you will learn about theatre production through hands-on work during in-class performances and a January production for the school & community. Students will have a chance to learn theatre tech in either our junior tech booth or senior tech booth. This course can be used to fulfill the Fine Arts requirement.

Drama 11 – MDRM-11 *(4 Credits Education/ADST Credits)*

Prerequisite: One previous Drama/Theatre Course

This course focuses on improvisation, theatre vocabulary, acting techniques, speech, characterization, scene presentation, and theatre history. You will work on your skills in character development and script analysis in a collaborative Performing Arts environment. As well, you will learn about theatre production through hands on work on in class performances and a January Production for the school & community. This course can be used to fulfill the Fine Arts requirement. **Some out of class time is required.**

Drama 12 – MDRM-12 *(4 Credits Education/ADST Credits)*

Prerequisite: One previous Drama/Theatre Course

This course focuses on improvisation, theatre vocabulary, acting techniques, speech, characterization, scene presentation, and theatre history. You will refine and develop your skills in character development and script analysis in a collaborative Performing Arts environment. As well, you will learn about theatre production through hands on work in class performances and a January production for the school and community. This course can be used to fulfill the Fine Arts requirement. **Some out of class time is required.**

Directing and Script Development 11 – MDRDS11 *(4 Arts Education/ADST Credits)*
Directing and Script Development 12 – MDRDS12 *(4 Arts Education/ADST Credits)*

Prerequisite: One Previous Drama/Theatre Course

This course explores the organizational structure of play direction. You will be introduced to play building, cast organization, student leadership, and scriptwriting techniques in a collaborative performing arts environment. In addition, you will learn about theatre production through hands on work during class performances and a January production for the school and community. This course can be used to fulfill the Fine Arts requirement. **Some out of class time is required.**

Theatre Production 10 – MDRD-10 *(4 Arts Education/ADST Credits)*
Theatre Production 11 – MDRTP11 *(4 Arts Education/ADST Credits)*
Theatre Production 12 – MDRTP12 *(4 Arts Education/ADST Credits)*

Prerequisite: One previous Drama/Theatre Course (Grade 10 has no Prerequisites)

This is a technical theatre course where you will focus on theatre background, set and props, costuming, makeup, lighting, sound & video. You will refine and develop skills in design and management in a collaborative Performing Arts environment. As well, you will learn about theatre production through hands on work on in class performances and a January Production for the school & community. This course can be used to fulfill the Fine Arts requirement. **Some out of class time is required.**

Theatre Company 10 – MDRTC-10 (E Block) *(4 Arts Education/ADST Credits)*
Theatre Company 11 – MDRTC11 (E Block) *(4 Arts Education/ADST Credits)*
Theatre Company 12 – MDRTC12 (E Block) *(4 Arts Education/ADST Credits)*

Prerequisite: One previous Drama/Theatre Course (Grade 10 has no Prerequisite)

Theatre Company is a theatre production course. Students learn the process of acting and technical theatre through participation in five school productions. Students are introduced to a variety of set and theatre styles. This course can be used to fulfill the Fine Arts requirement.

Runs at lunch and after school from September to June.

Theatre Management 10 – MDRD10--T-THMGT (E Block) *(4 Arts Education/ADST Credits)*
Theatre Management 11 – MDRTP11--Y-THMGT (E Block) *(4 Arts Education/ADST Credits)*
Theatre Management 12 – MDRTP12--Y-THMGT (E Block) *(4 Arts Education/ADST Credits)*

Prerequisite: One previous drama/Theatre course

Theatre Management is an intensive technical theatre course. Students will act as School Technical Directors. They will learn technical and management skills by designing and running various school and community events. This course can be used to fulfill the Fine Arts requirement.

Runs at lunch and after school from September to June.

Art

Art Studio 10 – MVAST10 *(4 Arts Education/ADST Credits)*

Imaginative and creative students will love this course because it gives the student a chance to develop his or her skills in an area and allows students to experience other forms of visual art. Art history and critical thinking are explored. You can meet new friends and work with other students on group projects. Some emphasis is given to careers in Art and creating a Portfolio online. Participation in the Surrey Secondary Art Shows is possible.

An art kit is available for purchase.

Art Studio 11 – MVAST11 *(4 Arts Education/ADST Credits)*
Art Studio 12 – MVAST12 *(4 Arts Education/ADST Credits)*

Prerequisite: *Introductory – None*
Advanced – Two previous art courses

Have fun and meet other artistic and creative students like yourself while learning about composition and design in visual art, the history of art, creativity and critical thinking, use of media, technique, archiving and display and scientific, ecological and medical illustration. Career potential and preparation for post-secondary entrance and creating a Portfolio online will be discussed. Participation in the Surrey Secondary Art Shows is possible. **An art kit is available for purchase.**

Studio Arts 2D 10 – MVAD-10 *(4 Arts Education/ADST Credits)*
Studio Arts 2D 11 – MVAD-11 *(4 Arts Education/ADST Credits)*
Studio Arts 2D 12 – MVAD-12 *(4 Arts Education/ADST Credits)*

Prerequisite: Two previous art courses with a B average or higher

Have fun and meet other artistic and creative students like yourself while drawing and painting. Learn how to be more creative and develop images that awe and inspire. A focus on technical illustration and in particular, scientific, forensic, environmental and bio-medical illustration will be addressed. We will be learning about techniques for a variety of painting and drawing styles, how to come up with images and combine them to compose a painting or illustration and discussing what artists in the past have been inspired to create. Career potential and preparation of a Portfolio online will be discussed. Participation in the Surrey Secondary Art shows is possible.

Evaluation will be based on work habits, effort/attitude, assignments, sketchbook, and portfolio.

Studio Arts 3D – MVAC-10 *(4 Arts Education/ADST Credits)*

In this course the student will create in 3 dimensions whether it's in clay or cardboard, metal or mache. The students will work in groups and individually and learn how to design and display their creations. Students will also examine their own and their peers' artwork, considering ideas, techniques and methods and will use a variety of image development strategies, such as brainstorming, sketching, imagining and observing. The process of making art is where the real growth will occur.

Studio Arts 3D 11 – MVAC-11 *(4 Arts Education/ADST Credits)*
Studio Arts 3D 12 – MVAC-12 *(4 Arts Education/ADST Credits)*

Learn how to use the potter's wheel to make a clay pot, carve a soapstone polar bear or design a life like diorama. In this course you will use your skills to build 3D projects that have artistic, functional and cultural value. Meet new friends and work on projects together. Topics covered will include composition and design, history of art, creativity and critical thinking, use of media, technique, archiving (recording) and display. Career potential and creating a Portfolio online will be discussed Participation in the Surrey Secondary Art Shows is possible. **Charges for extra project materials.**

Graphic Arts 11 – MVAGA11 *(4 Arts Education/ADST Credits)*

This is a foundation course in which students will acquire artistic knowledge and perception and technical skills to express and communicate ideas and feelings graphically. Students will learn the basics of graphic design in preparation of original art combining typography, page layout, and integrated graphic elements. Projects may include cartooning, poster design, graphic novel, infographic, linoprint, monoprint, etching and more.

Graphic Arts 12 – MVAGA12 *(4 Arts Education/ADST Credits)*

This is an advanced course in which students will express their original creativity visually and develop and showcase their ability to communicate ideas through a variety of graphic media. Students will learn the techniques in approaching solutions to graphic design problems and the historical perspective and cultural context. Students will develop a portfolio/notebook of their work as a tool for preservation, presentation, and assessment, and demonstrate his/her personal aesthetic sense by determining the contents of the portfolio, using a set minimum number of pieces. Projects may include cartooning, storyboarding, poster design, graphic novel, page layout, infographic, screen-print, linoprint, monoprint, etching and more.

Photography 11 – MVAPH11 *(4 Arts Education/ADST Credits)*

This is an intermediate 2-dimensional design course that concentrates on photography, digital media manipulation and editing and an introduction to video media. Students will explore compositional elements, camera operation, photo enhancement and manipulation, studio set-up and lighting, portfolio development, creativity and work habits.

Photography 12 – MVAPH12 *(4 Arts Education/ADST Credits)*

Prerequisite: MVAPH 11 preferred

This is an advanced course for those students wanting to explore in depth specific areas of photography and video media. Emphasis will be on individual expression through major projects. Students will be expected to work independently and creatively while demonstrating clear technical skills and work habits.

Music - Instrumental

If you do not meet the prerequisites or are unsure of your skill level, please contact the band director, Mr. Tse.

Concert Band 10 – MMUCB10 *(4 Arts Education/ADST Credits)*

Prerequisite: Successful completion of Band 9 or, 3 years experience playing an instrument (with directors' permission)

Students enrolled in this course will have the opportunity to become a member of the Senior Concert Band. In this course you will continue to develop your performance and ensemble skills and will be expected to attend all school performances and other district and community festivals in which we are participating.

Concert Band 11 – MIMCB11 *(4 Arts Education/ADST Credits)*

Prerequisite: Successful completion of band 10 or directors' permission

Students enrolled in this course will become a member of the Senior Concert Band. In this course, you will perform a variety of repertoire. Students will continue to develop their performance and ensemble skills at an advanced level and will be expected to attend all school performances and other district and community festivals in which we are participating.

Concert Band 12 – MIMCB12 *(4 Arts Education/ADST Credits)*

Prerequisite: Successful completion of band 11 or directors' permission

Students enrolled in this course will become a member of the Senior Concert Band. In this course, you will perform a variety of repertoire. Students will continue to develop their performance and ensemble skills at an advanced level which will prepare them for post-secondary studies in Music. You will be expected to attend all school performances and other district and community festivals in which we are participating.

Guitar 10 – MMUGT10 *(4 Arts Education/ADST Credits)*
Guitar 11 – MIMG-11 *(4 Arts Education/ADST Credits)*
Guitar 12 – MIMG-12 *(4 Arts Education/ADST Credits)*

Guitar is a comprehensive course which includes method, technique and creativity to develop an individual voice on the instrument. This course is open to all ranges and abilities and offers development options both individually and in group settings. We cover a range of genres and techniques that will help you develop your journey on the instrument for personal growth. If you are interested in learning to play guitar or wishing to take your playing to the next level, this is the course for you.

Jazz Band 10 – MMUJB10 *(4 Arts Education/ADST Credits)* ***Offered as an E Block, outside the regular timetable***

You must be enrolled in Concert Band 10 to take Jazz Band 10 (E Block)

Jazz Band 10 is a course that continues to build upon the skills learned in Jazz Band 9. In this course, students will have the opportunity to perform Jazz, Rock, Hip Hop, Funk and Big Band styles of music. Students will be expected to participate in local and/or regional concerts and festivals.

Jazz Band 11 – MIMJB11 *(4 Arts Education/ADST Credits)* ***Offered as an E Block, outside the regular timetable***

You must be enrolled in Concert Band 11 to take Jazz Band 11 (E Block)

Jazz Band 11 is a course that continues to build upon the skills learned in instrumental Jazz Band 10. In this course, students will have the opportunity to perform Jazz, Rock, Hip Hop, Funk and Big Band music at an advanced level. Students will be expected to participate in local and/or regional concerts and festivals.

Jazz Band 12 – MIMJB12 *(4 Arts Education/ADST Credits)* ****Offered as an E Block, outside the regular timetable***

You must be enrolled in Concert Band 12 to take Jazz Band 12 (E Block)

Jazz Band 12 is a course that continues to build upon the skills learned in Jazz Band 11. In this course, students will have the opportunity to perform Jazz, Rock, Hip Hop, Funk and Big Band music at an advanced level which will prepare them for post-secondary studies in Music. Students will be expected to participate in local and/or regional concerts and festivals.

Music – Vocal

Vocal Ensemble 10 (FireVox") – MMUVJ10 *(4 Arts Education/ADST Credits)* ***Tues & Wed after school, Thurs at lunch***
Vocal Ensemble 11 (Firevox") – MCMJV11 *(4 Arts Education/ADST Credits)* ***Tues & Wed after school, Thurs at lunch***
Vocal Ensemble 12 (FireVox") – MCMJV12 *(4 Arts Education/ADST Credits)* ***Tues & Wed after school, Thurs at lunch***

Looking for a "Glee"full experience? Explore the world of the contemporary vocal ensemble, from Jazz to pop, from Gospel to Rock with a few musical show tines thrown in for good measure. FireVox students will learn about vocal production, microphone technique and performance skills. Do you have what it takes?

(Vocal Ensemble is a yearlong, E block course.)

Dance (FH Dance Crew)

Dance Techniques and Performance 10 – MDNTP10--Y
Dance Techniques and Performance 11 – MDNTP11--Y
Dance Techniques and Performance 12 – MDNTP12--Y

This dance program is designed for students with dance experience who are interested in being a part of the existing FH dance family – now offered as a year-long elective in the regular course calendar. Dancers will have an opportunity to work in an exciting team environment, developing street style (hip hop) choreography, improving fundamental movement skills, refining technique, and then performing routines in local competitions. In addition to developing hip hop routines, dancers will also explore a variety of traditional and contemporary dance styles to broaden their skills and knowledge. Interested participants will select Dance Techniques and Performance (E Block) during course selection. Shortlisted candidates will then be notified to audition in the spring. This program is all about participation. Consistent attendance and full commitment are a must.



Other

Peer Tutoring 11 – YIPS-1A
Peer Tutoring 12 – YIPS-2A

The most effective way to learn is to teach. Peer Tutoring provides students a unique opportunity to examine and share knowledge and learning strategies. These courses are designed for peer tutors to address the diversity of a given student population and to model and reinforce successful learning behaviours as well as organizational, study and communication skills. This course is only available to Grade 11 and 12 students.

Students who want to take part in the Peer Tutoring program must:

- Be students who are willing to help support younger students
- Be an excellent role model
- Be proactive, reliable, mature, and self-motivated
- Be recommended by at least two teachers or staff, and
- Maintain a C+ or better GPA
- Pass an intake interview with Mr. Scarlett or another LST teacher

See Mr. Scarlett for an application and interview.

Skills for Success 12 – YIPS-2D (Open to Grade 12 Students Only)

SFS is an interdisciplinary course, which is designed for students to reflect on their personal strength and improve on personal and educational challenges experienced inside and outside of school. The course is strongly linked to the core competencies as well as skills and values taught by the Learning Support Team; our aim is to provide students with opportunities to engage in topics that are relevant to their personal goals and will prepare them for life after high school. SFS is about supporting students to become active members in their communities and build on the necessary skills to become life-long learners. To be successful in this course, students must show a willingness to be self-directed and maintain an open mind towards new ideas. SFS not only focuses on maintaining and achieving core skills, but it is also about understanding and celebrating the diversity within our communities.

Students who want to take part in the Skills for Success program should:

- Be willing to participate in group work and class discussions
- Be open to sharing about their challenges and successes
- Be willing to meet during lunch and for field trips
- Have been successful participants in the learning support program (LST)
- Be willing to present and facilitate activities for LST students

Library Information and Literacy Studies 11 – YCAIS1A

Do you love libraries, books, and helping people? Library Science 11 is a course you can take with Ms. P-J in the library learning commons. This course provides you with an in-depth study if library management, organization, and services. You will be of lifelong value, acquire the necessary skills to critically evaluate resources for their appropriateness, and work on promoting the library materials and services. You will also help run the LLC and thus get an opportunity to practice work related customer service skills. Most of your mark will be based on your daily work helping run the library learning commons but you will also be given monthly genre assignments, and other assignments designed to help you learn more about learning commons and help you learn research and presentation skills.

How to become a Library Scientist: Visit your alpha counsellor, fill out a Library Science application form (you will get it from your counselor), and have a brief interview with Ms. P-J. If you are an *independent, socially responsible, conscientious worker who attends classes regularly,* most likely you will be accepted. There is only one spot per block unless special circumstances.

Library Learning Commons Inquiry 12 – YCAIS2A

Prerequisites: Library Information and Literacy Studies 11

Students will have the opportunity to use all the skills and knowledge acquired in Library Information & Literacy Studies 11 while working in the library on an independent inquiry project. This course will provide students with an opportunity to study a topic of their choice in depth and create personal meaning. Students will work on developing the skills and maturity to work independently in pursuit of becoming a lifelong learner, creativity, and drive are essential for success.

Leadership 10 – YIPS-OB—Y-LEAD
Leadership 11 - YIPS-1B—Y (E Block – Before school, at lunch or after school)
Leadership 12 – YIPS-2B—Y (E Block – Before school, at lunch or after school)

Leadership 11/12 builds on the experiences obtained in Leadership 10, Leadership 11/12 puts students in a new role. They continue to help with events such as the Grade 8 retreat, FH athletics, and intramurals, but more so in a mentorship role. It also focuses on how to make an impact on larger communities (local, national, global). This course may have field trips to enrich the course, there is a cost associated with these.

****Please note that there is an application process that students must undergo to be approved for this class. It is recommended to have taken Leadership 10, but it is not mandatory to apply.**

District Programs

There are several District Programs available to students in Grade 11 and 12 (students must apply in Grade 10 or 11) who are interested in getting a head start on their career path. Each program is unique, but essentially students take college courses; while in high school, they get dual credits, and these programs are paid for by the School District. To find out more about these specialized programs, check out the District website.

The District is currently offering the following programs:

Automotive Collision Repair	**Carpentry**	**Electrical**	**L E P P**	**Plumbing**
Automotive Service Technician	**Culinary Arts**	**Emily Carr**	**Masonry**	**Steel Fabrication**
Automotive Finishing Tech	**Drafting/CADD**	**Flight Center**	**Millwright**	**Welding**
Baking	**Early Childhood Education**	**Hairdressing**	**Painter/Decorator**	

Secondary School Apprenticeship

An Apprenticeship is an agreement between a student, employer, union, and the Industry Training Authority, where the student agrees to work under the supervision of a qualified journeyperson to learn a trade. SSA is a one or two-year program where students are registered as apprentices, trained, and paid by the employer to complete 480 hours of workplace-based training, and students get 16 credits towards graduation. Upon graduation from high school, the completion of the paid work hours in the trade, and continued employment for five months after high school graduation, students will be given a $1000 scholarship from the Ministry of Education. **Apply During Course Selection.**

Program	Content	Where	Credentials	Minimum Requirements
Automotive Collision Repair Tech	Automotive collision repair training	Vancouver Community College Auto Collision Dept. 1155 E Broadway	• Dual credit for coursework; high school and College • Level 1 Apprenticeship	• Math 10 • English 11 or Communications 12 • Mechanical Aptitude
Automotive Service Tech	Automotive service technician training	Lord Tweedsmuir Secondary including 4 weeks at KPU	• Dual credit for coursework; high school and University • Level 1 Apprenticeship Technical Training • Kwantlen Certificate of Completion	• C in Foundations or Applications of Math 11 • Physics 11 or Science & Technology 11 recommended • English 11 • AST 11
Automotive Refinishing Prep Tech	Automotive refinishing prep and refinishing	Vancouver Community College Auto Collision Dept. 1155 E Broadway	• Dual credit for coursework, high school and college • Level 1 Apprenticeship Technical Training • VCC Certificate of Completion	• Math 10 • English 11 or Communications 12

Program	Content	Where	Credentials	Minimum Requirements
Baking & Pastry Arts	General baking training / cake and pastry specialization	Vancouver Community College	• Dual credit for coursework; high school and College • Level 1 Apprenticeship Technical Training • Vancouver Community College Certificate of Completion	• Workplace or Foundations of Math 10 • English 10 • Food Safe Certificate Level 1
Carpentry	Carpentry training	Guildford Park or Frank Hurt Secondary including 4 weeks at KPU	• Dual credit for coursework; high school and University • Level 1 Apprenticeship Technical Training • Kwantlen Certificate of Completion	• Workplace or Foundations Math 10 • C in English 10 • Reading and measurement skills • Physical ability to do the work
Culinary Arts	Cook training	Tamanawis Secondary & Vancouver Community College	• Dual credit for coursework; high school and college • Level 1 Apprenticeship Technical Training • Vancouver Community College Certificate of Completion	• Math 10 • English 10 • Food Safe Certificate Level 1
CTC Drafting/CADD	Computer drafting	KPU	• Dual credit for coursework; high school and university • Kwantlen Credits • Graduate with a Dogwood Diploma. Students do no pay post-secondary tuition if accepted	• Grade 10 completion • Workplace or Foundations of Math 10 with C+ or higher • Registered & currently attending a public school in Surrey • Strongly recommend completion of Grade 11 and Math 11
Electrical and Industrial Electronics	Electrical installations training	Princess Margaret Secondary	• Dual credit for coursework; high school and College • Level 1 Apprenticeship Technical Training • BCIT Certificate	• Workplace or Foundations of Math 10 • Foundations or Applications of Math 11 **and** Physics 11 is strongly recommended
Emily Carr Head Start in Art	Portfolio development	Guildford Park Secondary	• First Year Foundation degree credit at Emily Carr University and transfer credit to other Fine Art Programs	• C in English 12 plus 2 other Grade 12 courses and 2 Grade 12 electives • Course tuition is paid by the student
Hairdressing	Theory and salon training	School District 36 Hairdressing School	• Level 1 Apprenticeship Technical Training • Cosmetology Industry Association Certificate of Completion	• Successful completion of Grade 10 • C in English and Math 10 • Physical ability to do the work
Horticulture	Skills for landscape / greenhouse industry	Kwantlen Polytechnic University (Langley Campus)	• Dual credit for coursework; high school and College • Level 1 Apprenticeship Technical Training • Kwantlen Certificate of Completion	• Grade 10 completion recommended • At least a C in Math and English 10 • Physical ability to do the work
Law Enforcement Preparatory	Skills to pass various entrance requirements for law enforcement	Nicola Valley Institute of Technology	• LEP equips students with required knowledge to pass various entrance requirements for law enforcement or other related enforcement fields	• English 10 and Math 10 • RCMP record check • Class 5 drivers license

Program	Content	Where	Credentials	Minimum Requirements
Masonry	Skills and knowledge to work with bricks, blocks and stone	Kwantlen Polytechnic University (Cloverdale Campus)	• Dual credit for coursework; high school and university • Level 1 Apprenticeship Technical Training • Kwantlen Certificate of Completion	• Successful completion of Grade 10 with at least a C in Math and English 10 • Grade 11 completion recommended • Physical ability to do the work
Millwright	Skills to work in Industrial Mechanics, Machinist and Metal working	Kwantlen Polytechnic University (Cloverdale Campus)	• Dual credit for coursework; high school and university • Level 1 Apprenticeship Technical Training • Kwantlen Certificate of Completion	• Foundations or Applications of Math 11 • C in English 11 • Pass Kwantlen Test for Trades • Physics 11 recommended • Grade 11 completion recommended • Physical ability to do the work
Painter / Decorator	Skills to work as a Painter or Decorator			
Plumbing	Skills and knowledge to being work in Plumbing	Panorama Ridge Secondary	• Dual credit for coursework; high school and university • Level 1 Apprenticeship Technical Training • Kwantlen Certificate of Completion	• At least a C in Workplace or Foundations of Math 10 and English 10 • Physics 11 recommended
Welding	Welding, various methods	Kwantlen Polytechnic University (Cloverdale Campus)	• Dual credit for coursework; high school and university • Level "C" certification • Kwantlen University credits	• Successful completion of Grade 10 with at least a C in Math and English 10 • Grade 11 completion recommended • Physical ability to do the work

Program	Content	Where	Credentials	When to Apply	Minimum Requirements
Secondary School Apprenticeship	On-the-job registered trades training in many different areas	Employers site outside of school hours	Apprenticeship credit, possible SSA scholarship ($1000)	Any time after age 15 student must be employed	• Must meet academic requirements of the trade to continue with next level of training • Check individual trade requirement

School & District Services

There are several specialty programs offered in the Surrey School District. Descriptions of some of the specialty programs available in the Surrey School District are listed below. To find out more about the program options, including admissions requirements, contact the counselling department or administration at the school.

Counselling

Counselling services are a personal resource service and a resource for teachers and families. Counsellors act as advocates for students and their families. Seeing a counsellor is a simple matter of emailing your alpha counsellor and setting up an appointment. The counsellors provide the following services:

Personal Counselling

- Confidential discussion of personal concerns

Educational Counselling

- Selection of courses, program planning, graduation requirements, post-secondary entrance requirements and reference materials, student concerns regarding courses and study skills

Career Counselling

- Exploration of values, interests, abilities, needs
- Establishing career goals and exploration of related occupations

Referrals

- After consultation, counsellors may provide appropriate referrals to other school system services or non-school agencies.

Learning Support Team

The Learning Support Team (LST) located in Room 210 supports the diverse learners at Fraser Heights Secondary. Students who would benefit from the additional support of LST are determined through consultation with elementary school teachers, LST teachers, counsellors, and administration. The LST department offers many levels of support for you throughout your educational career at Fraser Heights.

The types of support available include:

- **Peer Tutors:** Peer Tutors are typically students on Grades 11-12 who want to help students in the younger grades find success. Peer tutors are trained by the LST department and then placed in classes to work with any students who are struggling. This course offers students a chance to give back to the Fraser Heights community and step beyond their usual role as students to take on more responsibility as mentors in the classroom
- **In Class Support:** Teachers and Inclusive Education Support Workers provide in-class support for students in academic classes. In classes where these kinds of support exist teachers and IESW's are available to help any

students in the class who are struggling. The LST department members are also a great resource for test taking strategies, organizational skills, and adapted materials.

- **Pull Out Support:** Students who are needing additional support or one on one help can come to the LST room for pull out support. This can be done in small groups or one on one. All that is needed is permissions from your classroom teacher.
- **Support Blocks:** Support blocks are available to students who need extra help and support to be successful. Students needing this level of support need to speak to the LST staff to have their support block put in place.
- **Homework Club:** Homework Club is run by a group of Fraser Heights students who are eager to help students in various subjects. This club is great for students who'd like extra help on assignments from a knowledgeable peer in a welcoming and warm environment.

Library Learning Commons

"The contents of a library can take you further than your own imagination could begin to imagine. To open a book is to open your mind." – Amberle Cianne"

Working Together for Student Success!

The Fraser Heights Library Learning Commons is open to students from 7:45am – 3:30pm most days (it closes at 3pm on Fridays). Lunch is a great time to come in and work on assignments. Our collection of non-fiction and reference books supports and enriches the curriculum and provides a wide reading level. We also have a great collection of fiction books. Ask Ms. P-J for help in finding things or use the catalogue!

Students can access the internet the SD36 online databases, and word processing programs using the computers. Ms. P-J is available to assist students with research projects, study skills, information technology skills and make suggestions for reading.







School Resource Officers (SRO)

The school resource group is comprised of seven RCMP members. These officers aid in giving lectures to the elementary grades and problem solving for the secondary students.

B.A.S.E.S. Program

B.A.S.E.S. stands for **B**asic **A**cademic, **S**ocial, and **E**mployment **S**kills program. Students are placed in the **B.A.S.E.S.** program by the school district. Students in the program are generally on a modified school program and will receive a School Completion Certificate rather than a Dogwood Diploma upon graduation.

The goal of the **B.A.S.E.S.** program is to prepare students for the working world and independent living within the community.

Functional academics, life skills, social skills, community skills and employment skills are the focus of the **B.A.S.E.S.** program.

Indigenous Program

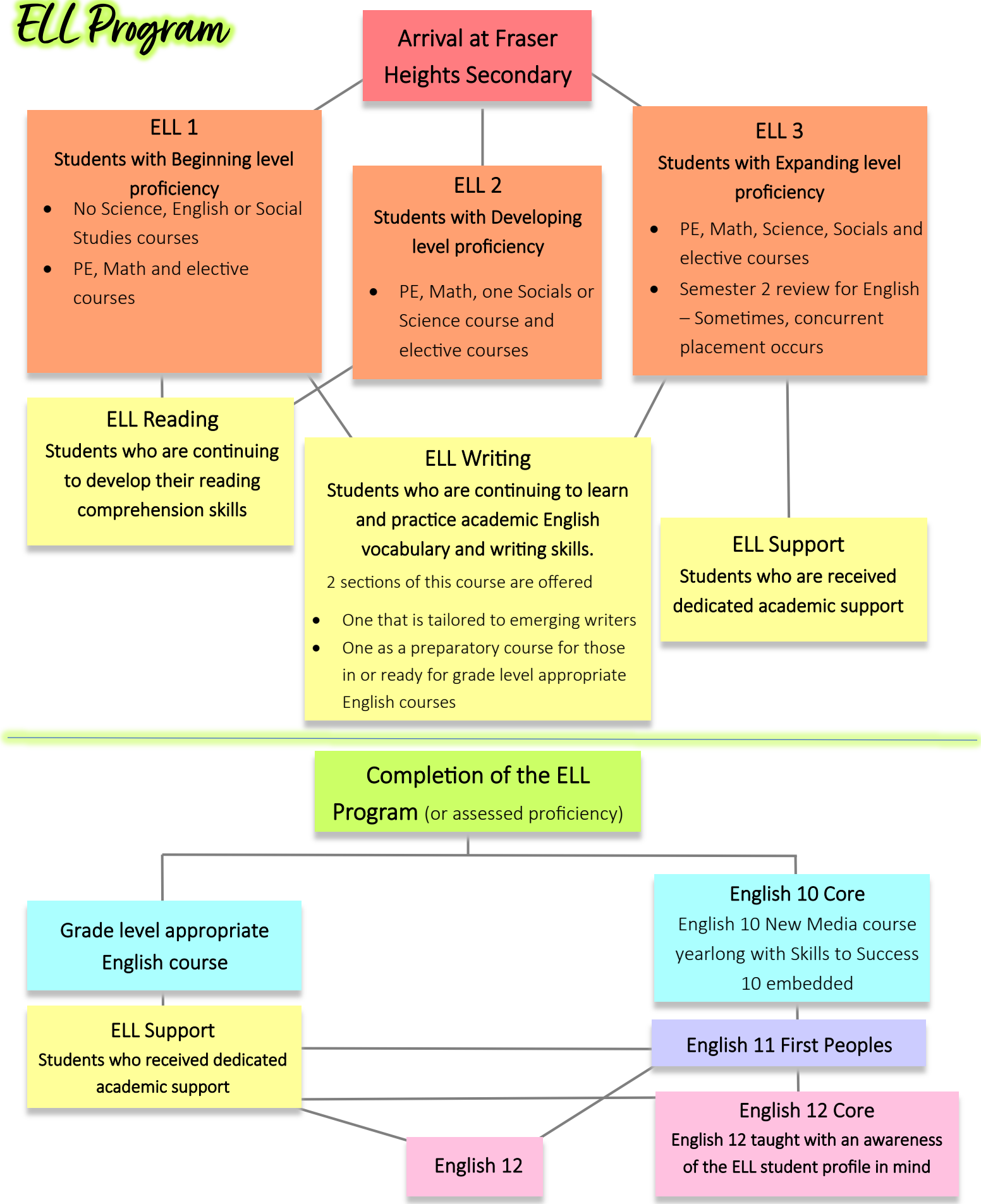
At Fraser Heights we have an enthusiastic and committed Indigenous Team working for the success of all Indigenous Youth. Indigenous Youth includes First Nations (Status and Non-Status), Metis and Inuit. All staff work to support the vision and goals of the Surrey Aboriginal Education Enhancement Agreement.

To have every Indigenous learner graduate with dignity, purpose, and options.

- Increase positive identity and sense of belonging for all Indigenous learners.
- Increase knowledge and understanding of Indigenous History, traditions, and cultures for all learners.
- Increase achievement for Indigenous learners.

At Fraser Heights we have special events, luncheons, in class support, as well as flex-time and after school support. The District Indigenous Learning Department sponsors events such as the District Aboriginal Grad Ceremony. Throughout the year we receive email notices about scholarships, special programs, and job opportunities. To be a part of our Indigenous program here at Fraser Heights, contact your counselor.

ELL Program


Arrival at Fraser Heights Secondary
ELL 1
Students with Beginning level proficiency
No Science, English or Social Studies courses
PE, Math and elective courses
ELL 2
Students with Developing level proficiency
PE, Math, one Socials or Science course and elective courses
ELL 3
Students with Expanding level proficiency
PE, Math, Science, Socials and elective courses
Semester 2 review for English – Sometimes, concurrent placement occurs
ELL Reading
Students who are continuing to develop their reading comprehension skills
ELL Writing
Students who are continuing to learn and practice academic English vocabulary and writing skills.
2 sections of this course are offered
One that is tailored to emerging writers
One as a preparatory course for those in or ready for grade level appropriate English courses
ELL Support
Students who are received dedicated academic support
Completion of the ELL Program (or assessed proficiency)
Grade level appropriate English course
English 10 Core
English 10 New Media course yearlong with Skills to Success 10 embedded
ELL Support
Students who received dedicated academic support
English 11 First Peoples
English 12 Core
English 12 taught with an awareness of the ELL student profile in mind
English 12

District Based Services

Youth Care Workers: Itinerant and School Based

Youth Care Workers provide for students in connection programs. As well, Itinerant Youth Care Workers are a district resource used to provide short term strategic intervention for students in regular classroom settings who require behavioural support. They may also provide support for students referred to or transitioning from connection programs.

District Resource Counsellors

- Counsel students/families as requested.
- Consult with counselors, administrators, and School Based Teams regarding high-risk students/
- Consultation, negotiation and coordination with students/parents, district/school personnel for placement of students who are suspended over five days.
- Participate in or represent our school district on specific community committees.
- Act as an advocate for students and families.
- Act as a resource for school-based Crisis Response Teams.
- Assign and supervise itinerant childcare worker placements.
- Liaison for Ministry programs.

Hospital Homebound Teacher Service

This service provides direct instruction to students who are unable to attend school due to a non-contagious medical situation. The Hospital Homebound Service can be accessed via the school counsellors.

Integration Support Teachers

This is a school and/or District based service supporting low incidence students and their classroom teachers.

School Psychologists

Provide district based, educational assessment services designed to support students, school personnel, and parents in enhancing academic, adaptive, and social skills for students.

Speech/Language Pathologists

Provide support to students who's educational and/or social progress is adversely affected by communication difficulties.

Visiting Teacher Program

Teachers are assigned to teach students at home or at Student Services who are unable, for a period of given time to fit into an appropriate classroom facility in our district. The students who may be on waiting lists for rehabilitative and behavior disorder classes have school phobias or other problems.

Other Special Support Services that are available include:

Multicultural Workers	Career Preparation, Work Experience and Secondary School Apprenticeship	Educational Evaluation
Adolescent Day Treatment Program	Indigenous Education	Hearing and Vision Services

Financial Awards Information

Each year, hundreds of Surrey high school students apply for scholarships and other forms of financial aid to pursue their interests and studies at the post-secondary level. Many of these students choose to expand their educational horizons by participating in a wide variety of specialized programs, ranging from student exchanges and youth conferences to work-study programs. Others invest time, energy, and expertise in preparing for contests and competitions designed specifically for the benefit of secondary students.

Information on financial opportunities can be accessed from a variety of sources. School counselling staff and/or individuals from a Scholarship Committee will circulate information on scholarship opportunities during the school year. Students should review the Fraser Heights scholarship website to gain a broad perspective of existing scholarship and contest possibilities. Students are also encouraged to consult university and college calendars for additional information on scholarships and specific criteria. The following information highlights a few of the many scholarship opportunities that are available.

Provisional Scholarship Program

The programs purpose is to recognize student achievement and encourage students to pursue post-secondary education. Winners must meet basic eligibility requirements and the specific requirements for each scholarship. Please check the "Handbook of Procedures for the Graduation Program" on the BC Ministry of Education website for updated scholarship information and application requirements.

Scholarship	Amount	Application Required	Application Process	Winners Selected By	Vouchers Mailed
BC Achievement Scholarship	$1,250	No	None	Ministry	Oct
District/Authority Scholarship	$1,250	Yes	Student applies to District/Authority	District/Authority & Validated by Ministry	Oct
BC Excellence Scholarship	$5,000	Yes	Each schools selected Grade 12 Nominee applies directly to the Ministry	Ministry Committee	Sept
Pathway to Teacher Education Scholarship	$5,000	Yes	Student applies to Ministry	Ministry Committee	Sept

University Entrance Scholarships (Up to $30,000)

Students apply directly to various post-secondary institutions for consideration based on the Grade Point Average and extra-curricular involvement in athletics, the arts, community service and student government. Additional entrance scholarships require nominations from high school staff.

School District and School Scholarships, Bursaries, and Awards

Students are considered for a variety of school-based and community awards based largely on Grade Point Average and extra-curricular involvement in athletics, the arts, student government and community service. In some cases, citizenship, humanitarianism, special needs and/or contribution to specific programs are an integral part of the scholarship and award. The Surrey School District administers several scholarships and bursary opportunities to its graduates called Partners 36 Scholarship. This is made possible through the contributions of individuals, corporations, and community service organizations.

Please consult your school-based Counselling Department or Student Services Centre for additional information on financial opportunities.

Additional Information

For information on local colleges and universities, and financial aid available, please refer to the specific post-secondary information's calendar, or web page, or the following internet sites:

Provincial Awards Program

Student Aid BC

Scholarships Canada

Education Planner

Aboriginal Scholarship Guide

