Grade 10 Plan
Course List

Required Courses:

English 10 (4 credits)
Mathematics 10 (4 credits)
Science 10 (4 credits)
Social Studies 10 (4 credits)
Physical & Health Education 10 (4 credits)
Career Life Education 10 (4 credits)

Numeracy 10 Graduation Assessment
Literacy 10 Graduation Assessment

---

4 credits of Fine Arts or Applied Design Skill and Technology (ADST)



Looking Ahead: Planning for Graduation and Beyond

As you enter Grade 10, you're stepping into a critical phase of your high school journey. This year marks the beginning of your path toward graduation, where you'll begin fulfilling essential graduation requirements and exploring your future options. Whether you're considering post-secondary programs, apprenticeships, or entering the workforce directly after high school, the choices you make this year are important. Take time to reflect on your strengths, interests, and goals, and start exploring the many opportunities that await you after high school. With careful planning and support from teachers, counselors, and your family, this is the time to shape the future you want to build.

Grade 10 Plan
Course Descriptions

Required Courses

English Language Arts 10

The major goal of English 10 is to provide learning strategies around the three cores competencies of thinking, communicating, and personal/social learning. Through the integration of reading, writing, oral communication, viewing, and representing, English 10 is designed to develop students' language arts skills and to enhance their appreciation of literature and language, including First Peoples literature and First Peoples Principles of Learning. The activities and resources are selected to appeal to a range of interests and abilities and to foster inquiry, curiosity, and thoughtful reflection connected to the curricular competencies and 'Big Ideas' of the grade 10 curriculum:

- The exploration of text and story deepens our understanding of diverse, complex
- ideas about identity, others, and the world.
- People understand text differently depending on their worldviews and perspectives.
- Texts are socially, culturally, geographically, and historically constructed.
- Language shapes ideas and influences others.
- Communication empowers and engages people as citizens in the real-world.

For all grade 10 students, English 10 will appear as "Composition 10 and Literary Studies 10" on their transcripts, though elements of Creative Writing 10, New Media 10, and Spoken Language 10 will be incorporated. Upon successful completion of English 10, students will choose between Composition 11, Literary Studies 11, Creative Writing 11, and New Media 11 to meet their grade 11 English Language Arts requirement.



Required Courses ▪ Grade 10

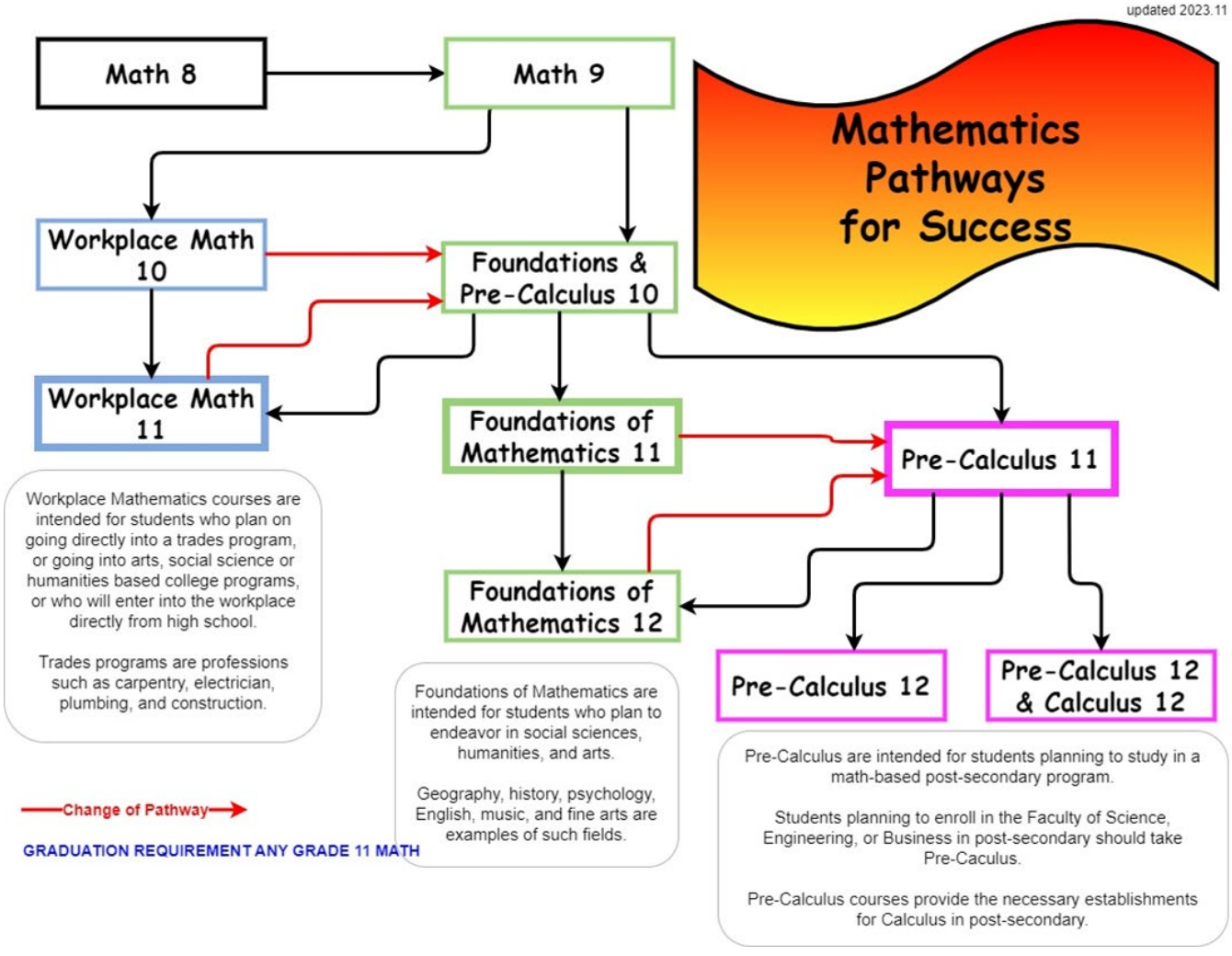
Mathematics 10

The BC Mathematics curriculum aims to ensure that our citizens are numerate and embody mathematical habits of mind. The curriculum is designed to give all students the opportunity to learn skills to successfully locate, analyze and apply the information they need in their work and personal lives after they graduate. Four areas of curricular competencies that are critical to students' learning, doing and understanding Mathematics are:

- Reasoning and Analyzing
- Understanding and Solving
- Communicating and Representing
- Connecting and Reflecting

Students will be evaluated on how well they know the content as well as what they can demonstrate in all four areas of curricular competencies.

When concerns or questions arise regarding Math placements, it is advised that both student and parent(s) to contact the Math teacher. In addition, please check with post-secondary institutions for admission requirements for specific programs.



Required Courses ▪ Grade 10

Mathematics 10 continued

As you move into Mathematics 10, you'll begin choosing the pathway that best supports your future goals. Students will select one of two courses designed to meet different post-secondary and career needs.

1) Workplace Mathematics 10

Entry into this course requires a recommendation from the student's Math 9 teacher. The Workplace Mathematics pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into many trade programs and for direct entry into the workplace.

Students will explore:

- create, interpret, and critique graphs
- primary trigonometric ratios
- metric and imperial measurement and conversations
- solving problems involving surface area and volume
- central tendency
- experimental probability
- financial literacy: gross and net pay



2) Foundations of Math and Pre-Calculus 10

Entry into this course requires a recommendation from the student's Mathematics 9 teacher. Foundations of Math & Pre-Calculus 10 is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs. This course leads to either Foundations of Mathematics 11 or Pre-Calculus 11.

The topics include:

- operations on powers with integral exponents
- Prime factorization
- linear relations: slope and equations of lines
- arithmetic sequences
- solving systems of linear equations
- multiplication of polynomial expressions
- polynomial factoring
- primary trigonometric ratios
- financial literacy: gross and net pay

FMP 10 students are encouraged to participate in the Fermat Mathematics Contest which is held in February.

Prerequisite: Good standing in Mathematics 9 and teacher's recommendation.

Required Courses ▪ Grade 10



Science 10

The BIG IDEAS include Genetics: diversity of living organisms; Chemistry: rearranging of atoms; Astronomy, the universe explained; and the Environment: energy and living things. Some of the competencies include creating questions with increasing complexity about the natural world; assess risks and address environmental issues; analyze patterns and trends using graphs, models and diagrams; critically analyze the validity of information in secondary sources and evaluate the approaches used to solve problems.

Social Studies 10

Socials 10 is a course that looks at Canada's development in the twentieth century. This course is designed to be a critical thinking course that will study global and regional conflicts, including both world wars, and post war conflicts. This course will enable students with a better understanding of different political institutions and how these structures and ideologies shape Canada's economic and social institutions. Lastly, this course will look at historical and contemporary injustices and discuss how these have shaped the narrative of Canadian identity in the 20th century.

This course will continue to develop the social studies competencies in historical thinking skills to be an active citizen. This is a prerequisite for senior level social studies electives.





Required Courses ▪ Grade 10

Physical and Health Education 10

Through participation in a variety of activities and sports, students will develop a positive attitude towards active living in the pursuit of lifelong health and well-being. Activities will be selected from various movement categories, physical activities and fundamental movement patterns. Emphasis is placed on developing positive personal and social behaviors and interpersonal relationships. The demonstration of efficient and effective fundamental movement skills and concepts in the movement categories will be stressed. Students will also have the opportunity to become certified in St. John's Emergency First Aid.

Students may choose from the following P.E.s:

- Boys
- Coed
- Girls
- Band (this course will alternate with a Band course)



Career Life Education 10

Career Life Education 10 (CLE10) is a full semester course required for graduation. It is a pre-requisite for Career Life Connections 12 (CLC12). CLE10 is where students begin to envision their preferred futures and map out broad routes to get there with a large focus on actions being taken in high school. Units covered include identity and goal setting, community citizenship, employability skills, financial literacy, and career and education exploration.





Required Courses ▪ Grade 10

Leadership

Physical and Health Education Leadership 10

(This is a linear course that will alternate with Career Life Education 10 Leadership)

PE Leadership 10 is a course designed to develop interpersonal and social skills. It will be structured like a Physical Education class, with a focus on personal growth and contributing to their school community. Students will develop and refine their leadership skills through guided instruction and active participation in class activities. Part of the course involves volunteering within the school, mainly within the athletics program but can also include other in-school events. **The course is linear and will meet the requirement for Physical and Health Education 10 and Career Life Education 10. ***

****Application is required****



Elective Courses ▪ Grade 10

This section introduces the elective courses students can choose to fulfill their graduation requirements. These courses allow students to explore areas of interest while earning the credits needed for completion. Review the options and find the subjects that inspire you!

Business Education

Entrepreneurship and Marketing 10

This course will cover the basic understanding of business in Canada and Society. Students will gain basic skills in the function and use of marketing, business communication, entrepreneurship and how each relates to our unique business environment. Students will also gain an appreciation and understanding of global business.

With an emphasis on creative and critical thinking, students will use a variety of mediums both independently and cooperatively to begin to acquire the necessary skills and awareness to participate in the Business Community. Computers will be used as tools for research and business applications.

Students who take this course will have opportunity to participate in "QE Dragon's Den," and will do a unit learning about the Sports and Entertainment industry.



Computer Studies 10

This course provides an opportunity to learn about computer hardware, external components and various software types and how to trouble shoot them. Students will learn about structure and content of HTML, CSS, JavaScript, and block coding. Students will be exploring benefits and drawbacks of online websites, computer security risks, digital literacy and citizenship, how to plan and write simple programs and content management systems along with learning how to create and manage databases.

Students will also be required to study the impact of computers and technology on society and ethical issues of technology use and environmental sustainability. Students will also research career options and the interpersonal skills necessary for success in this field.



Elective Courses ▪ Grade 10

Fine Arts



Art Studio 10

In Art 10, students will improve their skills in all art areas: drawing, painting, sculpture and mixed media (collage).

Students will begin to look at art with critical understanding so that they may develop their own style. There will be opportunities to work on projects of their own.

Students will use a wider variety of materials and learn more techniques to produce beautiful drawings, paintings, sculpture, prints and mixed-media artwork. Students will have the opportunity to attend field trips, participate in school and community exhibitions.

Concert Band 10 (Instrumental Music)

This group studies and performs a variety of music, including pop, jazz, and rock. Each year, the group performs at concerts and festivals. Special emphasis is placed on developing improvisation skills, ensemble playing, forming small bands called “combos”, building of self-esteem and achieving a very high level of playing skill and musicianship.





Dance 10 (Intermediate)

***Completion of Dance 9 is highly recommended. ***

Students will delve more deeply into the intricacies of each genre. You will work on group choreography projects as well as dance the choreography of others (i.e. teacher, guest, peers). Performance opportunities include the Surrey District Dance Festival, Breakout and Outbreak dance competitions and our semester end showcase called QinEsthetics.

This class is perfect for students who have enjoyed dance previously and are ready for more performance opportunities. Often students who have had experience performing in front of others have increased self-confidence.

Elective Courses ▪ Grade 10

Fine Arts cont.

Drama 10

Students will continue to explore improvisation, speech and movement. Emphasis is placed on creative scene work and original material.

Personal awareness and self-discipline continue to play an important role throughout this course.



Guitar 10

This is a beginner guitar course so even if you've never played music before, this is a great opportunity. This course is designed to equip students with beginner guitar skills including reading notes, reading chords, group playing, group performance, basic soloing ability, healthy playing posture, playing techniques and some basic music theory understanding.
The guitar is the most popular instrument worldwide because it is light and easy to carry, not very expensive and sounds great! If you have taken Guitar 9, you can both re-learn the basics, and to move onto book 2, if you are ready to learn more techniques.



Elective Courses ▪ Grade 10

Fine Arts cont.

Media Arts 10 (Beginner)

In this course we will begin to explore photography, drawing digitally, video creation, and graphic design in more detail. Students will begin to create portfolios as we learn photoshop, DSLR photography techniques, illustrator, and video creation software.

There are no experience or skills necessary to take this course but is recommended for students who wish to take Senior Media Arts and Yearbook courses.

(If students have experience in Procreate that can be used in place of Photoshop unit).





Photography 10 (Beginner)

This is an introductory course in the medium of photography.
Students will know, do and understand the following skills:

- Compose interesting photographs of all subject matter through different composition techniques
- Enhance digital photographs with Adobe Photoshop
- Take traditional black and white photographs with a verity of cameras
- Take digital photographs with a variety of cameras
- Develop and print black and white photographs (darkroom)
- Use effective lighting for portrait and product photography
- Display and present photographs effectively

No pre-requisite is needed for this course.



Elective Courses ▪ Grade 10

Fine Arts cont.

Studio Arts 2D 10 (Drawing and Painting)

In Art 10 2D students will enhance their skills in 2D media. Students will produce acrylic/canvas and water colour paintings, various print-making techniques and media as well as, all aspects of drawing.

Students will be encouraged to combine any of the materials and techniques learned to produce mixed media artwork. Students will have the opportunity to attend field trips, participate in school and community exhibitions.

Studio Arts 3D 10 (Ceramics and Sculpture)

This is a course for students who wish to enhance their skills in sculpture and pottery.

Materials used will include clay, mixed media, wood, metal (wire), paper-mache, etc.

Students will have the opportunity to use the pottery wheel as well. This course will teach the basics of each of these materials and there will be time for students to create projects of their own.

Students will have the opportunity to attend field trips, participate in school and community exhibitions.







Elective Courses ▪ Grade 10

Home Economics

Family and Society 10

This course is designed for students as an introductory study of the "family," including culture, societal influences, spirituality, and family relationship dynamics. We will explore topics such as healthy/unhealthy communication, interpersonal relationships, the roles and rights of children, living and housing options for individuals and families, and caregiving issues. The opportunity for simulated parenthood with electronic computer babies is available.

Food Studies 10

In this course students will develop practical culinary skills and the ability to create and design their own food products. Students will become familiar with the design process, elements of meal preparation and the relationship between eating practices, and mental and physical well-being. Other topics will include food trends, food contamination, nutrition, marketing, and various factors that impact food choice and availability.



Textiles Studies 10

This course is designed for students who are interested in creating textile projects using commercial patterns. Students will build on their knowledge with the use of a serger, sewing machine, computerized embroidery machine and other tools of the textile trade. Areas of learning will focus on fitting and pattern adjustment practices, design fundamentals, wardrobe planning, as well as practicing and expanding on various sewing techniques. Students may work on various projects including stuffed animals, zippered hoodies, accessories, shirts, dresses, skirts and pants. This course allows students the opportunity to fulfill applied skills requirements for graduation.



Elective Courses ▪ Grade 10

Modern Languages

French 10

French 10 builds upon skills learned in both French 8 and French 9. For the duration of the course, students will be encouraged and able to communicate and converse in French spontaneously. Further study of French past and future tenses is added at this level. French 10 students will benefit from their continued study of the language. They will be better prepared for Canada's workforce, able to communicate while travelling abroad and will be starting preparation for the prestigious DELF exam*.
Recommended Prerequisite: French 9

Bonjour!

Punjabi 10

This is an introductory level Punjabi course open to Grade 10 or 11 students who have never taken a Punjabi course before. This beginner's course is designed to introduce the students to Punjabi alphabets, basic grammar structures, vocabulary and oral skills. Punjabi culture is also explored with emphasis on history, festivals, religion and music. Students who intend to use Punjabi as their language requirement for graduation or university entrance must take Punjabi 11 after the completion of this course. Students may take Punjabi 10 and 11 in the same school year, if the schedule allows it.

Recommended: If you already have prior Punjabi reading and writing skills, check with a Punjabi teacher before enrolling in this course.

Sata srī akāla

Spanish 10

This is an introductory course of Spanish language and culture. This course is designed for students who have not studied any Spanish before and requires active participation. Basic vocabulary and common structures of spoken and written Spanish are covered.

PLEASE NOTE: Introductory courses Spanish 9 are not intended for native speakers of the language.

F FÐ› Ģ

Elective Courses ▪ Grade 10

Physical and Health Education

BAA Fitness and Healthy Lifestyles 10 (SD36)

This course is designed to further students' study of health information, goal setting, fitness training, fitness testing and the connection to the community.

Get Fit 10 is designed to provide students with opportunities, beyond Physical and Health Education 10, to achieve improved levels of health knowledge and intrinsic motivation to be more active. Get Fit 10 combines personal awareness of an individual's current level of health and fitness with an increase in the knowledge and skills to improve overall health. Students will be provided the opportunity to attain a greater understanding of health and the effects of lifestyle choices while in a safe environment to work towards personal goals for an improved level of physical fitness.

***This course is an additional elective and does not take the place of PE 10 as a graduation requirement. ***

BAA Fitness and Healthy Lifestyles 10 (SD36) for Girls

***This class is for female students, students who identify as she / her and those who identify as non-binary. ***



Elective Courses ▪ Grade 10

Technology Education

Media Design 10 (3D Animation & Computer Design)

***Only available in Grade 9 & 10**

Have you ever wanted to develop your own 3D characters/objects like the cars or buildings in a favourite video game or movie? Or wonder how companies like PIXAR add life to 3D objects. In junior animation, students can practice the skills and techniques used by the gaming and film industry to create digital animations using the industry leading Autodesk 3Ds Max program. The course covers character creation, giving character's life-like features such as jumping and moving.

Students will create a 4-to-5-minute animated short video including a digital soundtrack as well as a 3D printed project of their own design! Students may also could 3D print final projects!

Electronics & Robotics 10 (Junior)

Ever wonder how circuits like a PlayStation controller or speaker work? Have you ever wanted to build and drive robots? Junior Electronics and Robotics is a level-based course that will provide students with the skills to recognize the function of basic electronic and robotic circuits through labs and hands on projects.

During projects, students will learn to use hand and power tools to prototype and create their projects. Students will learn how to construct printed circuit boards, how to solder, modify and build custom enclosures. Students in level 2 will also be introduced to Arduino programming.

Students will have the opportunity to design, build and drive robots during in-class competitions. The course is available to all students in grade 9 or 10 who are interested in electronics and robotics.

Metalwork 10 (Junior)

Junior metalwork is an introductory level course that is designed to provide students with safety, theory, associated hands-on skills, metal/tool identification and usage within metalwork.

Course objectives include measurement, layout, welding, fasteners, cutting and finishing. As students' skills and understanding of metalwork develop, they will have many options of projects to complete to demonstrate their knowledge.



Elective Courses ▪ Grade 10

Technology Education cont.

Small Engines & Power Technology 10



This hands-on course covers the basics of power generation and transfer from combustion engines (2 stroke and 4 stroke), electric motors (power curves, torque, and horsepower) and other green and renewable energies (solar, wind, tidal and geothermal).

Students will learn to use basic hand and power tools to complete tasks within the course. Engine building, Aviation and Rockets are all possible major projects visited in this course.

***Recommended for students interested in taking the Automotive Co-Op in Grade 11 or 12**

Technology & Engineering 10 (Junior)

Learning activities may include drafting and design, robotics, electronics, computer-aided design (CAD), manufacturing, woodworking, metalworking, and other technology-based applications. Students work both independently and collaboratively to create prototypes, evaluate solutions, and apply safe work practices while considering social, ethical, and environmental impacts of technology.

This course is designed for students interested in exploring engineering, technology, trades, design, robotics, and related career pathways.

Woodwork 10 (Junior)



Students will read and interpret plans, calculate costs, follow written instructions, and fabricate projects using wood and wood composite materials and become familiar with the safe use of tools and machines.

Teacher-directed projects have been designed to encourage the learning development of students, but many aspects of design are left up to the students.