

BRITANNIA SECONDARY



BRITANNIA COURSE CALENDAR

2026 - 2027

Master Calendar

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GENERAL INFORMATION

The course descriptions in this booklet provide students with details to help them choose their courses. Counsellors will guide students through the course selection process. Parent or guardian approval will be asked for by means of a signature on the course-planning sheet during course selection January-March.

Because of the constraints resulting from facilities, staffing, graduation requirements and other student choices, students should anticipate some conflicts in course scheduling. Students will need to choose alternate courses carefully because we may not be able to timetable all eight of their first choices.

The courses finally offered in the master timetable are set by the number of students requesting the courses. If not enough students request a certain course, it will have to be dropped from the schedule. In addition, changes in staffing or other circumstances may result in modifications to course offerings.

GRADUATION REQUIREMENTS

PROGRAM REQUIREMENTS FOR STUDENTS IN GRADES 8 AND 9

PLEASE NOTE: All courses are designed with the understanding that you will take them in Grade sequence i.e. Math 8→Math 9→Math 10 etc. Exceptions can be made with permission of the teacher.

Students in Grades 8 and 9 must take 8 courses per year. Daily timetables will not normally contain unscheduled or study blocks. The following courses are required in grade 8 and 9:

English 8 & 9* Mathematics 8 & 9

Science 8 & 9

Social Studies 8 & 9

Physical and Health Education 8 & 9

Applied Design, Skills and Technologies 8 & 9 Arts Education 8 & 9

French 8**

Career Education 8 & 9***

- English as a Second Language students may be required to take English support (ELC) courses prior to or alongside the prescribed English course.

** Students needing assistance in reading, writing, vocabulary and mathematics skills may be enrolled in Skill Development (SDC) to support their learning in academic courses.

*** Career Education 8 & 9 are offered through pull out and as part of other course topics.

GRADUATION PROGRAM REQUIREMENTS - GRADE 10-12

Students require a minimum of **80 credits** to graduate.

Of these 80 credits:

- At least 16 credits must be at the Grade 12 level, including a required Language Arts 12 and Career Life Connections
- At least 28 credits must be elective course credits
- 52 credits are required from the following:
 - Career Life Education (4 credits), and Career-Life Connections (4 credits)
 - Physical and Health Education 10 (4 credits)
 - Science 10 (4 credits), and a Science 11 or 12 (4 credits)
 - Social Studies 10 (4 credits), and a Social Studies 11 or 12 (4 credits)
 - A Math 10 (4 credits), and a Math 11 or 12 (4 credits)
 - An English Language Arts 10, 11, and a required 12 (12 credits)
 - An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits)
 - Indigenous-focused (4 credits)

Graduation Assessments: Students must also complete the three Graduation Assessments:

Numeracy Assessment

- Students in grade 10 will complete the Numeracy 10 Assessment in January

Literacy Assessments

- Students in grade 10 will complete the Literacy 10 Assessment in November
- Students in Grade 12 will complete the Literacy 12 Assessment in January

Career Education: Students will be able to meet the career education graduation requirement by completing the following:

- Career Life Education
- Career Life Connections + Capstone

STUDENT SERVICES: MISCELLANEOUS COURSES

CAREER LIFE EDUCATION 10 (MCLE-10)

Career Life Education 10 is a required course for graduation. It supports students in the process of becoming successful, educated citizens by providing them with opportunities to explore a variety of careers and options for their future. Career Education helps students to discover a bridge between classroom learning and workplace and post-secondary realities, and is intended to make their learning meaningful and relevant.

Students will refine their understanding of the links between personal development and their career decisions. They consider regional and global trends to reflect on career possibilities, refine their understanding of safety requirements associated with occupational areas and related technologies, and further develop and refine their understanding of career possibilities through planning, practice, and application of competencies and knowledge.

Students may explore and experience various career options before they discover the most appropriate and meaningful direction for them. For some students, a successful transition will involve a direct path to further education, while for others it will involve a direct path to the world of work.

CAREER LIFE CONNECTIONS (MCLC-12)

Experiential learning is a process of engaging in and reflecting on direct experiences beyond traditional classroom settings. Through this CLC learning standard expectation, students can further refine their career-life goals and transferrable skills. Based on student needs and interests, career-life exploration can include service learning, volunteerism, employment, fieldwork, entrepreneurship, and projects focused on an area of deep interest.

PEER TUTORING 12

PEER T12 (YIPS-2B)

Peer Tutoring 12 is a practical hands-on course where grade 11 and 12 students develop knowledge and skills related to peer tutoring. Students receive instruction through a placement in a peer tutoring situation. Areas of focus of this course include: roles and responsibilities of a peer tutor, communication skills, and interpersonal skills, learning difficulties and learning styles, strategies, and skill development (goal setting and organizational skills, learning strategies and study skills, test-preparation and test-taking skills) and tutoring techniques for one-to-one and group learning.

LIBRARY SERVICES 11 (YBMO-1B)

This course is designed for students who show an interest in library organization and management, who love detail-oriented tasks, and who are independent thinkers. The Britannia Library Learning Commons is a space that welcomes and aims to meet the needs of the entire school community. Students enrolled in Library Services 11 should be prepared to learn several skills to serve those using the library space, including (but not limited to) scanning books in/out of the library system, processing and shelving new books, designing creative displays, and providing book recommendations. Students should also have a basic familiarity and comfort level with computers and technology, be willing to collaborate with peers and be excited to creatively update the library space.

SKILLS DEVELOPMENT 8-12 (XLDCD08, XLDCD09, YLE--0A, YLE--1A, YLE--2A)

The Skill Development Program (SDC) is designed to assist students with their learning in a variety of ways. Students enroll for one block. Grade eight and nine students work on the development of academic strategies that will enhance their reading, writing, research, science and math skills. They are taught to develop and maintain organizational skills, including agenda usage, binder and locker organization. Each class begins with a check-in and identification of specific concepts/topics in academic subjects that the student will work on in the class. Students will have time available to work directly on their English, Math, Social Studies and Science course work, assignments, review and test preparation. Detailed reports are prepared each term and a mark is given to reflect the skills learned and applied across subject areas. The program is flexible to allow students to focus more on specific areas of need. Senior students, those in grade 10 and higher, may also enroll. Their program has the same criteria with more direct focus on specific academic courses, with teacher support, and the use of effective study skills. Senior students may also gain course credits for successful completion of the course.

Students are recommended for Skills Development by the resource teacher, subject teachers, counsellors or can refer themselves subject to space availability.

BUSINESS EDUCATION

Get a head start on a successful professional career and take business courses! Britannia's Business Education department will not only prepare you for college/university business programs, but it will also help you utilize technology to support your transition to your post-secondary endeavors. You will develop valuable employment skills which can be used immediately and in the future.

By taking Business Education courses, you may have the opportunity to:

- Work in Vancouver's best school store, The Cave.
- Use various computer programs and technologies to learn about business and create products.
- Receive a Business Education Certificate of Achievement for excellence in your business studies!
- Network with business professionals from the community.
- Qualify for Business Education scholarships at graduation.

ENTREPRENEURSHIP AND MARKETING 9 (MADEM09)

This is an introductory Business course that will expose students to the areas of marketing, entrepreneurship, finance, accounting, e-commerce, and more. Activities will be practical and hands-on! Students will get to create and take home products by using various machines such as: button press, vinyl cutter, t-shirt press, mug press, 3D printer, and sublimation printer.

ENTREPRENEURSHIP AND MARKETING 10 (MADEM10)

**This course fulfills the ADST/Arts Education graduation requirement.*

This course is intended for students who would like to further develop their business skills and abilities in prototyping. Students will have the opportunity to create a variety of products by using current technologies in the school such as creating digital graphics and transferring them to products (ex. water bottles, clothing, notebooks, tote bags, and colour changing mugs). This course will prepare students for more advanced business courses and will help students get ready for the business world.

ACCOUNTING 11 (MAC-11)

**This course fulfills the ADST/Arts Education graduation requirement.*

This business course will provide you with information and practical bookkeeping experience that will help you understand and work within a business environment. Accounting knowledge is vital information to have when working in any area of business. You will:

- Be introduced to fundamental accounting concepts.
- Learn the accounting cycle and how it is used in business.
- Learn about the CPA designation.
- Listen to professional guest speakers.

MARKETING & PROMOTION 11 (MMAP-11)

This course is intended for students entering Grades 11 to 12.

**This course fulfills the ADST/Arts Education graduation requirement.*

This valuable business course will introduce you to retailing and show you what it takes to run a successful business. In this course, you will:

- Be given the opportunity to work in Vancouver's best school store, The Cave.
- Learn how to sell products and connect with customers.
- Develop advertising campaigns to promote school products or activities.
- Potentially compete in online business simulations.

E-COMMERCE 12 / MARKETING 12 (MECOM12)

Prerequisite: Marketing 11

**This course fulfills the ADST/Arts Education graduation requirement.*

This exciting business course introduces you to marketing concepts like research, promotion (AIDA), pricing, segmentation, virtual stores, etc. In this course, you will:

- Be given the opportunity to work in Vancouver's best school store, The Cave.
- Review commercial websites, Amazon, E-Bay, Facebook, Instagram, etc.
- Contribute to menu design, staffing, equipment purchases, restaurant layout, purchasing, marketing, inventory control, and more.

ECONOMICS 12 (MEC--12)

**This course fulfills the ADST/Arts Education graduation requirement.*

The topics of this academic business course contribute to an understanding of economics as it impacts individuals, businesses, and governments. In addition to the acquisition of economic concepts and vocabulary, the development of communication skills, research skills, problem solving skills, and decision-making skills will be emphasized. This course will benefit anyone planning to take further courses in business or economics at the post-secondary level.

ENTREPRENEURSHIP 11/12 - (MENT-12)

**This course fulfills the ADST/Arts Education graduation requirement.*

This course is for students interested in business, entrepreneurship, and innovation, or those just interested in learning more about how the world works and how to put their ideas into action. You will learn how to develop and evaluate a business, build a personal network, hone your creative and critical thinking, apply teamwork skills, and put your presentation skills to the test. There is also an opportunity to compete with students from across the province in a venture business competition. Even if you do not plan on studying business, learning how to think creatively and innovatively are skills that will allow you to succeed in any situation. Entrepreneurial Thinking is becoming a skill set more and more universities and employers are looking for.

BUSINESS ADMINISTRATIVE ASSISTANT 12 (YBMO-2C)

Prerequisites: Marketing 11 and E-Commerce or Entrepreneurship 12

Students in this course will assist the instructor in the day-to-day operations of The Cave, Britannia's school store. Activities include training employees, maintaining stock, visual display, record keeping, making the daily deposit, and ensuring that the store is "business-ready" for store opening. Students must have experience managing in the school store, and they must be responsible, mature, and be able to take tasks from start to finish with little supervision.

ENGLISH

ENGLISH 8 (MEN--08)

In English 8, we will dive into the world of reading, listening, and viewing to comprehend and connect. We will also focus on creating and communicating through thoughtful writing, speaking, and representing. Our journey will include:

- Diverse Reading: Explore a wide range of texts - novels, articles, poems, graphic texts, memoirs, plays, and more.
- Perspective Exploration: Discover different viewpoints and broaden your understanding of the world.
- Creative Expression: Practice various types of writing and representing to express your ideas and stories.

ENGLISH 9 (MEN--09)

In English 9, we will continue to develop and refine our communication skills to read, write, speak, and listen more effectively. Our journey will include:

- Diverse Reading: Explore a wide range of texts - novels, articles, poems, graphic texts, memoirs, plays, and more.
- Critical Thinking: Question and respond to what we hear, read, and view to gain a deeper understanding of ourselves and the world.
- Engaged Citizenship: Make connections with others and become more engaged and educated citizens through thoughtful communication.

ENGLISH 10: CREATIVE WRITING & ENGLISH FIRST PEOPLES: LITERARY STUDIES (MCTWR10 & MEFLS10)

In English 10, we will read and analyze a wide variety of texts, responding orally, visually, and in writing. Our journey will include:

- Diverse Reading: Explore a wide range of texts - novels, articles, poems, graphic texts, memoirs, plays, and more.
- Writing Craft: Develop your writing skills within a supportive community, practicing for various situations and audiences.
- Identity and Understanding: Deepen your understanding of your own identity, others, and the world through the exploration of text and story.
- First Peoples Perspectives: Consider how First Peoples texts and stories provide insight into Canada's past, present, and future, and how self-representation through authentic First Peoples texts fosters justice.

ENGLISH 11 – Grade 11 students must choose at least one of the two English 11 options. Students can take both courses if they choose.

NEW MEDIA 11 (MNMD-11)

All senior English courses will require students to read and analyze a wide variety of texts and genres, to engage with texts on both a literal and inferential level, and to respond to texts in a variety of ways, including orally, visually, and in writing.

Like movies more than novels? New Media 11 is designed for students ready to dive into the world of new media and learn how to read visual information and create awesome content. Study film, TV, and other media like video games and social media. Explore how technology shapes our communication through:

- Media and Film Studies: Discover how TV shows and movies influence us and learn the art of screen writing.
- Journalism and Publishing: Explore the world of news bias and the power of satire to undermine advertising.
- Digital Communication: Get hands-on with gaming and podcasting about how identity is represented in game design and story.

LITERARY STUDIES 11 (MLTST11)

What makes a story powerful, and why do some words stay with you long after you've read them? Literary Studies 11 is a course where stories come alive, and *you* get to explore the power of language, ideas, and imagination! In this class, you'll read, write, and create in ways that help you better understand yourself and the world around you. You'll dive into a diverse selection of texts, not just traditional novels, but poetry, short stories, graphic novels, plays, films, and digital media. You will explore voices around the world and across time. In this course, you will

- Explore a diverse group of texts
- Explore big ideas like identity, culture, and perspective
- Build confidence in writing, speaking, and creative expression
- Create projects that showcase your voice and ideas

This course is all about thinking deeply and expressing yourself and your ideas creatively. Literary Studies 11 will not only strengthen your reading and writing skills but help you become a more thoughtful communicator and creative thinker, which are skills that are valuable beyond the classroom.

ENGLISH 12 – Grade 12 students must take English Studies 12 and can choose one of the two remaining English 12 options as an elective.

ENGLISH STUDIES 12 (MEN--12)

All senior English courses will require students to read and analyze a wide variety of texts and genres, to engage with texts on both a literal and inferential level, and to respond to texts in a variety of ways, including orally, visually, and in writing.

This required course provides opportunities to refine your ability to communicate effectively in various contexts. Our journey will include:

- Critical and Creative Thinking: Think critically and creatively about the uses of language.
- Diverse Text Exploration: Explore texts from a variety of sources and perspectives.
- Self and World Understanding: Deepen your understanding of yourself and others in a changing world.
- Identity and Citizenship: Gain insight into the diverse factors that shape identity and expand your understanding of what it means to be educated Canadian and global citizens.
- Reconciliation and First Peoples Perspectives: Contribute to Reconciliation by building a greater understanding of the knowledge and perspectives of First Peoples.

CREATIVE WRITING 12 (MCTWR12)

In Writing 12, you will have extensive and varied opportunities to generate ideas, draft, edit, and polish your writing. Our journey will include:

- Creative Writing: Write in a variety of forms, including memoirs, poetry, short plays, film scripts, essays, short stories, and journalistic pieces.
- Workshopping: Workshop your writing with peers and experienced mentors to refine your craft.
- Publication: Seek opportunities for publication and share your work with a wider audience.
- Writing Techniques: Improve your basic essay writing skills through lessons on writing techniques.

NEW MEDIA 12 (MNMD-12)

All senior English courses will require students to read and analyze a wide variety of texts and genres, to engage with texts on both a literal and inferential level, and to respond to texts in a variety of ways, including orally, visually, and in writing

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- Media and Film Studies: Discover how TV shows and movies influence us and learn the art of screen writing.
- Journalism and Publishing: Explore the world of news bias and the power of satire to undermine advertising.
- Digital Communication: Get hands-on with gaming and podcasting about how identity is represented in game design and story.

VENTURE

The Venture Program is an academically challenging program that provides an enriched educational experience for motivated students in grades 8, 9 and 10. Students selected for Venture are grouped in cohorts for their core academic subjects in grades 8, 9 and 10.

The Venture Program philosophy is based on four key tenets as the building blocks to an enriched secondary school education:

Universal Values – an education that includes core values of respect and acceptance for all persons.
Global Understanding – an education that teaches how national, linguistic, and cultural diversity enriches the world community.

Personal Excellence – an academic education which emphasizes the pursuit of high goals and encourages each child to achieve their personal best in all facets of school life, with the IB Learner Profile as our guide.

Community Service – an education which inspires students to contribute actively to their physical and/or social environment, thereby fostering personal and social responsibility in the global community.

Venture 8-10 offers students thematic curriculum across subject areas, hands-on learning in and out of the classroom, and community involvement with leadership and personal growth workshops.

The Venture Program is excellent preparation for students intending to apply for the International Baccalaureate Program in grade 11 and 12.

GRADE 8

English 8 Venture	Mathematics 8 Venture
Science 8 Venture	Physical Education 8
French 8 Venture or Introduction to Mandarin	Electives Rotation
Social Studies 8 Venture	

GRADE 9

English 9 Venture	French 9 Venture or Mandarin 9 Venture
Social Studies 9 Venture	Physical Education 9
Science 9 Venture	Two Electives
Mathematics 9 Venture	

GRADE 10

English 10 Venture	French 10 Venture or Mandarin 10 Venture
Social Studies 10 Venture	Career Life Education 10
Science 10 Venture	Two Electives
Mathematics 10 Venture	

VENTURE ENGLISH 8 (MEN--08DC2)

Integrated with the expectations of the regular grade eight program and designed to prepare the young student for the International Baccalaureate program, Venture 8 English examines facets of English Language and Literature with more scope and depth. The student is challenged to strengthen and develop expressive capabilities and to enhance comprehension and critical skills, through individual and group assignments. Social and interpersonal skills will be developed through a variety of strategies focusing on research, critical thinking, and presentations.

VENTURE ENGLISH 9 (MEN--09DC2)

This course emphasizes the study and appreciation of the various forms of literature, including short stories, novels, plays, essays and poetry as social criticism. When appropriate, units are coordinated thematically with other Venture 9 courses. The development and presentation of ideas in written and oral form, creative and critical thinking skills, and the acquisition of research skills necessary for academic success are stressed. Student evaluation is based on achievement in written and oral expression of original argument based on research, organization, reflection and discussion.

VENTURE ENGLISH 10: LITERARY STUDIES & COMPOSITION (MLTST10DC2 & MCMPS10DC2)

Prerequisite: Venture English 9 or English 9 (teacher recommendation).

This preparatory course for the International Baccalaureate program is strongly recommended for those intending to apply for IB. Students not intending to enter the IB program, but who wish enrichment, may also enroll, where class size permits. Student evaluation will be based on essays, presentations and other projects. This course emphasizes world literature, and selections will be read in translation from several cultural backgrounds and periods of history.

VENTURE SOCIAL STUDIES 8 (MSS--08DC2)

This course offers students an opportunity to explore world history during the time period of the 7th century to 1750. Students will use historical and geographical thinking concepts such as cause and consequence, and patterns and trends to frame their study of the innovations, political systems, cultural shifts, migrations, exchanges, and explorations (to name a few) of many cultures. Topics of study may include the Barbarian invasion and the Dark Ages, European Feudalism and the Crusades and the Black Plague, the Islamic and Ottoman Empire expansion, Golden Age of China-Tang Dynasty, Feudal Japan-Edo Period, and Renaissance and Reformation. Students will develop social studies competencies, and critical and political thinking competencies by doing independent studies of current events.

VENTURE SOCIAL STUDIES 9 (MSS--09DC2)

This course offers an in-depth study of significant events, developments, places, and people in the

years 1750 to the lead up to WWI in the early 20th century in Canada and around the world. Students will investigate a wide variety of topics that may include discriminatory policies and historical wrongs in Canada, such as the Head Tax and the Komagata Maru incident; revolutions and conflicts (for example: the American Revolution, industrialization, the Chilcotin War, the Armenian genocide); and case studies of nationalism, such as Japan. Topics about Canada that stretch beyond this time period may include Canada's physiographic features and the consequences of colonialism on indigenous people. Students will apply relevant historical and geographical thinking competencies to deepen their understanding of Canada's past and to expand their knowledge of global developments and events.

VENTURE SOCIAL STUDIES 10 (MSS--10DC2)

An important goal of the International Baccalaureate program is the development of reflective, knowledgeable, and involved world citizens. Venture Social Studies 10 is designed to provide a learning environment that will promote this objective. In this course, students will be given the opportunities to develop the dispositions, habits and skills that enhance both creative and critical thinking in the context of examining issues and problems in the Social Studies field.

This course examines significant global and Canadian events, developments, people, and places beginning with WWI through the lenses of historical and geographical thinking competencies.

Students will investigate topics of interest up to present day that may include the Japanese internments, the Quiet Revolution, Canada and WWI and Canada WWII, and Iroquois governance. Each topic will have an open-ended question to frame the students' investigation. An overarching question for the entire course is - What does it mean to be Canadian? Students could embark on a walking tour of Chinatown and collaborate with local community Truth and Reconciliation action events.

VENTURE SCIENCE 8 (MSC--08DC2)

In addition to covering material from the Provincial Science 8 curriculum, this course will give students an opportunity for enrichment, individual experiments and to research various topics. Students will develop a variety of laboratory skills, with due regard for personal safety and the environment. All students are required to participate in the Britannia Science Fair and in the Britannia Environment Club. Topics will reinforce the Venture Mathematics 8 course wherever possible. Students will develop critical thinking skills and work habits.

VENTURE SCIENCE 9 (MSC--09DC2)

This course stresses the application and enrichment of science concepts in Biology, Chemistry, Physics and Astronomy. Students will follow the Provincial Science 9 curriculum and investigate selected enrichment topics. Students will be given the opportunity to use community resources to produce individual and group projects. Science investigations and critical thinking are emphasized. All students are required to participate in the Britannia Science Fair and in the Britannia Environment Club.

VENTURE SCIENCE 10 (MSC--10DC2)

This course is the preparatory course for the International Baccalaureate program and is strongly recommended for those intending to apply for IB. Students not intending to enter the IB program, but who wish enrichment, may also enroll with teacher permission. The course will follow the Provincial Science 10 Curriculum and introduce some enrichment topics from grade 11 IB science. Students will be introduced to IB style marking for laboratory reports. Project work will enable

students to develop skills in experimental design. All students are required to participate in the Britannia Science Fair and in the Britannia Environment Club.

VENTURE MATHEMATICS 8 (MMA--08DC2)

Dive into math with this exciting course! We'll cover all the topics from regular Math 8 and go even deeper with cool challenges in algebra and geometry. You'll sharpen your problem-solving skills, learn to think critically, and explore the latest tech tools for math. Plus, you'll get to compete in the University of Waterloo's Gauss Contest!

Big Ideas:

- Numbers
- Computational Fluency
- Discrete Linear Relationships
- 3D Objects
- Data

VENTURE MATHEMATICS 9 (MMA--09DC2)

Get ready to build on what you learned in Venture Math 8! This course focuses on algebra, where you'll simplify expressions, solve equations, work with inequalities, and learn to graph linear equations. We'll even explore some Math 10 topics to keep things interesting. Plus, you'll get to compete in the University of Waterloo's Pascal Contest!

VENTURE FOUNDATIONS OF PRE-CALCULUS MATHEMATICS 10 (MFMP-10DC2)

Prerequisite: Venture Mathematics 9 or Mathematics 9 with teacher recommendation.

This course is the preparatory course for the International Baccalaureate Program and is strongly recommended for those intending to apply for IB. As such, students will complete all topics from Mathematics 10 but to a greater depth. As time permits, extra study in pre-IB topics will be included. Students not intending to enter the IB program but who wish enrichment may also apply to enter Venture Mathematics 10. All students in this course will write the Canadian Mathematics Cayley Competition.

VENTURE FRENCH 8 (MFR--08DC2)

This course is intended for students who have already had some French at the elementary level and who also feel the need for a challenge with the Venture Program.

French 8 Enriched stresses oral communication as well as written and comprehension activities. This course encourages open mindedness about French culture and language. Students will talk to one another in French, listen to spoken French language and songs, watch short French videos, and read and write short texts in French.

VENTURE FRENCH 9 (MFR--09DC2)

Prerequisite: Venture French 8 or teacher recommendation.

Those students who are considering entering the IB program in grade 11 are encouraged to enroll in this course. French 9 Enriched offers students a greater challenge than the regular course, in particular if the student has had some French in elementary school. The students learn to speak, write, and understand French by using the language in the classroom in authentic situations. The course encourages students to take risks and have fun.

VENTURE FRENCH 10 (MFR--10DC2)

Prerequisite: Venture French 9 or teacher recommendation.

This course is the preparatory course for the International Baccalaureate program and is strongly recommended for those intending to apply to the program. Students not intending to enroll in the IB program but who wish enrichment are also encouraged to take this course.

French 10 Enriched is designed to challenge students. It therefore offers a more extensive and varied course, which includes an expanded vocabulary and increased listening/speaking participation and written communication.

VENTURE MANDARIN 9 (MMAN-09DC2)

This is a course designed for students who has taken Introduction to Mandarin or had some exposure to spoken and written Mandarin prior. This course emphasizes on all four language skills: listening, speaking, reading and writing. It is expected that students who enroll in this course will be able to express ideas using a variety of sentence structures on topics such as identities (extended families and relationships), hobbies, seasons and weather, and school subject and facilities. Students will be completing written assessments, projects, oral presentations, and/or field trips in this class. In addition to the language, students will also explore the complexity and richness of Chinese history and culture. Students will be involved in events for Chinese festivals, such as moon cake tasting for Mid-autumn Festival, celebration for Chinese New Year, etc.

VENTURE MANDARIN 10 (MMAN-10DC2)

This course is ideal for students who are preparing to enter IB Mandarin 11 or desire enrichment in Mandarin language. A communicative style of language teaching is adopted that is intended to expose enrolling students to the Mandarin language used in authentic situations. Some of the themes covered in the Venture Mandarin 10 curriculum include: food and holidays, personalities and relationships, school and community, and traveling. Students will also be involved in events for Chinese festivals, such as moon cake tasting for Mid-autumn Festival, celebration for Chinese New Year, etc.

INTERNATIONAL BACCALAUREATE

The International Baccalaureate program is an internationally recognized academic program designed for students who intend to continue their education at college or university. The Diploma program emphasizes critical writing skills and creative thinking. Some course content is at first-year university level. Candidates will write IB examinations in late April and beginning of May of their grade 12 year. IB courses are considered equivalent to the corresponding Ministry course. IB exam results are valid for scholarship consideration and for university admission. International Baccalaureate courses can be taken in preparation for the IB Diploma or as enrichment courses for which IB Certificates are awarded. IB courses are offered over two years.

Students wishing to take IB courses must apply through the IB Coordinator.

IB ENGLISH A: LITERATURE A 11

Standard Level (IELM-11) Higher Level (IELS-11)

The IB English program introduces students to a sophisticated approach to literary interpretation through written and oral assignments. IB English A: Literature is a two-year course studying a range of works written in and translated into English.

In grade 11, the focus is on culture and context and how they are embedded within literature. Students study works across a variety of genres, geographical regions and time periods seeking to understand how each work is deeply influenced by its time, place, language, and social structure. Students will complete a Learner Portfolio, along with in class essays and oral presentations. Formative assessment for the IB will include a 1,500 Written Assignment developed from one of the in-class essays, and an Individual Oral Presentation.

IB ENGLISH A: LITERATURE 12 Standard Level (IELM-12) Higher Level (IELS-12)

Prerequisite: IB English A: Literature 11

Students study works across a variety of genres, geographical regions and time periods seeking to understand how each work is deeply influenced by its time, place, language, and social structure. In grade 12, students continue to develop their appreciation of literature through a detailed study of poetry, drama, fiction, and non-fiction, in preparation for the IB Internal Assessments and written exams. The focus of this year will be to interpret and comment on a variety of works, with an emphasis on voice, style, diction, structure, and literary analysis.

Students will continue their Learner Portfolio, along with completing oral presentations, commentaries and essays.

THEORY OF KNOWLEDGE 11 (ITK--11) & 12 (ITK--12)

The purpose of Theory of Knowledge is to stimulate critical reflection on the origins, methods, validity and value of beliefs and knowledge gained within and outside the classroom. It provides a unifying mechanism for the overall course of studies in IB and encourages students to reflect upon the various systems of knowledge that are part of the IB learning experience. It is a two- year course that is a requirement for all Diploma candidates. Evaluation will be based on oral participation and written assignments. While priority will be given to Diploma students, other students may take Theory of Knowledge 11 for credit as a ministry-recognized course subject to

teacher approval and space.

IB HISTORY 11 Higher Level (IHIH-11) Standard Level (IHIS-11)

Prerequisite: Social Studies 10 Pre-IB or approval of the department. Students who would like to take this course, instead of Social Studies 11 may do so with permission of the teacher. This is the first year of a two-year sequence designed to prepare students for the Higher Level exam in History.

Using historical concepts such as perspective and change and continuity as lenses, students will contextualize and analyze primary and secondary sources for two case studies in expansionism and nationalism in the 1930s: Japan; Germany and Italy. Students will continue to develop their historical thinking competencies while investigating the emergence of authoritarian states in the 20th century, and the causes and effects of 20th century wars. Examples of case studies include leaders such as Hitler and Mao; and wars such as WWI, WWII, the Spanish Civil War, and the Chinese Civil War.

IB HISTORY 12 Higher Level (IHIH-2A) Standard Level (IHIS-12)

This is the second year of the IB History program (Higher Level).

Using historical concepts such as significance and cause and consequence as lenses, students will investigate European conflict and diplomacy from 1871 to 1945. Students will study international relations between many countries including policies, peace settlements and strategies, power struggles, and war, in addition to domestic developments and issues.

IB MATHEMATICS ANALYSIS AND APPROACHES 11 STANDARD LEVEL (IAAS-11)

This is the first year of the two-year IB Math program. You'll cover exciting topics like trigonometry, functions, and an introduction to calculus. This course is all about applying math to real-world situations and preparing for higher-level studies.

You will learn to use a graphics calculator, and you will get to participate in the University of Waterloo's Fermat Contest.

IB MATHEMATICS ANALYSIS AND APPROACHES 11 HIGHER LEVEL (IAAH-11)

If you're a math enthusiast who loves solving tough problems, this course is for you! It's the first year of the IB Higher Level Math program and dives deeper into trigonometry, functions, and calculus than the Standard Level. Strong algebra skills and a passion for problem-solving will help you succeed. Like the Standard Level, you will learn to use a graphics calculator, and you will get to participate in the University of Waterloo's Fermat Contest.

IB MATHEMATICS ANALYSIS AND APPROACHES 12 STANDARD LEVEL (IAAS-12)

Prerequisite: IB Mathematics Analysis and Approaches SL 11

This course builds on what you learned in IB Math 11 and prepares you for the IB exams. You'll study statistics, probability, and review key topics from the first year. Plus, you'll complete a math investigation project on a topic of your choice. There's even an option to compete in the University of Waterloo's Euclid Contest.

IB MATHEMATICS ANALYSIS AND APPROACHES 12 HIGHER LEVEL (IAAH-12)

Prerequisite: IB Mathematics Analysis and Approaches HL 11

Take your math skills to the next level with this continuation of IB Higher Level Math. You'll study advanced topics like complex numbers, vectors, and more challenging calculus concepts. You'll also review everything you need for the IB exam. There's even an option to compete in the University of Waterloo's Euclid Contest.

IB BIOLOGY 11 Standard Level (IBIS-11) Higher Level (IBIH-11)

Biology 11 IB is the first year of the two-year IB Biology course. Topics to be investigated include Cell Structure, Classification, Cell Division and Genetics, Chemistry of Life, Nucleic Acids and Proteins, Ecology and Evolution. In addition to quizzes, tests and lab reports, students will be evaluated on in-class debates, discussions, presentations, and project work. All students must participate in the "Collaborative Sciences Project" as required by IB.

IB BIOLOGY 12 Standard Level (IBIS-12) Higher Level (IBIH-2A)

Prerequisite: Biology 11 IB

This is the second year of the two-year IB Biology course. Topics to be investigated include Membranes, Plants, Enzymes and Metabolism, Transport, Gas Exchange, Homeostasis and Reproduction, Chemical and Neural Signalling, Immunology, Muscles and Motility, Cell Respiration and Photosynthesis. Students will need to complete an Individual Investigation as required for IB Internal Assessment.

IB CHEMISTRY 11 Standard Level (IGCH-11) Higher Level (ICHH-11)

The Higher Level IB Chemistry course is designed for the student who will eventually pursue more advanced Chemistry at the university level. Laboratory work will form an integral part of the course. The Provincial curriculum for Chemistry 11 will be expanded to include studies in chemical bonding, the gas laws, and shapes of molecules, chemical thermodynamics, atomic structure, electron configurations, organic chemistry, and environmental chemistry. All students must participate in the "Collaborative Sciences Project" as required by IB.

IB CHEMISTRY 12 Standard Level (IGCH-12) Higher Level (ICHH-2A)

Prerequisite: Chemistry 11 IB

This is the second year of a two-year program. The provincial curriculum will be completed and expanded to include Carbon Chemistry, Transition Elements, Fuels and Energy with an emphasis on advanced laboratory work. Students will need to complete an Individual Investigation as required for IB Internal Assessment.

IB PHYSICS 11 Standard Level (IPHS-11)

This is the first year of a two-year program. The course covers the entire Provincial Physics 11 curriculum. This course will emphasize fundamental Physics principles in four general areas:

- Mechanics

- Wave Motion and Light
- Electricity
- Models and Properties of Atoms.

The laboratory component of the course will require students to demonstrate critical thinking skills through clear communication of objectives and results. Strong problem-solving skills are an asset to those students who enroll. In addition, all students must participate in the "Collaborative Sciences Project" as required by IB.

IB PHYSICS 12 Standard Level (IPHS-12)

Prerequisite: Physics 11 IB

This is the second year of a two-year program. The course covers the entire provincial Physics 12 curriculum. Topics include:

- Vector Kinematics
- Vector Dynamics
- Energy, Work and Power
- Vector Momentum
- Circular Motion
- Electricity (static and current)
- Electromagnetism.

Additional IB topics include atomic properties and thermodynamics. Topics are generally covered in greater depth than in Physics 11 IB. The emphasis on experimental work continues from Physics 11 IB. Students will need to complete an Individual Investigation as required for IB Internal Assessment.

IB FRENCH 11 Standard Level (IFRS-11)

Prerequisite: French 10 Pre-IB or teacher recommendation

French 11 IB is the first year of the two-year program in Language B, which is required of all students aspiring to earn the IB diploma or certificate. The primary language of instruction is French and the students are expected to work on the development of comprehension, oral competency, and use of the language in a variety of situations. This course is arranged around five themes which will be covered over the two-year period: identities, experiences, human ingenuity, social organization, and sharing the planet.

IB FRENCH 12 Standard Level (IFRS-2A)

Prerequisite: IB French 11

French 12 IB is the second year of the two-year program in Language B, which is required by all students aspiring to earn the IB diploma or certificate.

Students will continue to develop skills so that they may undertake various types of activities:

- read articles, short stories, recipes
- present scenarios, debates, role plays
- listen to radio, music
- watch and comment on video clips

This course is arranged around the remainder of 5 themes explored in IB French 11 (identities, experiences, human ingenuity, social organization, and sharing the planet); they will all be covered

by the end of the two-year program. Students are expected to communicate in French, as an oral internal assessment is conducted by the classroom teacher during the year worth 25% of the overall mark. The remaining 75% of the mark is assessed externally through the IB examination in May, and includes a combination of assessments in writing, listening and reading skills.

IB MANDARIN 11 Higher Level (IMNH-11)

Mandarin 11 IB HL is the first of a two-year program. The course is designed for students who welcome an enriched curriculum and appreciate literary work. The lessons will introduce skills to examine literary work and further focus on the four language skills. Students explore a variety of themes that enable them to effectively discuss literature, and participate in authentic communicative experiences. Topics may encompass: identities, experiences, human ingenuity, social organization, and sharing the planet.

IB MANDARIN 11 Standard Level (IMNS-11)

Mandarin 11 IB is the first of a two-year program. The course is designed for students who welcome an enriched curriculum. The lessons further develop the four skills of listening, speaking, reading and writing. Students explore a variety of themes that enable them to effectively communicate through letter and journal writing. Topics may encompass: identities, experiences, human ingenuity, social organization, and sharing the planet.

IB MANDARIN 12 Higher Level (IMNH-2A)

Prerequisite: IB Mandarin 11 HL

Mandarin 12 IB HL is the final levels of this two-year program. It involves a more detailed study on skills and topics introduced in Mandarin 11 IB HL. Students have the opportunity to analyze literary work in depth, participate in group discussions and read and write articles to enhance their language skills. Topics may encompass: identities, experiences, human ingenuity, social organization, and sharing the planet. Students are required to finish reading two literature works in Chinese over G11 and G12. Oral assessment will be based on analyzing these literature works.

Students sit for an external written exam in May, while oral proficiency is assessed formally during the school year.

IB MANDARIN 12 Standard Level (IMNS-12)

Prerequisite: IB Mandarin 11 SL

Mandarin 12 IB is the final level of this two-year program. It involves a more detailed study of the Mandarin language through a variety of course materials focusing on the skills of listening, speaking, reading, and writing. Students have many opportunities to work on group discussions and individual presentations that include themes such as identities, experiences, human ingenuity, social organization, and sharing the planet.

Students sit for an external written exam in May, while oral proficiency is assessed formally during the school year.

IB MUSIC 11 AND 12

Standard Level (IMCS-11) Higher Level (IMCH-11) Standard Level (IMCS-12) Higher

Level (IMCH-2A)

IB Music 11/12 is a two-year course designed for students who are excited to engage in an eclectic range of music from a variety of genres from around the world through creativity, performance, research, and analysis. Students will develop critical listening skills and think about musical elements including form and structure, notation, musical terminology, and context to help them gain a deeper understanding. Through the course of study, students become aware of how musicians work and communicate.

Grade 11

The first-year course is based on exploring, experimenting, creating, and performing music from a variety of contexts (personal, local, and global) and with different intentions. Throughout the first year, students will regularly reflect on their process in a Music Journal which will inform and support the portfolio requirements in their second year. Classes will involve short, guided assignments and mini-projects, presentations, class discussion, sharing, and analysis of familiar and unfamiliar music through which students will experience working in three different roles: researcher, creator, and performer.

Grade 12

In the second year, students focus on their own independent studies to complete 3 portfolio components in SL or 4 components in HL. Two of the portfolio components: Exploring Music in Context (due in November) and Presenting Music (due in April) will be examined externally by IB, while the Experimenting with Music and The Contemporary Music Maker (HL only) components are assessed internally by the music teacher. It is expected that students will have spent the summer planning how they will execute each of the components so that they are prepared to discuss, reflect, and adapt their work for their portfolio submissions as classes begin in September.

IB VISUAL ARTS

Standard Level (IARS-11)

Higher Level (IARH-11)

Standard Level (IARS-12)

Higher Level (IARH-2A)

This two-year Visual Arts course is designed for students who desire to engage in both independent critical investigation and practical exploration leading to artistic production. Throughout the course, students will integrate theory with practice.

This course provides the opportunity for students to experiment with and challenge themselves in various media as well as to focus on art forms, skills, and concepts of interest to each individual student. Students will continuously research international art styles, movements, and artists, as well as synthesize their own cultures with their investigations and studio pieces. The exploration and critical analysis of visual qualities, ideas, themes, and issues, both in written and visual forms, will be presented in their Process Journals (PJs). Students will integrate and communicate their findings, understandings, and ideas into their studio works.

Grade 11

The first year course is based on in-depth art media examination and studying art-related concepts,

art history, and art criticism in depth. The year will begin with several guided projects leading up to more independent projects where students will be given the chance to explore and examine the roles of various art media to reflect themes of personal and cultural significance. The course is project-based and in Grade 11, comparative study work, process portfolios and studio work will be assessed internally according to the criteria designed by IB. The minimum requirement is 11 studio projects in the first year and over the summers, and 4 in the second accompanied by supporting comparative study and process portfolio work.

Grade 12

In the second year, students focus on their own independent study. Ultimately, the Comparative Study and the Process Portfolio are examined externally by IB and the Exhibition is examined internally by the teacher. The final exhibition is a celebration of the students' accomplishments and takes place in early April each year.

ENGLISH LANGUAGE LEARNING (ELL)

Britannia Secondary School currently offers two levels of core English language courses (Beginner and Advanced) to students who are new English Language Learners.

ENGLISH 1 AND ELC1 & ENGLISH 2 AND ELC2

Core English classes provide instruction and practice in the skill areas of listening, speaking, reading and writing. Language structures are related to a range of basic language functions and thinking skills, using a variety of teaching strategies.

In addition to English classes, ELL students also take ELL Social Studies, where they develop knowledge of subject-specific facts, processes, and language that facilitate transition to regular classes. Students are enrolled in grade-appropriate Physical Education, Science and Math classes.

The progress of ELL students in all language areas is continually evaluated (class work, teacher-made tests, standardized measures). Movement to regular English classes is made when ELL students have achieved an advanced level of language skills.

FINE ARTS

ART

ART 8 (MAE--08)

This class helps students learn how to express their ideas and feelings through art. You'll work on imaginative projects that allow you to use your own experiences to create eye-catching work you can be proud of. You'll also learn about important art skills like how to use line, shape, color, and space, using a variety of different tools like paint, ink, pastel, and clay to create beautiful paintings, drawings, and sculptures. This is an introductory art course designed to give you a taste of what art classes at Britannia are like.

2D ART 9 (MAE--09)

In 2D Art 9, students will keep exploring their creativity, both on their own and with others. You'll be encouraged to try new things and take chances with your art so you can develop new skills. This course will help you learn different 2D art techniques like collaging, drawing, painting, and printmaking, and you will work with various materials such as watercolour paint, acrylic paint, ink, and different papers. You'll also study the basics of design, such as how to use shapes, colors, and patterns in your work. In this class, you'll have the chance to look at, create, and share art that connects to your own life and the world around you. Throughout the course, you'll work with many different materials and try out lots of fun art techniques!

2D ART 10: ART STUDIO (MVAST10)

This course helps students grow their skills in creating meaningful art. You'll have lots of chances to explore new art materials and try out different techniques. You'll also be encouraged to take creative risks and learn more about your own art style. The course will focus on how art is important in your life and in the community around you. Some of the fun projects you might work on include mural painting, mixed media art, collage, as well as drawing and painting. Although it's useful to have taken a 2D art course before, it is not required.

2D Art 11 (MVAST11)

2D Art 11 takes a deeper dive into 2D art. You'll explore and develop your own style by looking at examples from famous artists and visiting galleries online and in real life. The focus will be on using different art elements (like color, shape, and texture) and design principles to help you strengthen your personal artistic style. You'll work with a variety of materials and techniques. This class gives you the chance to take charge of your own projects, with studio time to focus on creating art in a way that reflects your unique ideas and interests. Although it's useful to have taken a 2D art course before, it is not required.

2D Art 12 (MVAST12)

In 2D Art 12, you'll plan your own projects with the teacher's help, choosing areas to work in like drawing, painting, textiles, or printmaking. You'll also learn about art history and art theories to help you develop your own style and ideas. Throughout the course, you'll keep a visual journal and build an art portfolio. This course allows you the freedom to pursue what is most interesting

to you in art. Although it's useful to have taken a 2D art course before, it is not required.

3D Art 9 & 10: SCULPTURE (MVA--09CR1 & MVASC10)

This course is for students who want to explore 3D art using different materials. While the main focus will be on clay, you'll also work with other materials that are great for sculpture and shaping. You'll learn basic clay techniques like slab, coil, and pinch construction, and you'll even get a chance to try making something on the pottery wheel. You'll also explore fun ways to decorate your creations, like using wax resist, glazing, image transfer, texture, and sgraffito.

3D Art 11: SCULPTURE (MVAC-11)

This course is for students who want to continue to explore 3D art using different materials. While the main focus will be on clay, you'll also work with other materials that are great for sculpture and shaping. You'll learn new clay techniques, and you can continue practicing making things on the pottery wheel. You'll also explore fun ways to decorate your creations, like using wax resist, glazing, image transfer, texture, and sgraffito. Although it's useful to have taken a 3D art course before, it is not required.

3D Art 12: SCULPTURE (MVAC-12)

This course is your chance to take your pottery skills further with both hand-building and wheel-thrown pottery. You'll get to propose your own projects and dive deeper into the design process, using clay or other materials as your medium. You'll also spend some time studying well-known 3D artists from around the world, as well as locally. Although it's useful to have taken a 3D art course before, it is not required.

JEWELRY 9 (MADM-9-JL) 10 (YIA--0A), JEWELRY 11 (YIA--1A), & JEWELRY 12 (MTAMJ12)

Jewelry design is a creative way for students to design and make their own pieces in a hands-on, project-based environment. You'll go through the whole design process—from brainstorming ideas to creating prototypes and making final pieces that reflect your personal style. Along the way, you'll learn jewelry-making techniques while improving skills like hand-eye coordination, patience, time management, problem-solving, and both creative and critical thinking. This course also covers important topics like the social, ethical, and environmental aspects of jewelry design. You'll think about the impact of the materials you use, how long your creations will last, and ways to recycle or reuse materials to make your designs more sustainable. Please note there will be no metalsmithing in this course. No prerequisite is required.

PHOTOGRAPHY 9 (MVA--09PH1) and 10 (MVAPH10)

This introductory course focuses on creating strong, creative, and well-designed photos. You'll work with both film (analog) and digital cameras while learning good studio practices. You'll be encouraged to think like a photographer—paying attention to what's around you and capturing your experiences. You'll learn to use digital tools like Photoshop and Lightroom, and how to develop film using the darkroom. By the end of the course, you'll combine all your skills to create unique projects using a variety of methods.

PHOTOGRAPHY 11 (MVAPH11)

In this course, you'll work on bigger, theme-based projects. If you've completed Photography 10 or have permission from the teacher, you can choose to focus on either digital or analog photography to complete your work. The focus will still be on good studio practices and improving your skills to create amazing images. As the course progresses, you'll have more freedom to use the studio resources and propose projects that fit your own interests and style.

PHOTOGRAPHY 12 (MVAPH12)

Photography 12 is all about working on your own projects and building a portfolio throughout the year. You'll have the chance to explore your personal style. This course works best for self-motivated students who can take charge of their learning, with the teacher there to guide you along the way. You'll need to present your work regularly for feedback and assessment. With the skills you've developed in Photography 10 and 11, you'll be ready to dive into either digital or analog photography (or both) and create projects that explore big themes and important issues.

MEDIA ARTS 9 (MA09)

Media Arts 9 enables students to create projects through exploration with emerging technologies. Students will work primarily with the Adobe Creative Cloud platform, which includes Photoshop, Illustrator, Lightroom, InDesign, and Premiere Pro to create their portfolio of work and develop competency within those applications. There will also be an emphasis on skills that are transferable beyond the media arts classroom to develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create their own design work as well as interpret designs of other artists. There will be an emphasis of the influences of digital media in society.

MEDIA ARTS 10 (MVAM-10)

This course gives students the opportunity to continue their exploration into emerging technologies related to the arts with an emphasis on creating projects that demonstrate competency in communicating ideas through design and action. Students will gain confidence in both digital platforms such as Illustrator, Photoshop and Adobe Premiere and hands on studio practices such as silk screening and printmaking while responding to contemporary design issues and ideas. Students who take Media Arts 10 will have an excellent foundation to move into Media Arts 11/12, Photography 11/12, and New Media 11.

MEDIA ARTS 11 (MVAMT11)

A continuation of concepts learned in Media Arts 10 with an emphasis on building confidence in designing larger projects. Students will consider site specific Media Design, study designers who have made a difference in communication and move towards a broader repertoire of processes available to Graphic Designers. Students exercise more choice in projects they wish to pursue than

in the previous year. Students in the senior grades will be responsible for logo design for grad ware and B-Eastside magazine publication through In Design. Students could also concentrate on Film Production for a term in this course to participate in the District film Festival in May.

MEDIA ARTS 12 (MVAMT12)

Students work focus on their role as a media design student in a broader context; how their responsibility shifts from consumer to producer. This course is designed for students who are interested in how media design influences and manipulates the general public and their role in this process as designers. Students will work thematically throughout each semester, creating design challenges that cover a number of Design processes such as print making, drawing, collaging, Photo manipulation (Photoshop), Illustration (Illustrator) and Publication (IN Design.) Students who take this course can also spend second term developing their competency in film Production, learning Adobe Premiere Pro to plan, film and produce their own short film for the District Film Festival in May.

YEARBOOK 9 -12

(MADMA09C01) 10 (YCCT-0C) 11(YCCT-1C) & YEARBOOK 12(YCCT-2C)

The goal of this course is to produce the school's Annual Yearbook. The yearbook will be produced on computers. In this combined course, students will:

1. Become familiar with a variety of computer publishing programs.
2. Learn elements of graphic design.
3. Acquire skills in photography, page layout, presentation, etc.
4. Improve their written and oral communication skills.
5. Practice their organizational and leadership skills, as they plan and carry out the various activities associated with producing a yearbook.

Editors and section heads will form the core of leaders who, in turn, will work with a large number of other students outside class time in order to complete the yearbook on time and on budget.

This course is designed for students who are self-starters and who are independent and responsible workers. Students who take this course will acquire skills which will be invaluable for entering the workforce or going on to post-secondary education.

MUSIC

The Music Program at Britannia gives students the opportunity to get involved in community and school events through music-making. Students will develop their confidence as musicians and experience making music as a part of an ensemble. Student evaluation in music courses is based on improvement in terms of technique, tonal quality, reading level, sight-reading ability, range of skills learned, and participation in public performances. All music classes are performance-centred and attendance is required.

CONCERT BANDS

BEGINNER BAND 8-10

MMU--08BA1 MUSIC 8 BAND BEGINNERS

MMU--09BA1 MUSIC 9 BAND BEGINNERS

MMUCB10--1 INSTRUMENTAL MUSIC: CONCERT BAND 10 BEGINNERS

This course is intended for students who are interested in learning how to play a band instrument

such as flute, trumpet, clarinet, etc. and have little experience playing a band instrument. Students will learn how to read music, proper technique, care for their instrument, tone quality, and performance skills. Participation in public performances both during and outside of school hours are a part of the course requirements.

INTERMEDIATE CONCERT BAND 9-12

MMU--09BA3	BAND 9 INTERMEDIATE
MMUCB10--3	CONCERT BAND 10 INTERMEDIATE
MIMCB11	INSTRUMENTAL MUSIC 11: CONCERT BAND 11 INTERMEDIATE
MIMCB12	INSTRUMENTAL MUSIC 12: CONCERT BAND 12 INTERMEDIATE

This course is intended for students who have completed a year (or more) of training on a band instrument and are comfortable reading standard music notation written for their instrument of choice. Students will play music from a variety of genres including rock, pop, and more traditional concert band repertoire. Public performances are a part of the course requirements and will include at least 2 school concerts and as well as participation in district events. This is a touring ensemble in which students will have the opportunity to travel other parts of the world to participate in music festivals in which they can further develop their skills.

JAZZ BAND

INSTRUMENTAL MUSIC: JAZZ BAND 10 (MMUJB10)

Prerequisite: at least one year of experience on their instrument or Band 8/9

This is a course which explores jazz, rock and concert band repertoire, emphasizing ensemble-style playing, some improvisation and the playing of Big Band music from the 1930's to the present. Students will participate in the district festival and other events. Public performances are part of the course requirements. This course may be off-timetable and attendance at all rehearsals is essential to student success and progress.

INSTRUMENTAL MUSIC 11-12: JAZZ BAND (MIMJB11, MIMJB12)

Prerequisite: Band 9/10 or permission of the teacher

This is a course which explores jazz, rock and concert band repertoire, emphasizing ensemble-style playing, some improvisation and the playing of Big Band music from the 1930's to the present. Students will participate in the district festival and other events. Public performances are part of the course requirements. This course may be off-timetable and attendance at all rehearsals is essential to student success and progress.

ROCKBAND

ROCKBAND 9 (MMU--09BA2) & 10 (MMUCM10)

In this class students will explore contemporary music (pop, rock, folk, indie, hip hop, movie soundtracks, etc.) in an ensemble setting made up primarily of marimbas. Students will have the opportunity to adapt and arrange music not originally intended for marimba (popular songs) to create unique arrangements based on the instrument's capabilities. Students in this class will have opportunities for individual creativity, improvisation, and collaboration. All students in the marimba ensemble will work together to make music that is created through reflection, perseverance, and resilience which will culminate in a performance at the end of each term. Everyone who has an interest in playing marimba is welcome to take this course!

ROCK BAND 11-12 (MMUCM11, MMUCM12)

In this class students will explore contemporary music (pop, rock, folk, indie, hip hop, movie soundtracks, etc.) in an ensemble setting made up primarily of marimbas. Students will have the opportunity to adapt and arrange music not originally intended for marimba (popular songs) to create unique arrangements based on the instrument's capabilities. Students in this class will have opportunities for individual creativity, improvisation, and collaboration. All students in the marimba ensemble will work together to make music that is created through reflection, perseverance, and resilience which will culminate in a performance at the end of each term. Everyone who has an interest in playing marimba is welcome to take this course!

CHOIR

CONCERT CHOIR 9 & 10 (MMUCC09) (MMUCC10)

Concert Choir 9/10 is for students interested in singing in an ensemble. Students will have the opportunity to sing music from a variety of genres and styles in 3-part harmony. Repertoire will include popular music, a cappella arrangements in the style of Pentatonix, and more traditional repertoire suited for school-wide assemblies. Emphasis will be on developing proper vocal technique, posture, breathing, and music-reading abilities. This class is performance-centred and attendance at school-based and extra-curricular concerts is required.

CONCERT CHOIR 11-12 (MCMCC11) (MCMCC12)

Concert Choir 11-12 is for students with two or more years of experience singing in an ensemble. Students will have the opportunity to sing music from a variety of genres and styles in 3 and 4 part harmony. Repertoire will include popular music, a cappella arrangements in the style of Pentatonix, and more traditional repertoire suited for school-wide assemblies. Emphasis will be on developing proper vocal technique, posture, breathing, and music-reading abilities. In this class, students will be given the opportunity to audition for solos. This class is performance-centred and attendance at school-based and extra-curricular concerts is required.

VOCAL JAZZ

VOCAL JAZZ ENSEMBLE 10/11/12 (MMUVJ10, MCMJV11, MCMJV12)

Vocal Jazz is an enhancement course for experienced singers. In this auditioned group (auditions held in early February) students will develop musicianship as they work through a variety of repertoire with an emphasis on jazz and pop. There will be opportunities for students to work in small ensembles, solo, and use handheld microphones with proper technique. The Vocal Jazz Ensemble is performance-centred and would perform frequently within the school and community. Attendance at all performances is a requirement for this course. Depending on timetable constraints, this course may be off-timetable.

BEGINNER GUITAR/UKULELE 9 (MMU--09GR1) & 10 (MMUGT10--1)

This course is designed for the absolute beginner who wants to learn guitar or ukulele but has never learned. Emphasis will be on learning how to play chords, read TAB, reading, and playing a variety of strum patterns, and proper technique. Students will learn a variety of songs from many genres including rock, pop, folk, and classical. Students will also have the opportunity to complete an independent project in which they will choose their own repertoire and work through it with the support of a teacher mentor.

INTERMEDIATE GUITAR/UKULELE 10, 11, 12 (MMUGT10--3, MIMG-11, MIMG-12)

Prerequisite: at least one year of experience playing the guitar or permission of instructor

This course is designed for students who have been playing guitar or ukulele for a year or more. Emphasis will be on playing songs with more challenging chord progressions, playing finger style songs by reading TAB, reading music for guitar written in traditional music notation, playing more complex strum patterns, and using proper technique. Students will learn a variety of songs from many genres including rock, pop, folk, and classical. Students will also have the opportunity to complete an independent project in which they will choose their own repertoire and work through it with the support of a teacher mentor. Performance is an integral part of this course. Students will participate in a winter showcase as well as an "open mic" style event at the end of the year.

DRAMA

DRAMA 9 (MDR--09)

Drama 9 is an exploration course that allows students who have an interest in Drama to continue discovering their inner performing artist. Students will expand their Drama repertoire by continuing their learning about character, time, place, plot, tension, mood, and other themes. Throughout the semester students can expect assignments based in group and solo performances. Most of all, Drama 9 is about learning to take risks and have fun!

DRAMA 10 (MDRM-10)

Emphasis will be on building skills developed in Dramatic Arts 8: co-operation, trust, risk, generosity, basic stage presentation and ensemble work. Students will be introduced to character development, monologues, and scene work. This is a course designed for the serious drama student who wants to learn about the finer points of working in Theatre.

DRAMA 11 – (MDRM-11)

Students will be introduced to the history of theatre. Through performance of different genres, students will show their understanding of theatre through the ages. Emphasis in Theatre Performance 11 will be on script work. Forms studied will include Greek theatre (masks and choral work), Commedia dell'arte (clown and stock character), Absurdist theatre (Ionesco), Shakespeare and various contemporary scripts. Drama 11 focuses less on public performances and instead on in-class scenes and skits. Drama 11 is for students who wish to take Drama without the stress of Theatre Company.

DRAMA 12 - (MDRM-12)

Building on the skills and lessons from Drama 11, students will continue to explore the history of theatre through performance. Students will engage in writing scenes, taking risks in class, and creating a community that allows students to explore their identity. Drama 12 is recommended for students who wish to focus less on public performance and instead focus on building their skills in Drama.

MODERN LANGUAGES

Britannia's Modern Languages Department is committed to providing an interactive, communicative language learning environment, with the aim of helping students become confident, effective speakers of French and/or Mandarin. Our departmental policy of promoting language acquisition within a cultural and historical context complements our school's multicultural setting and student population. **A language course at the grade 11 level is required by many post-secondary institutions for admissions. The courses are designed to be taken sequentially starting in grade 8 for French and Introduction to Mandarin for Chinese.**

FRENCH 8 (MFR--08)

French 8 is an introductory course for students with little or no experience in French. This course stresses oral communication and actual use of the language in everyday situations, such as meeting and talking with friends and school life in Canada, France and the francophone world. Students will talk to one another in French, listen to spoken French language and songs, watch short French videos, and read short texts in French. Written activities are also introduced. Generally, all Grade 8 students in the province of B.C. are required to take French 8. However, some students may be exempt from this policy due to specific learning needs.

FRENCH 9 (MFR--09)

French 9 builds on the language skills students have learned in grade 8. In French 9 emphasis is on oral communication and reading but more structured written communication is introduced. This is a very enjoyable course where students learn the language through the study of such topics as music, friendships, sports and favorite pastimes, and French culture.

FRENCH 10 (MFR--10)

Prerequisite: French 9 or teacher recommendation.

French 10 continues an emphasis on oral communication. Topics introduced include music, life at home and abroad. At this level, students are challenged with more sophisticated oral, reading and writing activities. Students have many opportunities to explore different aspects of contemporary French culture.

FRENCH 11 (MFR--11)

Prerequisite: French 10 or teacher recommendation.

This course makes communicating in French a realistic and enriching experience by developing life skills and expanding general knowledge. Units of themes studied are based on topics of interest to students, such as film, music, gastronomy and technology in the Francophone world. Students are expected to work on reading and oral comprehension and to use French in both written and oral activities, in a variety of situations. A language course at the grade 11 level is required by many post-secondary institutions.

FRENCH 12 (MFR--12)

Prerequisite: French 11 or teacher recommendation.

French 12 continues with communicating in French, understanding the Francophone world, and experiencing a realistic and enriching development of life skills while expanding general knowledge. French 12 focuses on themes such as travel, film, music, media and cultural diversity. Join us and have fantastic year while communicating with peers and friends *en français!*

INTRODUCTION TO MANDARIN

Introduction to Mandarin is a course designed for students in all grades who have not had exposure or learned Mandarin before. Students in G11 will receive senior intro language credit with the possibility of continuing to Mandarin 11. Students will continue exploring Mandarin in Mandarin 9-12 after this course. This course will focus on all four areas of the language: speaking, listening, reading, and writing. Students will have a chance to practice Mandarin in a variety of class activities, projects, assignments, and/or field trips. Students will also be involved in events for Chinese festivals, such as moon cake tasting for Mid-autumn Festival, celebration for Chinese New Year, etc. This course will include contents on Pinyin, self-introduction and family members, time and daily routine, and colours and clothing.

MANDARIN 9 (MMAN-09)

This is a course designed for students who has taken Introduction to Mandarin or had some exposure to spoken and written Mandarin prior. This course emphasizes on all four language skills: listening, speaking, reading and writing, with an emphasis on speaking and listening. It is expected that students who enroll in this course will be able to express ideas using a variety of sentence structures on topics such as extended families, hobbies, weather, and school subjects. Students will be completing quizzes and dictations, projects, oral presentations, and/or field trips in this class. In addition to the language, students will also explore the complexity and richness of Chinese history and culture. Students will be involved in events for Chinese festivals, such as moon cake tasting for Mid-autumn Festival, celebration for Chinese New Year, etc.

MANDARIN 10 (MMAN-10)

This is a course designed for students who has taken Mandarin 9 or had intermediate language background in Mandarin. This course emphasizes on all four language skills: listening, speaking, reading and writing, with an emphasis on speaking and listening. It is expected that students who enroll in this course will be able to express ideas using a variety of sentence structures on topics such as food and holidays, personalities and relationships, daily routine, and community. Students will be completing quizzes and dictations, projects, oral presentations, and/or field trips in this class. In addition to the language, students will also explore the complexity and richness of Chinese history and culture. Students will be involved in events for Chinese festivals, such as moon cake tasting for Mid-autumn Festival, celebration for Chinese New Year, etc

MANDARIN 11 (MMAN-11)

Mandarin 11 involves a more detailed study of the Mandarin language — reading, written, and grammatical structures. Students are given opportunities to practice both their oral and written Mandarin in the form of a variety of different text types : letter, journal entry, etc. Continued

emphasis is placed on Chinese written characters, as well as providing students with opportunities to research and explore the vast history and culture of China. Topics may include: menu and eating out, relationships and emotions, travelling, and Chinese holidays. In addition to the language, students will also explore the complexity and richness of Chinese history and culture. Students will be involved in events for Chinese festivals, such as moon cake tasting for Mid-autumn Festival, celebration for Chinese New Year, etc

MANDARIN 12 (MMAN-12)

Prerequisite: Mandarin 11 or proficient language background (see teacher for entrance interview)

Mandarin 12 is the most advanced level of Mandarin offered at the high school level. This course continues to place emphasis on all four language skills: listening, speaking, reading, and writing. Students are introduced to idiomatic language in Mandarin and given writing assignments in class in an effort to improve their proficiency in writing. Topics may include interpersonal relations, global issues, science and technology, health and leisure, and customs and traditions. In addition to the language, students will also explore the complexity and richness of Chinese history and culture. Students will be involved in events for Chinese festivals, such as moon cake tasting for Mid-autumn Festival, celebration for Chinese New Year, etc.

MATHEMATICS

Math is an incredible subject that helps us think logically and solve problems. Whether you already love math or haven't yet discovered what makes it exciting, these courses offer something for everyone. Math isn't just about numbers—it's about using logic and clear thinking to tackle challenges, whether you're applying for your dream job, asking for a raise, or even making smart choices at the grocery store. By taking these courses, you'll sharpen your problem-solving skills and learn how to communicate and reason effectively.

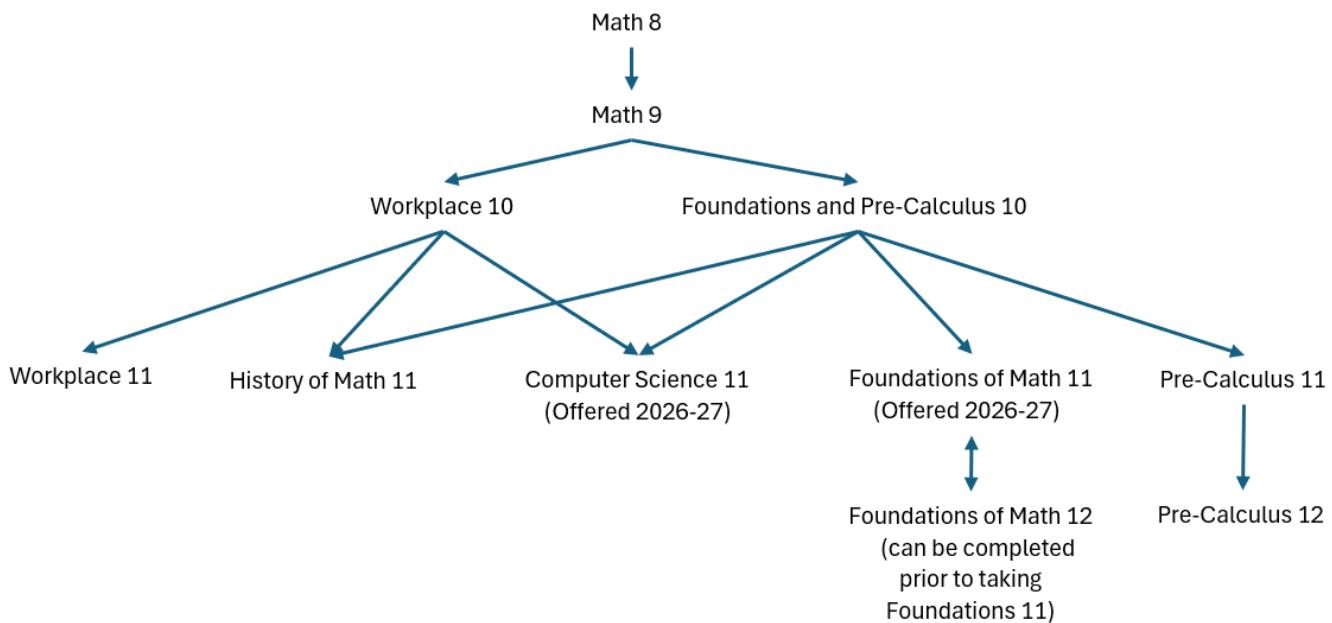
When it comes to math in high school, there are three main paths you can choose from:

Apprenticeship and Workplace – Great for students aiming to enter trades or technical careers. This path focuses on math skills you'll need for jobs, technical colleges, or trade schools.

Foundations – Perfect for students heading into post-secondary programs that don't require advanced calculus, like social sciences, arts, or humanities.

Pre-Calculus/Calculus – Ideal for those planning to study programs like engineering, science, medicine, or business that require advanced math and calculus.

In addition to these streams there are topic specific courses at the grade 11 level, namely History of Mathematics and Computer Science.



A change in stream is possible although prerequisites should be met as these streams differ significantly in design and content. If a student finds later that they require courses from another stream for a college or university program this can be acquired at college or an adult education center.

MATHEMATICS (MMA--08)

Math 8 builds on what you learned in Grade 7 with fun and practical topics. You'll master integers

fractions, and percentages, dive into ratios and rates, and learn about surface area, volume, and linear relations. There's also some cool work on data analysis.

Big Ideas:

- Numbers
- Computational Fluency
- Discrete Linear Relationships
- 3D Objects
- Data

MATHEMATICS 9 (MMA--09)

Prerequisite – MMA08

This course strengthens your math skills and helps you level up your algebra game. You'll work on linear equations and other key concepts while sharpening your reasoning skills.

Big Ideas:

- Numbers
- Computational Fluency
- Continuous Linear Relationships
- Proportional Relationships
- Data

WORKPLACE MATHEMATICS 10 (MWPM-10)

Prerequisite – MMA09

This is a hands-on math course to help you succeed in trades or technical careers. Learn how to manage data, compare proportions, and understand operations. If you're interested in a technical college or jumping straight into the workforce, this course may be a great fit.

Topics include:

- Puzzles and Games
- Trigonometry
- Graphs
- Measurement
- Angle Relationships
- Central Tendency
- Experimental Probability
- Financial Literacy

FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10)

Prerequisite – MMA09

This course gets you ready for the next step in math, whether that's Foundations or Pre-Calculus. You'll practice algebra, work with linear relationships, and learn data analysis while building your math confidence. Perfect if you're aiming for college or university!

Topics include:

- Trigonometry
- Polynomials
- Powers with Integral Exponents
- Relationships among Data, Graphs and Situations
- Linear Relations
- Systems of Linear Equations
- Experimental Probability
- Financial Literacy

WORKPLACE MATHEMATICS 11 (MWPM-11)

Prerequisite – MWPM10

This course is a continuation of Workplace Mathematics 10, designed to provide students with

mathematical understandings and critical thinking skills identified for entry into the majority of trades, via a technical college or trade school, and for direct entry into the work force. There will be a focus on developing spatial sense, number sense and algebraic and statistical reasoning throughout.

Topics include:

- Slope and Rate of Change
- Graphical Representations
- Measurement
- Scale Representations
- Finance
- Geometry

COMPUTER SCIENCE 11 (MMACS11) (Offered 2026-27)

In this course, you'll learn how to think like a programmer! You'll solve real-world problems by breaking them into smaller steps and creating algorithms. It's all about computational thinking and building skills you can use in coding. This is a hands-on course for tech enthusiasts!

Topics include:

- Representation of Basic Data Types
- Basic Programming Concepts
- Constructing and Evaluating Logical Statements
- Control Flow to Manipulate Program Execution
- Development of Algorithms
- Techniques for Operations and Searching
- Problem Decomposition through Modularity
- Computing for Financial Analysis

HISTORY OF MATH 11 (MHOM-11)

Ever wonder how math has shaped our world? This course explores the fascinating history of math, showing how it's been used to solve problems and drive big changes in society. It's a mix of math, storytelling, and real-world impact!

Topics include:

- Historical Number Systems
- Uses of Patterns and Algebra
- Development of Geometry
- Early Applications of Statistics and Probability
- Development of Mathematical Tools and Technology
- Uses of Cyphers, Codes, and other Cryptography

FOUNDATIONS OF MATH 11 (MFOM-11) (Offered 2026-27)

Prerequisite – MFMP10

This course is perfect if you're planning to go into fields like social sciences, humanities, or arts after high school. You'll work on practical math skills for everyday life, explore statistics and geometry, and even take on a research project to see how math impacts the world around us.

Topics include:

- Logical Reasoning
- Relations and Functions
- Statistics
- Geometry
- Measurement

PRE-CALCULUS 11 (MPREC11)

Prerequisite – MFMP10

Ready to tackle more advanced math? Pre-Calculus 11 is designed for students heading into programs like engineering, medicine, or science. You'll build your skills in algebra, graphs, and trigonometry. This course is all about preparing you for higher-level math like Calculus!

Topics include:

- Sequences and Series
- Absolute Value and Reciprocal Equations
- Radical Expressions and Equations
- Rational Expressions and Equations

PRE-CALCULUS 12 (MPREC12)

Prerequisite – MPREC11

Pre-Calculus 12 is your next step toward advanced math. You'll dive deeper into algebra, trigonometry, and graphing to prepare for programs like science, engineering, or business. If you're aiming for university-level math or calculus, this is the course for you!

Topics include:

- Polynomial Expressions and Functions
- Radical and Rational Functions
- Logarithmic Expressions
- Exponential and Logarithmic Functions and Equations
- Trigonometric Functions
- Trigonometric Equations and Identities
- Transformations of Relations and Functions
- Conics

PHYSICAL EDUCATION

The goal of the Physical and Health Education Department is to provide students with the skills and knowledge to participate in group and individual activities, make informed wellness decisions, and demonstrate personal and socially responsible behaviour to ensure they become lifelong physically active individuals who value a healthy lifestyle.

PHYSICAL and HEALTH EDUCATION 8 (MPHE-08)

Course Enhancement Activity Fee: \$20

Physical and Health Education 8 is an introductory course that aims to develop and enhance students' self-worth by challenging them physically and mentally. Students will be introduced to active living, fitness, and games through a variety of enjoyable physical activities. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. There is also an emphasis on social and community health and mental well-being throughout the course.

Students will have the opportunity to participate in many activities during the school year including the following team and individual activities: fitness, soccer, flag football, basketball, rugby, volleyball, dance, invasion games, racquet sports, minor games, softball, ultimate, lacrosse, aquatics and skating.

PHYSICAL and HEALTH EDUCATION 9 (MPHE-09)

Course Enhancement Activity Fee: \$20

Physical and Health Education 9 offers students the opportunity to learn more about themselves and enables them to make informed decisions about healthy active living throughout their lives. PHE 9 makes it possible for each student to achieve a healthy level of personal wellness, while developing the basic skills used in both recreational and competitive sports. Students who do their best will be satisfied with their achievements in Physical and Health Education 9. Similar to PHE 8, there is an emphasis on social and community health and mental well-being throughout the school year.

Students will have the opportunity to participate in many activities during the school year including the following team and individual activities: fitness, soccer, flag football, basketball, rugby, volleyball, dance, invasion games, racquet sports, minor games, softball, ultimate, lacrosse, aquatics and skating.

PHYSICAL and HEALTH EDUCATION 10 (MPHED10)

Course Enhancement Activity Fee: \$20

Physical and Health Education 10 is a comprehensive course that aims to develop and enhance students' self-worth by challenging them physically and mentally. Regular participation in a variety of enjoyable physical activities will promote lifelong healthy active living. Student learning will include movement principles and skills in a team and individual setting, fitness and health related issues, goal setting, decision-making and social interaction. Through Physical and Health Education 10 students will achieve a positive attitude towards lifelong physical activity,

while gaining a better understanding of themselves in the world of sports, active recreation and health.

Students will have the opportunity to participate in many activities during the school year including the following team and individual activities: volleyball, ultimate, basketball, racquet sports, dance, archery, active health, CPR, minor games, lacrosse, softball, soccer, football, aquatics and skating.

ACTIVE LIVING 11 (MACLV11)

Course Enhancement Activity Fee: \$60

The Active Living 11 program is an elective course that fosters a positive attitude towards lifelong physical activity. Students will be equipped with the skills and knowledge to participate in group and individual activities, make informed decisions and demonstrate personal and socially responsible behaviour.

Students will participate in a variety of learning activities including team games (flag football, soccer, floor hockey, basketball, handball, volleyball, softball, lacrosse, ultimate) and individual activities (badminton, table tennis, weight training/fitness, ice skating, golf, tennis). Active Living 11 students may be required to complete 10 hours of volunteer service outside of class time (preferably at Britannia Secondary School in the area of sport). Students will also have opportunities to participate in various course enhancement activities throughout the school year. Activities may include rock climbing, golf, indoor soccer, skating, aquatics, laser tag, and billiards.

ACTIVE LIVING 12 (MACLV12)

Course Enhancement Activity Fee: \$60

The Active Living 12 program is an elective course that aims to help students by preparing them for an active and energetic life after high school. A positive attitude towards lifelong physical activity is extensively emphasized throughout this course.

Students will participate in a variety of learning activities, including team games (football, soccer, floor hockey, basketball, volleyball, softball, lacrosse, ultimate) and individual activities (badminton, aquatics, table tennis, weight training/fitness, ice skating, golf, tennis, first aid).

Active Living 12 students may be required to complete 20 hours of volunteer service (preferably at Britannia Secondary School in the area of sport). Students will also have opportunities to participate in various course enhancement activities throughout the school year. Activities may include rock climbing, golf, indoor soccer, skating, aquatics, laser tag, and billiards.

LEADERSHIP 11 (YHRA-1A) & LEADERSHIP 12 (YHRA-2A)

Leadership 11 and Leadership 12 are courses designed to improve the leadership, cooperative and facilitative capabilities of Britannia students. Leadership students will be expected to take a leading role in all aspects of school life. This will include organizing and participating in peer tutoring, athletic tournaments, intramurals, parent nights, elementary school visits, assemblies, special events and field trips.

FITNESS AND CONDITIONING 11 (MFTCD11) & FITNESS AND CONDITIONING 12 (MFTCD12) Course Enhancement Activity Fee: \$40

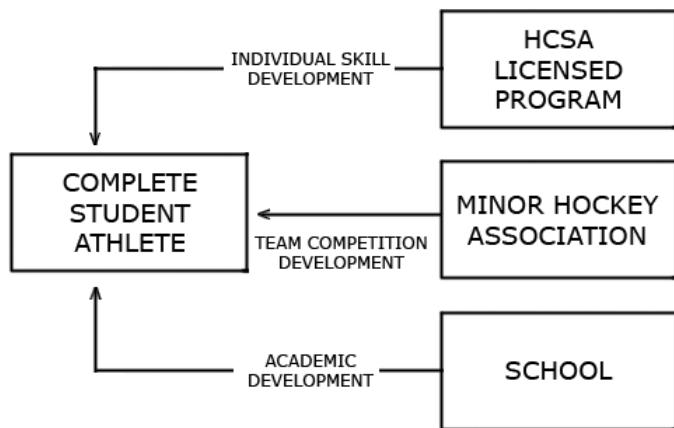
These courses are specifically designed for students who are motivated to continue with Physical Education at the Senior Level through participation in fitness activities. Students will learn techniques, theories and concepts of various training methods for general and/or sport-specific activities. Students will use this knowledge to design, implement and refine a fitness program that is specific to their needs, demonstrating improvements in the various components of fitness throughout the year.

Throughout the school year, students may participate in the following activities: Swimming, Walking/Running, Circuit Training, Yoga, Weight Training, Tabata, Sparta, Zumba, Step Class and Pilates. Regular use of the Britannia Community Centre facilities and off-campus activities will enhance this course. The theory component from these courses will provide a solid foundation for students interested in pursuing a career in the area of Fitness/Personal Training. Fitness and Conditioning 12 students are expected to complete project work as part of their course work.

Britannia Hockey Academy (BHA)

HOCKEY ACADEMY 8, 9 (MPHE-08DC1, MPHE-09DC1) HOCKEY SKILLS 10, 11, 12 (YLRA-0C, YLRA-1B, YLRA-2B)

As a licensed Hockey Canada Skills Academy, the BHA aims to develop individual player skills with a minor focus on team tactics. Student-athletes will learn the importance of balancing this hockey training with their high school academic curriculums and personal endeavors.



Each BHA student will embark on a journey along their Bruin's Road path with the support of instructors aiming to enhance students' ice hockey skills, fitness and knowledge. Extra-curricular activities such as rock climbing, small area game competitions, hiking, skiing/snowboarding, etc are an integral part of the program.

SCIENCE

SCIENCE 8 (MSC--08)

- Lab safety
- Scientific Method
- BIOLOGY: Cell Theory, Immune System
- CHEMISTRY: Matter, Atomic Theory, Kinetic Molecular Theory
- PHYSICS: Properties of Light, Human Vision
- EARTH SCIENCE: Plate Tectonics, Layers of the Earth

SCIENCE 9 (MSC--09)

- Lab Safety
- Scientific Method, Lab Design
- BIOLOGY: Cell Division, Cell Reproduction
- CHEMISTRY: Periodic Table, Compounds and Formulas
- PHYSICS: Electric Circuits, Voltage, Current, Resistance
- EARTH SCIENCE: Solar Radiation, Matter Cycles, Sustainability and Interconnectedness

SCIENCE 10 (MSC--10)

- Lab Safety
- Scientific Method, Lab Design, Scientific Literacy
- BIOLOGY: DNA, Patterns of Inheritance, Applied Genetics
- CHEMISTRY: Chemical Reactions, Acid-Base Chemistry
- PHYSICS: Kinetic & Potential Energy, Conservation and Transformation of Energy
- SPACE SCIENCE: Formation of the Universe, Data Collection Methods

BIOLOGY 11 – LIFE SCIENCE (MLFSC11)

Life Science 11 explores cells and cell reproduction, classification, interrelationships between organisms, microevolution, macro-evolution, genetic modification, trends in complexity among organisms, diversity, ecology and structure and function of living things. This course is laboratory-oriented and includes dissections and microscopic examinations.

BIOLOGY 12 – ANATOMY AND PHYSIOLOGY (MATPH12)

The course first examines cell structure and function, biological molecules and metabolism, followed by an in-depth look at human anatomy and physiology. The organ systems that we will explore include Digestive, Circulatory, Respiratory, Nervous, Excretory and Reproductive systems. Experimental work will be used to emphasize selected concepts.

CHEMISTRY 11 (MCH--11)

Chemistry 11 investigates the description, classification, and the theory of matter. In addition, the mole concept, gases, stoichiometry, atomic theory, ionic equations, the electrical nature of matter, the periodic table, nuclear and organic chemistry are covered. The course includes several experiments and extensive use of arithmetical skills (approximate answers, scientific notation, problem solving and significant figures).

CHEMISTRY 12 (MCH--12)

This course involves in-depth coverage of Rates of Chemical Reactions, Equilibrium, Solubility, Acid-Base Chemistry, and Electrochemistry. Emphasis is placed on experiments. Students should have a good grasp of mathematical principles.

PHYSICS 11 (MPH--11)

Physics 11 explores the big ideas of motion, forces, energy and waves.

Units include:

- Kinematics (uniformly accelerated horizontal motion, projectile motion)
- Dynamics (forces, Newton's Laws of Motion, forces in systems)
- Work, Energy, Power & Efficiency
- Electric Circuits
- Waves (properties and behaviours, sound)

PHYSICS 12 (MPH--12)

Physics 12 continues the exploration of the big ideas in Physics 11 (linear motion, forces, and energy) and investigates the big ideas of momentum, frames of reference, force fields and circular motion.

Units include:

- Kinematics & Dynamics (Physics 11 topics plus momentum and impulse)
- Equilibrium (static, dynamic, and rotational)
- Uniform Circular Motion
- Electrostatic Dynamics
- Electric Fields, Electric Force, Magnetic Fields, Magnetic Force
- Electromagnetism
- Gravitational Fields, Newton's Law of Universal Gravitation, Gravitational Dynamics
- Special Relativity

EARTH SCIENCES 11 (MESC-11)

This course investigates the science behind space, the creation of Solar Systems, the interconnection between Atmospheric and Oceanographic systems and their impacts on current and future environments on Earth.

SOCIAL STUDIES

SOCIAL STUDIES 8 (MSS--08)

This course offers students an opportunity to explore world history during the time period of the 7th century to 1750. Students will use historical and geographical thinking concepts such as cause and consequence, and patterns and trends to frame their study of the innovations, political systems, cultural shifts, migrations, exchanges, and explorations (to name a few) of many cultures. Topics of study may include the Barbarian invasion and the Dark Ages, European Feudalism and the Crusades and the Black Plague, the Islamic and Ottoman Empire expansion, Golden Age of China-Tang Dynasty, Feudal Japan-Edo Period, and Renaissance and Reformation. Current events will also be discussed regularly to develop critical and political thinking competencies.

SOCIAL STUDIES 9 (MSS--09)

This course offers an in-depth study of significant events, developments, places, and people in the years 1750 to the lead up to WWI in the early 20th century in Canada and around the world. Students will investigate a wide variety of topics that may include British Imperialism and the early colonization of Canada including the impact of the fur trade; discriminatory policies and historical wrongs in Canada, such as Residential Schools, the Komagata Maru, the Chinese Head Tax, and discrimination toward refugees fleeing persecution and ; revolutions and conflicts (for example: the French Revolution, American Revolution, Industrial Revolution, the Gold Rush / Chilcotin War in British Columbia); and case studies of nationalism, such as Japan. Topics about Canada that stretch beyond this time period may include Canada's physiographic features and the consequences of colonialism on Indigenous people and their successful efforts to self-govern. Students will continue to develop historical and geographical competencies learned in grade 8.

SOCIAL STUDIES (MSS--10)

This course examines significant global and Canadian events, developments, people, and places beginning with WWI through the lenses of historical and geographical thinking competencies. Students will investigate topics of interest up to present day that may include Canadian identity, autonomy, economy, and governance; discriminatory policies and injustices in Canada, such as Residential schools and internments; First Peoples' governance in Canada; Truth and reconciliation in Canada; case studies of international and domestic conflict and cooperation (for example: WWI, WWII, NAFTA, the Quiet revolution, the Oka crisis; the League of Nations, NATO); climate change; and urbanization.

INDIGENOUS STUDIES 12 (MINST12)

Students in grades 11 or 12 may take Contemporary Indigenous Studies 12. This is course is dynamic, comprehensive and delves into the rich and diverse cultures, histories, and contemporary issues facing Indigenous peoples in Canada. It is designed to provide students with an in-depth understanding of the contributions, resilience, and challenges experienced by Indigenous communities, fostering appreciation for

their profound cultural heritage and knowledge. Students will explore the intersection of colonialism and Indigenous Peoples in a global context and function in juxtaposition to the Canadian historical landscape. Colonialism has understandably become an important topic to deconstruct, as students will learn about Indigenous Peoples and culture from around the world. In addition to deconstructing, students will investigate the idea of reconciliation and conceptualize how truth and balance can be restored. Students will engage in critical discussions, exploration of Indigenous perspectives, and examination of key issues to foster meaningful connections and promote and engage in truth and reconciliation.

LAW STUDIES 12 (MLST-12) (*OFFERED FALL 2026*)

Students in grades 11 or 12 may take Law Studies 12. This course examines the rights and responsibilities of citizens, and the Canadian legal system and its heritage. Topics may include the Constitution Act, the Person's Case, the Oka crisis, missing and murdered women of the downtown eastside, the Canadian legal framework, law as a force of change, law in relation to societal values and worldviews, and law in relation to the spirit of Truth and Reconciliation with regards to federal, provincial, and indigenous legal and societal issues. Curricular Competencies (such as significance, perspective, and ethical judgement), projects, presentations, group work and field studies to the Provincial Law Courts are just some of the elements of this interesting course!

GENOCIDE STUDIES 12 (MGENO-12) (*Offered Fall 2026*)

Genocide Studies offers students in grades 11 or 12 an opportunity to examine what happens when endemic discrimination and racism escalate into ethnic hatred, and mass violence with the goal to mass murdering (extermination) of a certain group of people. Genocide is the epitome of a 'crime against humanity' and has been discussed in current events in the last 5 years. In this course, we will examine the social, economic, and political circumstances that lead to extreme violence. This course will include the role of governments, as well as non-governmental organizations (NGOs) like the United Nations and the International Court of Justice, in determining and addressing Genocide. In addition, students will have opportunities to examine multiple perspectives and discuss the historical dimensions (the Big 6) and the 10 Steps to Genocide through books, films, personal testimonies, projects, and presentations through the study of historical and contemporary genocides. Come and take part in conversations on how International Humanitarian Law, the Universal Declaration of Human Rights, and other tools and strategies for genocide prevention can be applied.

APPLIED DESIGN, SKILLS & TECHNOLOGY EXPLORATION

Applied Design, Skills & Technology Education provides an opportunity to “actively” apply technical knowledge in a practical manner while developing as informed creators and consumers for a better future. Students may explore industry career paths, specialty areas of interest, and garner practical skills to be used over a lifetime. Including Technology Education as part of any course provides concrete foundations for lifelong learning, and for some a base for entry into a variety of careers. We foster an approach to “hands-on” learning to develop industrial problem solvers, hands-on innovators, and skilled tradespeople who can contribute to solving problems not yet anticipated with processes and technologies not yet imagined.

Applied Design, Skills, and Technology Curriculum

The Applied Design, Skills, and Technologies curriculum builds on students’ natural curiosity, inventiveness, and desire to create and work in practical ways. It harnesses the power of learning by doing and provides the challenging fun that inspires students to dig deeper, work with big ideas, and adapt to a changing world. It provides learning opportunities through which students can discover their interests in practical and purposeful ways.

Q. What is Applied Design, Skills and Technologies (ADST) and why is it being introduced?

Applied Design, Skills, and Technologies is the new name for Applied Skills, better capturing the scope and nature of this area of learning. It includes an expansion of curriculum into Grades K–7. It maintains the values of applied learning, and hands-on designing and making in the disciplines of Business Education, Home Economics, Information Technology, and Technology Education.

WOODWORK/CARPENTRY

WOODWORK 9, 10, 11, and 12 (MADW-09), (MWWK-10), (MWWK-11), (MWWK-12)

In this class, you will learn to use a variety of hand tools, portable power tools, and stationary woodworking machines. There will be a few mandatory projects to help you develop new skills and demonstrate your understanding of the tools and techniques. After completing these projects, you will have time to research, plan, and work on personal projects using the skills you’ve learned. Grades will be based on your effort, perseverance, and the quality of the projects you complete. Projects completed in past years range from kitchen utensils, custom keepsake boxes, and small furniture.

FURNITURE AND CABINETRY 12 – Furniture Construction and Woodcrafts (MTFAC12)

With an effective project work-plan, students will construct a piece of furniture using the acquired skills of machining, joining, and finishing. Students will also be expected to identify and use an appropriate selection of hardware, fasteners, and adhesives in the assembly of the project. 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 will be employed to fabricate a variety of projects.

Activities: Large and small projects, shop maintenance, and jig production

Evaluation: Hands-on project work, equipment safety tests, woodworking technology theory (quiz/tests/assignments).

Recommendations: Woodwork 12

POWER TECHNOLOGY AND AUTOMOTIVE

ADST POWER TECHNOLOGY AND AUTOMOTIVE 9 (MADPT09)

If you plan to take an automotive course later on to learn facts about cars, this course is strongly recommended. An introductory course providing students with a general overview of today's technology. This course will be beneficial whether you choose to follow a related career in this field, or to just expand your knowledge and skills for general interest. This course is designed to prepare you for the future. It is designed to build skills, self-confidence and the ability and desire to learn new information. Although we will concentrate on today's technology and small gasoline engines, the knowledge and skills you acquire can be transferred to a wide range of mechanical situations.

Evaluation: Hands-on project work, equipment safety tests, technology theory (quiz/tests/assignments).

Recommendations: None. This is an exploratory course.

* This course fulfills a graduation requirement for grade 9 ADST.

POWER TECHNOLOGY AND AUTOMOTIVE 10 (MTPOW10)

If you plan to take an automotive course later on to learn facts about cars, this course is strongly recommended. In the first part of the course, you will become familiar with the 4- and 2-stroke engine. You will be actually dismantling and re-assembling a 4-stroke single cylinder go-cart engine in the shop. Next, you will learn the operations and workings of basic vehicle care and inspection. Although we will concentrate on today's technology and small gasoline engines, the knowledge and skills you acquire can be transferred to a wide range of mechanical situations.

Evaluation: Hands-on project work, equipment safety tests, technology theory (quiz/tests/assignments).

Recommendations: None. This is an exploratory course.

AUTOMOTIVE 11 (MTAUT11)

This course is designed as an introduction to the basic automobile mechanics. It covers the automobile chassis and running gear, i.e. engines, fuel systems, ignition systems, clutches, transmissions, differentials, brakes, suspension and steering. Students interested in automotive technology or entering the automotive trade, e.g. Youth Train in Trades** program, will find this course very informative.

Evaluation: Hands-on project work, equipment safety tests, automotive technology theory (quiz/tests/assignments).

Recommendations: None. This is an exploratory course.

AUTOMOTIVE 12 (MTAUT12)

This course is designed to advance your basic skills. It covers the next level automobile chassis and running gear, i.e. engines, fuel systems, ignition systems, clutches, transmissions, differentials, brakes, suspension and steering. Students interested in automotive technology or entering the automotive trade, e.g. Youth Train in Trades** program, will find this course very informative.

Britannia offers a district program, **Youth Train in Trades in Automotive Service Technician program in semester 2. Please see Mr. Or, if you are interested in this program.

Evaluation: Hands-on project work, equipment safety tests, automotive technology theory (quiz/tests/assignments).

Recommendations: Automotive 11

AUTOMOTIVE TECHNOLOGY 12: ENGINE AND DRIVE TRAIN (MTEAD12)

Prerequisite - Automotive 12

These two senior courses will cover topics such as engines, drive trains, brakes, electronics, and automotive on-board computer systems. The major portion of the course will be hands-on practical training in the auto shop, working on shop vehicles, customers' vehicles or the students' own vehicles.

FOOD STUDIES/HOME ECONOMICS

HOME ECONOMICS is the art and science in using fabrics and food to create something special. It is wearable and edible! It promotes the understanding of sustainability, a healthy lifestyle and designing everything that you make, right for you.

HOME ECONOMICS 8, 9 (MADFS08, MADFS09) are introduction course,

Textiles we work with fabrics and soft materials to create bags, clothing and other creative arts that make you feel good.

- Get creative, design and create with fabrics, turn 2D into 3D.
- Learn basic sewing skills, know how to use an iron.
- Get hands on experience to apply your math skills, you will be amazed!

In food studies, we continue to be creative, we explore, we experiment and we taste new flavors, try new techniques and cook new recipes!

- learn basic cooking and baking skills, make pancakes and bake cookies!
- Tastes new and different flavors, try using kitchen equipment and tools
- work in the Indigenous garden, planting & harvesting salad bars and use fresh herbs in our cooking!

Textiles multi-grade 9-12 (MADT-09; MTXT-10; MTXT-11; MTXT-12)

Being creative using a variety of materials from fabrics to buttons, from making duffle bags, tote bags to making clothing to make you look and feel amazing!

- Be creative, design and transform your inspirations into a reality
- Get great sewing skills

- Design new and unique materials using natural dyes
- Upcycle and repurpose textiles and give it a new life
- Go on Art and Fashion show field trips

Foods 10 (MFDN-10), FOODS 11 (MFDN-11), FOODS 12 (MFDN-12)

Food Studies promotes the understanding of nutrition and a healthy lifestyle.

- Culinary skills, knife skills, plating, iron chef
- Garden to table - fresh herbs, salad bar
- Work in the indigenous garden planting, weeding, harvesting
- Tastes new flavors, try different foods
- Re-create and make all time favorites

YOUTH TRAIN in TRADES AUTOMOTIVE SERVICE TECHNICIAN PROGRAM AT BRITANNIA

Britannia offers a district program, **Youth Train in Trades** Automotive Service Technician program. Please see your counsellor and Mr. Or for more information and visit <http://youth.itabc.ca/programs/train/> <http://youth.itabc.ca/trade/automotive-service-technician/>

WHAT YOU LEARN!

- How to inspect, diagnose and service cars and light trucks
- How to repair engines, steering systems, braking systems, vehicle suspensions, electrical systems and more
- How to use computerized diagnostic equipment to test and adjust key vehicle components
- How to perform preventative maintenance, including wheel alignments, oil changes and tune ups

WHO CAN YOU WORK FOR:

As an Automotive Service Technician, you can work for a motor vehicle manufacturing company, a motor vehicle dealer, or anywhere where motor vehicles are serviced, like an automotive specialty shop or a service station.

TYPES OF WORKPLACES

- Auto Shops
- Municipalities
- Vehicle Rental Agencies

WHO YOU'LL WORK WITH:

You will be paired with a Red Seal Mechanic who will ensure that you have a solid mechanical foundation and will help you develop your skills in servicing and repairing all automobile components—from the suspension, through the drive-train, and even the electrical systems.

CAREER PROGRAMS

YOUTH TRAIN IN TRADES PROGRAMS:

The Vancouver School Board offers district programs for students to pursue industry certification or the foundation level of a trade program. These programs save time and money (free tuition) and offer a huge jump start for students.

The benefits include:

- Dual credit with post-secondary institution (most programs)
- Head start with Foundation program training
- Registration with the Industry Training Authority (ITA)
- Potential direct lead into an apprenticeship
- Work experience in the trade

For more information and an application form, please visit the VSB Career Programs website: careerprograms.vsb.bc.ca links to Youth TRAIN in Trades, a pdf brochure for each program, and the application package. Also visit the Industry Training Authority website: www.itabc.ca. All students *applying* for Youth TRAIN in Trades programs should register at their home school with a full course load. Schools will be asked to modify a student's timetable if the student is accepted into a Youth TRAIN program.

Certification: successful completion of program will lead either to Level 1 technical training credit or a Certificate of Qualification from the Industry Training Authority.

See next page for list of programs



Program	Where the program is taught	Credits towards graduation program	Timetable	Application Due	Month program begins
Aircraft Maintenance Engineer	BCIT	16 credits	Monday - Friday	March 1	August
Auto collision and Refinishing	VCC	32 credits	Monday - Thursday 8:00 am - 3:00 pm	November 30 March 1	February September
Auto Service Technician	Britannia	20 credits	Semester 2	March 1	September
Baking and Pastry Arts	VCC	24 credits	Monday - Thursday 1:00 pm - 7:15 pm	November 30	August
Carpentry	BCIT	20 credits	February - June Monday - Friday	March 1	February
Cook	Sir Charles Tupper (priority to SCT students)	24 credits	Semester 2	March 1	September
Cook	David Thompson	24 credits	Semester 2	March 1	September
**Electrical	BCIT	24 credits	Monday – Friday	March 1	August
Hairdressing	VCC	44 credits	Monday - Friday	March 1	September
** Heavy Mechanical Trades	VCC	28 credits	Monday – Thursday 36 weeks	March 1	September
Plumbing	Piping Industry College of BC	4 credits	Mid-June to late July	March 1	June
Painting	Finishing Trades Institute of BC	4 credits	Mid-June to late July	March 1	June
** Millwright	BCIT	20 credits	Monday - Friday	March 1	February
** Motorcycle & Power Equipment	BCIT	20 credits	Monday - Friday	March 1	February
** Metal Fabrication	BCIT	20 credits	Monday - Friday	March 1	February

- * Limited spots available – must contact Career Programs office in the school year prior to program



DUAL CREDIT PROGRAMS:

These programs, in partnership with post-secondary institutions, provide the opportunity for students to get a head start on their certification programs. Students save money (free tuition) and earn high school and post-secondary credits at the same time.

HEALTHCARE ASSISTANT (Grade 12)

Students will prepare to work as frontline caregivers in home support, adult day care, assisted living, and complex care (including special care units).

- 28 weeks (September to March)
- 28 graduation credits
- Vancouver Community College

Additional information and application form can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca/ → Our Programs → Healthcare Assistant

Application Due Date: November 30

YOUTH WORK IN TRADES - Apprenticeship

Students with the skills and connections can start an apprenticeship in high school. Students who are already working in an apprenticeable trade can formalize the apprenticeship relationship with their employer. There are 4 courses (16 credits) available to these students when they have a formal ITA agreement arranged through the VSB District Apprenticeship Facilitator. Information and application forms are available on the VSB website: careerprograms.vsb.bc.ca/ → Our Programs → Youth WORK in Trades

SCHOOL-BASED PROGRAMS:

FASHION DESIGN AND TECHNOLOGY – ERIC HAMBER SECONDARY

Students will enhance their construction skills; study history of costume, fashion merchandising; practice tailoring techniques and pattern drafting. Basic computer assisted design and fashion illustration will be practiced. In year 2, students will complete the graduation collection and portfolio needed for post-secondary entrance. Students may have the opportunity to participate in dual credit opportunities with a Fashion Design Program at a local post-secondary institute.

- Two-year cohort program: grade 11 & 12

Additional information and application form can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca/ → Our Programs → Fashion Design & Technology

IT AND CISCO NETWORKING PROGRAM – KILLARNEY SECONDARY

Students will diversify and enhance their computer knowledge by building a computer, installing software and connecting the computer to networks and to the internet.

- Semester 2
- One-year cohort program, up to 12 credits
- Hands-on, laboratory courses
- Prepare for industry-recognized certification

Additional information and application form can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca/ → Our Programs → CISCO

Application Due Date: March 1

TUPPER TECH - SKILLED TRADES PROGRAM AT SIR CHARLES TUPPER SECONDARY

Designed for academic and career-focused Grade 12 students wishing to pursue an apprenticeship.

A program for students who are not sure which trade is right for them

- Semester 2
- 24 graduation credits
- Grade 12 program

For more information on Tupper's program, contact Mr. R. Evans (rtevans@vsb.bc.ca) or visit our Program website: careerprograms.vsb.bc.ca/ → Our Programs → Tupper Tech

Application Due Date: March 1

ENHANCED TRADES – KILLARNEY SECONDARY

A program designed as an introduction to a variety of trades courses which include Automotive Technology 11, Drafting 11, Metalwork 11 and Carpentry & Joinery 11.

- Semester 2
- 12 to 16 credits
- Grade 11 program

Additional information and application form can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca/ → Our Programs → Enhanced Trades

Application Due Date: March 1