Abbotsford Traditional School

Course Planning Guide (Grades 9-12)

2026 - 2027

Contact Information

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Vice Principal	Mrs. Mennear
Vice Principal	Ms. McAulay

Office Staff

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Accounts	Mrs. Jones
Admin Asst.	Ms. Bhullar
Admin Asst.	Ms. Leader

Counsellor Mr. Hawkins

Head of Departments

Athletics	Mr. Mahil
Fine Arts & Applied Skills	Mr. Spiers
Humanities	Ms. Irwin Hopaluk
Mathematics	Mr. Van Dyk
Sciences	Mr. Currie
Student Services	Mrs. Thathar

AP Courses Contact Mrs. Mennear

Athletic Director Mr. Mahil

"Our mission is to provide a dynamic learning environment that encourages students to discover and embrace their potential as responsible, productive, successful individuals within the global community.

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Principal's Message

Dear Students of ATS:

Welcome to course planning for Abbotsford Traditional School. Our course calendar will provide some guidance for you as you attempt to understand and select the courses you would like. This will prepare you for the next step after high school, whether it be to university, college, a trade school such as BCIT or to the workplace.

It is not easy to select all the right courses by yourself. This course selection guide will help you in this decision. In addition, we strongly encourage you to seek out others who can assist you in making this decision. We have counsellors, administrators, and teachers who are here and have a good understanding of the courses and what may be needed to get to where you want to go. Also, it is critical that you have a discussion with your parents. They are an important part of your decision-making process.

As you progress through your grades you will find that you will experience more electives or courses that you can choose from as you get into higher grades. It is important for you to have some idea and better yet, a clear idea of what you would like to do after you graduate from high school. This will assist you greatly in knowing which courses to choose as your electives. Try to avoid the temptation of simply choosing courses based on what your friends are choosing. You will find that often your interests may well be very different from theirs.

It is important here at ATS that you have a well-balanced and diverse education as much as we can accommodate. In the interests of expanding your education experience while you are at ATS, we do require that all students take a full load of courses and electives. It is our hope that this will help in addressing the national concern of growing inactivity, declining fitness rates and increasing diabetes rates amongst our youth.

The graduation program begins in Gr. 10 and goes through to graduation in Gr. 12. If you are not sure about what is needed for your next step after graduation, make sure you meet with the counsellor. Mr. Hawkins is here to help you with your selections. Remember, you should consider keeping your options open as you move to final graduation.

Dr. Singh
Principal ATS

HELPFUL TIPS

Course planning directly affects students' high school graduation, career pathways and post-secondary admission and should be done with thought and care.

Use this as a guide to make informed decisions and to plan the direction you will take in planning your future. Students in the Graduation Program need to plan their courses with career and or post-secondary programs in mind. If students are in doubt about future academic and/or career direction, they should choose courses that allow them as many options as possible. As you go through the program planning process, there are several things we encourage you to think about. Please consider these points:

BUILD ON YOUR STRENGTHS
Make sure you are doing the best that you can do in your current courses so that you build a strong foundation of knowledge and skills for future courses.
• Acknowledge your strengths and limitations. Choose courses that will allow you to accomplish your academic goals as well as develop your personal interests.

CHOOSE YOUR COURSES WISELY AND CAREFULLY
• Talk to your teachers, family, friends and counsellor regarding courses you are interested in.
• Seriously think about where you want to be 2–3 years from now and make sure you have done your best to be prepared.
• Review Prerequisites for: specific courses of study, BC Dogwood graduation requirements, and admission requirements for post-secondary programs. Although it is important to have as many options as possible, a student's program should be realistic and based on their abilities and interests.

TRY SOMETHING NEW
• Choose an elective that might open a whole new world to you.
• Use high school as an opportunity to expand your interests and build your potential as a well-rounded person.
• Have balance in your life. You can't study all the time, nor can you have fun all the time.

Course planning information is available on our website at:

www.ATS.abbyschools.ca - click on "Students" then "Student Services".

Students are encouraged to become actively involved in school activities outside of their scheduled classes. Participation in programs such as athletics, music, drama, etc. contribute to a well-rounded and dynamic school experience.

Course Changes
After each semester starts students have one week to apply for course changes. Every effort will be made to accommodate course change requests. Changes are dependent on space availability in classes, prerequisites and timetable restrictions.

Your COUNSELLOR, TEACHERS, VICE-PRINCIPAL and PRINCIPAL are available to speak with you for guidance.

Check out what Courses you need for University Admission
Go to www.ATS.abbyschools.ca– click on "Students" then "Student services" – click on "Post- Secondary Planning".

Check out Career Planning Tools
Go to www.ATS.abbyschools.ca - click on "Students" then "Student Services" – click on "Careers".

It is the responsibility of each student to ensure their course selection meets all British Columbia graduation requirements and the entrance requirements to their post-secondary program or institution of choice.

What Do You Need to Graduate?

Dogwood Diploma

The B.C. Certificate of Graduation or "Dogwood Diploma" is awarded to students who successfully complete the provincial graduation requirements.

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
- Effective July 1, 2023: At least 4 credits must have an Indigenous-focus (see Indigenous-Focused Graduation Requirements - Province of British Columbia (gov.bc.ca) for additional information)
- 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)
    - A Language Arts 10, 11 and a required 12 (12 credits total)
    - An Arts Education 10, 11, or 12 and/or an Applied Design, Skills and Technologies 10, 11, or 12 (4 credits total)

In addition, students must also complete three graduation assessments:

- The Grade 10 Numeracy Assessment
- The Grade 10 Literacy Assessment
- The Grade 12 Literacy Assessment

NOTES

- Your DECISIONS NOW can greatly influence your future opportunities. It is the responsibility of each student to ensure that they complete the appropriate sequence of courses leading to graduation and that they meet the entrance requirements of the post-secondary institution of their choice.
- Students in Grade 12 who fail courses in the first semester, therefore not meeting ministry graduation requirements, may be removed from the graduation list. They will be able to participate in all graduation functions, excluding convocation. It is the responsibility of each student to ensure their course selection meets all British Columbia graduation requirements and the entrance requirements to their post-secondary program or institution of choice.

FAQ'S

Can I select a Learning Assistance (LA) Block?
No. If you are struggling in an academic course and need one of these support blocks you will have to drop another course and be placed into an LA block. This is done with consultation between your teacher, LA teachers, and your counselor. The LA block is a non-credit block of time.

Can I choose an Academic Study Block?
Students who are taking two or more Advanced Placement courses are eligible to take either one linear study block (backed with an AP course) OR a study block in either semester 1 or 2. Students must choose a complete course load and then indicate in "Notes for Counsellor" section the name of a course that you like to take if you cannot get into a study block. Admin/Counselling will confirm your study block after reviewing your academic standing for graduation, your Grade 11 course marks, attendance patterns and behavior.

I think I might fail a course. What grade should I sign up for?
Firstly, think positively. With help you may have time to pass the course you are concerned about. Plan on passing and sign up for the next grade level. If you ultimately fail the course, your course selection will be adjusted in the summer after your final report.

Do I have to take a second language every year?
In grades 9 through 12, students may choose to take a second language (French or Punjabi) as one of their electives. While it is not required that students take a second language after grade 8 to graduate, there are many reasons why students do choose to study a second language. Some of the benefits of learning a Second Language are: the promotion of greater flexibility in thinking; the development of problem-solving skills; increased creativity, increased communication skills in both the target and native language; a greater cultural awareness, understanding and empathy for other cultures and an increased understanding of one's own language and culture. On a more practical level, the life skill of being able to speak a Second Language increases job and travel opportunities.

How do I Choose a Peer Tutoring 12 class?
Students must choose a complete course load, which includes Peer Tutoring 12. If you choose Peer Tutoring 12, please put in the "Notes for Counsellor" section the name of a course that you like to take if you cannot get into Peer Tutoring 12. Students are expected to reach out to teachers to be their sponsors for their Peer Tutoring 12 class once the year starts.

How and when do I let the school know that I plan to take an On-line course?

- You are required to let the counselor or counseling office know prior to taking an On-line course.
- Please email: Bridgette.Clarke@abbyschools.ca to let us know.

How and when do I let the school know that I plan to take a Summers School course?

- You are required to let the counselor or counseling office know prior to taking a Summer School course. Please email: Bridgette.Clarke@abbyschools.ca to let us know.

To help with ATS offering the courses that students are interested in, we need to plan as carefully as possible. On-line courses through AVS and SAIL are great options. However, when students complete these courses, enrolment in our face-to-face classes drop, sometimes to where we can no longer offer certain courses. To help ATS plan our courses better, please let our counsellor know **all** the courses that you plan on taking in the upcoming 12 months.

Reminder: On-line courses are taken in addition to a full course load.

STUDENT SERVICES

COUNSELLING
Our counsellor (Mr. Hawkins) is available to help you in a variety of ways, including academic planning and support, personal problem solving, relationships with friends and family, career/post- secondary planning and referral to community resources.

CAREER CENTRE
Planning for your future is usually a difficult task, but an important one. The Career Centre is a good place to find information, ideas and resource materials. Students are welcome to visit in the Counselling/Career office before school, at lunchtime or after school any day.

LEARNING ASSISTANCE CENTRE
All people learn at different rates. If you find you need a little extra help, or time, the Learning Centre may be the place for you. Here you can receive the extra help you may need to improve your organizational and study skills as well as to improve your ability in the areas of literacy and numeracy.

ENGLISH LANGUAGE LEARNERS (ELL)
Some of our students are new to Canada, and English is not their first language of communication. The ELL program helps students with varying degrees of English Language ability to learn the language and become successful students at our school. **A total of 5 years of ELL support is available to students during their elementary and high school years**.

COURSE PLANNING
For information on course planning, please go to www.ATS@abbyschools.ca and click on "Students" then "Student services" and then "Course Planning". Click on your grade level button to see your course planning sheet.

For all other information visit "Student Services" at www.ATS@abbyschools.ca **under "Students".**

Your Courses and Provincial Exams

Provincially Authorized Courses:
- Curriculum is consistent throughout British Columbia

Board Authorized (BAA) Courses (Locally Developed):
- Curriculum is developed locally by the school and School Board
- All students write a school-based exam
- Can be offered at the 10, 11, or 12 level

Course Grading Scale
"A" = 86-100
"B" = 73-85
"C+" = 67-72
"C" = 60-66
"C-" = 50-59

Provincial Exams or Graduation Assessments
- Literacy 10 Assessment written in Grade 10.
- Numeracy 10 Assessment written in Grade 10.
- Literacy 12 Assessment written in Grade 12.

ADVANCED PLACEMENT COURSES

What is Advanced Placement?

The Advanced Placement Program® enables students to take university-level courses and exams while they're still in Secondary School. Through AP courses, students learn to think critically, construct solid arguments, and see many sides of issues that prepare them for college and beyond. The National exam given at the end of the school year (May) is a measurement of your acquired knowledge in the subject area. However, the exam has bearing only for post-secondary credit and does not impact your school grade. Passing the AP exam with a score of 3 or higher on a 5-point scale earns college credit that your child may transfer to a university accepting AP credit. Not all universities accept AP credit, or they may require higher than a 3 for credit. Please check with your child's choice of university to review their policy.

The cost to students for each AP exam they take is $130.00 for exams ordered by October 31st, and $165.00 per exam ordered between November 1st and March 1st. To facilitate a smooth collection of funds and ensure accurate ordering of exams for those taking them, payment must be made in your School Cash Account prior to the above order dates. If your child should opt not to take the AP exam after orders have been placed, they will incur a $55.00 AP College Board cancellation fee per exam. The remaining balance of your payment will be returned to you.

What are the Advantages of Advanced Placement?

You choose! Students can take one AP class or several - it's your choice!

Challenge! By taking AP courses in high school, you will experience the challenge, rigor and depth of college level courses while still in Secondary School. AP courses are an impressive addition to university and scholarship applications.

Preparation! You will learn what college level courses are like and develop the skills necessary to be successful in college or university.

"College entrance exams reveal that young people who take challenging classes, such as Advanced Placement courses, perform better than their peers regardless of their family or financial background." Rod Paige, U.S. Secretary of Education

University and College Recognition! Students with a "qualifying grade" (3+) can earn either credit or advanced placement at over 4,000 colleges and universities worldwide. Students who are successful in three or more courses are granted an ***AP Scholar Award***, which appears on their AP transcript.

The following AP courses are offered at ATS:

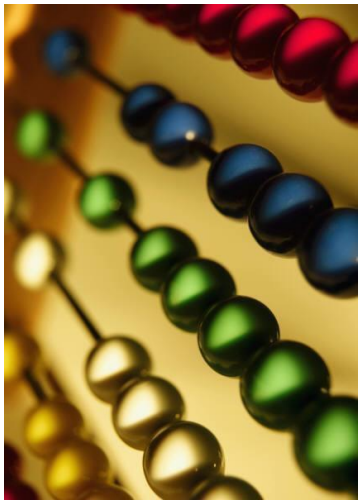
- AP Calculus AB
- AP English Literature & Composition
- AP Chemistry
- AP Psychology 12

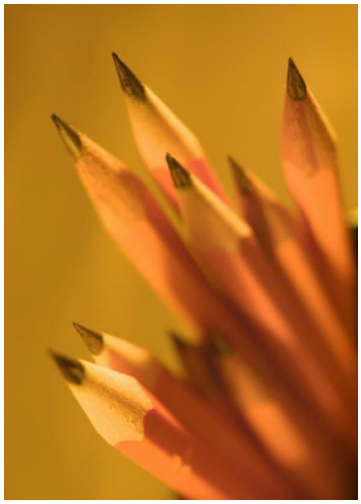
COURSE

DESCRIPTIONS

GRADES

9 - 12





Language Arts

Quick Reference English

- English 9
- Literary Studies 10
- Composition 10
- Literary Studies 11
- English Studies 12

English Pre-AP (Advanced Placement)

- Literary Studies 11 Pre-AP
- English 12 AP Composition & Literature

ENGLISH 9

In English 9 students will further develop their language skills as they read novels, short stories, poetry and various forms of media communications. Through these explorations students will:

- evaluate literary techniques including figurative language.
- interpret and report on information.
- identify and explain connections between what they read, hear, view and their personal ideas and beliefs.
- locate and assess the effectiveness of a variety of persuasive techniques.
- locate, access and select information from a variety of resources.
- create a variety of personal literary, technical and academic communications.
- interact purposefully, confidently and appropriately in a variety of situations.
- demonstrate confidence in using language in a variety of contexts.

LITERARY STUDIES 10

Prerequisite: English 9

Literature and language express the thoughts and beliefs of individuals, as well as societies. Exploring this reality is one of the central focuses in this class. Students will study language through novels, poetry, short stories and various media and communication forms. Through these explorations students will:

- locate and interpret examples of literary techniques.
- identify and explain connections between what they read, hear, view, and their personal ideas and beliefs.
- appraise communication forms critically, using a knowledge of communications rules.
- organize ideas, adjust style, form and revise and edit their own and other communications for greater effectiveness.
- create a variety of academic, technical and personal communications.
- interact purposefully, confidently and respectfully in a variety of situations.

COMPOSITION 10

Prerequisite: English 9

Composition 10 is designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling. The course builds students' writing competencies by introducing them to varied structures, forms, and styles of compositions. Students have opportunities to:

- create and write literary responses.
- create and write original pieces.
- explore audience and purpose.
- develop their craft through processes of drafting, reflecting and revising.

LITERARY STUDIES 11

Prerequisite: Literary Studies 10 AND Composition 10

Literary Studies 11 offers students the opportunity to more deeply explore central themes, ideas and beliefs conveyed through literature and other forms of writing. Students will be reading a novel, a Shakespearean play, short stories, poetry, and other forms of written communications.

As students engage with these forms of written language, they will:

- explain the effects of a variety of literary techniques and devices.
- make connections between the ideas and information presented in literary and mass media works and their own experiences.
- apply various strategies to generate and shape ideas constructively.
- assess their own and others work, and willingly accept others constructive feedback.
- create a variety of academic, technical and personal communications.
- demonstrate an understanding of the main ideas or themes in complex works, as well as interpret details and subtleties.
- use appropriate formats and documentation to present information.

Each student will write essays, a research paper and will complete projects and daily assignments. Students will participate in group and individual presentations and debates.

LITERARY STUDIES 11 Pre-AP

Prerequisite: "80%" or better in Literary Studies 10 and Composition 10, Highest 30 Marks, Teacher Recommendation.

Literary Studies 11 Pre-AP will prepare students for the challenging Advanced Placement which covers college-level course work. Students who pursue this English stream and have success on the AP Exam at the end of Grade 12 may result in college credit for first year English. **As a result of the expectation of more challenging rigor as required in our Pre AP program and due to the inability to recognize this in the current reporting structure, the final mark will be bumped up by 5%.**

ENGLISH STUDIES 12

Prerequisite: Literary Studies 11

In English Studies 12 students will develop knowledge, understanding and appreciation of language, literature and various media forms, and will increase their skills in writing paragraphs and essays. The goal of the course is to help students develop critical and creative thinking skills and to prepare them for post-secondary schooling.

Among other skills, students will be expected to:

- master basic research skills, such as outlining, paraphrasing and citing sources.
- work effectively in group and individual situations for sustained periods of time.
- write fluently using various sentence structures, descriptive language and their experiences, as well as modeling from literature.
- apply the written conventions of English using correct grammar and be able to correct their own sentence structure faults.
- write using a variety of methods, such as narratives, reports, technical writing, persuasive works, descriptive pieces and poetry.
- know figures of speech and use higher levels of critical thinking when reading (e.g. identifying contrasts, making inferences, identifying values and opinions, discerning bias).

ENGLISH STUDIES 12 AP COMPOSITION & LITERATURE

Prerequisite: "80%" or better in English 11 Pre-AP, Highest 30 Marks, Teacher Recommendation.

This course meets the Grade 12 English requirement for graduation. The Advanced Placement program is a challenging and rigorous program with college-level course work. Success on the AP Exam may result in college credit for first year English.

MODERN LANGUAGES

Quick Reference

- French 9
- French 10
- French 11
- French 12

- Punjabi 9
- Punjabi 10
- Punjabi 11

FRENCH 9

Prerequisite: French 8

In French 9, students will continue to develop and build communication skills and vocabulary previously learned in French 5-8. This course strives to increase students' vocabulary, oral and written skills through a variety of interactive activities and projects using the comprehensible input method. Topics include commonly used vocabulary and sentence structures for: asking questions, describing people and interests, comparing and contrasting, sharing opinions and stories and learning about Francophone cultures. Students learn how to communicate in French in the present past and future. Students are expected and encouraged to communicate regularly in French and are assessed on: oral and written communication as well as reading and listening comprehension.

FRENCH 10

Prerequisite: "60% (C)" or better in French 9

In French 10, students will continue to develop and build communication skills and vocabulary previously learned in French 9. This course strives to increase students' vocabulary, oral and written skills through a variety of interactive activities and projects using the comprehensible input method. Topics include an increasing range of commonly used vocabulary and sentence structures for: asking questions, sequencing of events, expressing degrees of likes and dislikes, hopes, dreams, desires and ambitions, discussion opinions about familiar topics and learning about Francophone cultures.
Students learn how to communicate in French in the present, past and future to discuss elements of texts, common elements of stories and idiomatic expressions. Students are expected and encouraged to communicate regularly in French and are assessed on: oral and written communication as well as reading and listening comprehension.

FRENCH 11

Prerequisite: "60% (C)" or better in French 10

In French 11, students will continue to develop and build communication skills and vocabulary previously learned in French 10. This course strives to increase students' vocabulary, oral and written skills through a variety of interactive activities and projects using the comprehensible input method. Topics include an increasing range of commonly used vocabulary and sentence structures for: asking questions, sequencing of events, making predictions, discussing personal experiences and opinions, comparing, and contrasting as well as learning about Francophone cultures. Students learn how to communicate in French in the present past and future to discuss a variety of texts, register and

language etiquette, idiomatic expressions, and ethics of cultural appropriation. Students are expected and encouraged to communicate regularly in French and are assessed on: oral and written communication as well as reading and listening comprehension.

FRENCH 12

Prerequisite: "60% (C)" or better in French 11

In French 12 students continue to expand oral and written communication and listening and reading comprehension. They will attain greater fluency by participating in a variety of activities such as extended discussions, presentations and group dialogues, by reading short works of French literature and magazine articles and by writing letters, journal responses and short compositions. Themes of study may include travel and tourism, customs and traditions, world issues, relationships, health, art, music and media, science and technology. Students also study the classic French novel *Le Petit Prince.* Assessment is based on oral communication, visual interpretation, reading comprehension, and written production abilities. This course will be conducted in French and students will be working toward achieving the equivalent level of DELF A2/B1.

Punjabi 9 & 10 &11

Students will learn to read, write, and speak in Punjabi in an interactive and supportive environment. They will also explore Punjabi culture, traditions, and history through engaging activities.

Social Sciences

Quick Reference

- **Social Studies 9** - **Psychology 11** - **Law Studies 12**
- **Social Studies 10** - **Psychology 12** - **Cont. Indigenous Studies 12**
- **Explorations of Social Studies 11** - **Psychology 12 AP**

SOCIAL STUDIES 9

Prerequisite: Social Studies 8

Social Studies 9 students will be studying civilizations in Europe and North America from 1750-1919. They will explore society and culture, politics and law, economy and technology, and the environment.

As well as other learning outcomes, students will:

- plan, revise and deliver formal oral and written presentations.
- analyze the relationship between Aboriginal people and Europeans and explain the role of each in the development of Canada.
- investigate the roots of Canada's political and legal systems.
- assess how economic systems contributed to the development of early Canada.
- construct, interpret and use graphs, tables, grids, scales, legends, contours and various types of maps.
- describe and compare North America's diverse geographical regions.
- students will convey knowledge and understanding through group and individual projects, essays, verbal and written reports and other daily assignments.

SOCIAL STUDIES 10

Prerequisite: Social Studies 9

Social Studies 10 students will be studying Canada and the world from 1919 to present. They will explore society and culture, politics and law, economy and technology and the environment.

Among other learning outcomes, students will:

- plan, revise and deliver formal presentations that integrate a variety of primary and secondary sources and media.
- analyze the influencing factors in Canadian society of French, Indigenous and British people.
- analyze political, economic, social and geographical factors that led to Confederation.
- explain the fundamental nature of the British North America Act in terms of the division of powers between the federal and provincial governments.
- identify factors that contribute to the economy of British Columbia.
- analyze how geography influenced the economic, historical and cultural development of western Canada.
- Students will convey knowledge and understanding through group and individual projects, essays, verbal reports, written reports and other daily assignments.

CONTEMPORARY INDIGENOUS STUDIES 12 (Meets the First Nations Course & Socials 11/12 Grad Requirement) - CIS is ALSO an approved Grade 12 University Course
Prerequisite: "50% (C-)" in Socials 10
Contemporary Indigenous Studies 12 focuses on the varied identities and worldviews of indigenous peoples, and the importance of respecting indigenous peoples' rights to self-determination and freedom from discrimination. It will include an exploration of factors that sustain and challenge indigenous peoples around the world, including building an understanding of colonial impacts on, and the resilience and survival of, indigenous peoples around the globe.
This course also examines the responses to inequities in the relationships of indigenous peoples with governments in Canada and worldwide. Students will have the opportunity to develop an understanding of the Truth and Reconciliation process in Canada and around the world. Inquiry will enrich student engagement, understanding, and skill development. This course will prepare students for college- or university-level study by honing their academic writing and critical thinking skills.
*A new Graduation requires students to take a First Nations-themed course, CIS 12 meets this requirement, as well as the "Socials 11/12" Grad Requirement.

LAW STUDIES 12 (Meets the Socials 11/12 Grad Requirement)
Prerequisite: "60% (C)" or better in Socials 10 or Social Studies 11
LAW12 is an approved Grade 12 University Course
Law Studies 12 explores how Canada's legal system works in both theory and practice. Students examine how laws are created, interpreted, and enforced, with an emphasis on legal reasoning, evidence, and individual rights and responsibilities. Through case studies, structured debates, analysis of true crime documentaries and legal films, and discussion of real and contemporary legal issues, students develop critical thinking and communication skills while learning to construct clear, evidence-based legal arguments.
The course covers constitutional and human rights, criminal law and youth justice, police powers, rules of evidence, and the rights of the accused, as well as civil law topics such as negligence and torts, contracts and employment law, family law, consumer rights, and environmental law. Learning culminates in a student-led mock trial that allows students to apply legal knowledge, courtroom roles, and argumentation skills in a realistic legal simulation. By the end of Law Studies 12, students will better understand their legal rights and responsibilities and be prepared to engage thoughtfully with legal issues in Canadian society.

PSYCHOLOGY 11
Prerequisite: None
Psychology 11 is an introductory course into the scientific study of behavior and mental processes. Topics are directed to the more science-related psychology units of research, statistics, biological bases of behavior, learning, memory, language, sensation, perception, thinking, intelligence and motivation. Successful completion of Psychology 11 will prepare the student for entry into AP Psychology 12.

PSYCHOLOGY 12

Prerequisite: None

The Psychology 12 course focuses on the study of human behavior and mental processes through lifespan. Topics include the history of psychology, research methodology, the biological bases of behavior, development, emotion, stress, psychological disorders, treatment, social psychology, positive psychology, and mental health.
Active classroom participation and an extensive amount of reading and writing are required. An independent active research project is also part of the course.

PSYCHOLOGY 12 AP

Prerequisite: "80%" in Psychology 11, Teacher Recommendation, & Highest 30 Marks.

Psychology 12 AP is an introductory course into the scientific study of behavior and mental processes. The course is designed to provide students with a basic level of understanding of psychological principles in addition to an examination of classical experiments and often cited researchers within the field of psychology. Active classroom participation is required, and an extensive amount of reading and writing are mandatory parts of the course. Topics include the history of psychology, research methodology, statistics, biological bases of behavior, learning, memory, language, sensation, perception, thinking, intelligence, motivation, emotion, lifespan development, psychological disorders, treatment, and social psychology.

May be taken concurrently with Psychology 12 for a total of 8 credits.
College or university credit may be granted based on the results of the AP Psychology exam written in May.

Explorations of Social Studies 11

Prerequisite: Social Studies 10

Explorations in Social Studies 11 is all about helping students become thoughtful and active citizens who understand the world around them. Through a mix of history, geography, politics, social justice, and philosophy, students will dive into big questions about the past, present, and future. The course is split into four modules, offering a chance to explore topics like democracy, cultural diversity, global challenges, and the connections between people and places. Among other learning outcomes, students will be expected to:

- Build skills in critical thinking, effective communication, and navigating the digital world.
- Understanding perspectives, making connections, and preparing to make a difference in the world.
- Understanding how political decisions are made is critical to being an informed and engaged citizen
- Social justice initiatives can transform individuals and systems
- Allow people to question their assumptions and better understand their own beliefs
- Explore how geography influences societies, cultures, and global challenges.

MATHEMATICS

Quick Reference

- **Math 9**
- **Math 10 Foundations & Pre-calculus 10**
- **Math 11 – Workplace 11**
- **Math 11 – Foundations 11**
- **Math 11 – Pre-calculus 11**
- **Math 11 – Pre-calculus 11 Pre AP**
- **Math 12 – Foundations 12**
- **Math 12 – Pre-calculus 12**
- **Calculus 12**
- **Math 12/Pre-calculus 12 Pre AP/ Calculus 12 AP**

MATHEMATICS 9

Prerequisite: Mathematics 8

The foundations of Mathematics 9 curriculum will provide all students with the opportunity to develop the knowledge, skills, and attitudes required for further math courses (pre-calculus 10 in particular). There is a focus on curricular competencies of critical and creative thinking, collaboration, personal and social responsibility. Topics will include, but are not limited to number sense, capacity, polynomials operations, algebra, linear patterns and Cartesian coordinate system. A scientific calculator is required.

MATHEMATICS 10 – FOUNDATIONS & PRE-CALCULUS 10

Prerequisite: "60% (C)" or better in Mathematics 9

Mathematics 10 - Foundations & Pre-Calculus 10 curriculum will provide all students with the opportunity to develop the knowledge, skills, and attitudes required for further math courses (Pre-calculus 11 in particular). There is a focus on curricular competencies of critical and creative thinking, collaboration, personal and social responsibility. Topics will include, but are not limited to number sense, polynomials operations, algebra, systems of equations, functions and trigonometry. A scientific calculator is required.

MATHEMATICS 11 – WORKPLACE 11

Prerequisite: "50%" in Workplace Math 10

Mathematics 11- Workplace 11 curriculum will provide all students with the opportunity to develop the knowledge, skills, and attitudes required for successful entry into the workplace and the necessary graduation mathematics credit. This course is for students who wish to start full-time employment immediately after graduation, do not plan to take science focused, post-secondary education, or find pre-calculus to be challenging. There is a focus on curricular competencies of critical and creative thinking, collaboration, personal and social responsibility. Teaching and learning is based on collaborative instruction, personal work ethic, basic numeracy skills, the mathematics of personal finances and is project oriented. Workplace 11 satisfies the mathematics entrance requirements to some university and college programs in the trades & arts. It is each student's responsibility to investigate the requirements of any post-secondary program they wish to pursue, to ensure that this stream of math meets their entrance requirements.

MATHEMATICS 11 – FOUNDATIONS 11

Prerequisite: "60% (C)" or better in Foundations & Pre-Calculus 10

Mathematics 11 – Foundations 11 is an academic course. This pathway is designed to provide students with mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. It is recommended that students purchase a graphing calculator. Graphing calculators will be provided for students but for in-class use only. It is each student's responsibility to investigate the requirements of any postsecondary program they may wish to pursue prior to selecting their pathway.

Units of Study:

- Measurement
- Geometry
- Logical Reasoning
- Statistics
- Relations and Functions
- Graphing Solving
- Finance

MATHEMATICS 11 – PRE-CALCULUS 11

Prerequisite: "80% (B+)" or better in Mathematics 10 - Foundations & Pre-Calculus

Mathematics 11 – Pre-calculus is an academic course. This pathway is designed to provide students with mathematical understandings and critical-thinking skills identified for post-secondary studies that require students to take a math class (Calculus). It is each student's responsibility to investigate the requirements of any post-secondary program they may wish to pursue prior to selecting their pathway.

Units of Study:

- Algebra and Numbers
- Trigonometry
- Polynomials
- Quadratics
- Relations and Functions
- Inequalities
- Sequences and Series

MATHEMATICS 11 – PRE-CALCULUS 11 Pre-AP

Prerequisite: "86%" or better in Pre-Calculus 10, teacher recommendation, &/or highest 30 students.

Mathematics 11 – Pre-calculus 11 Pre-AP course includes the same topics as Pre-calculus 11 (above) but is an honors' course that prepares students for Pre-Calculus 12 Pre AP/ Calculus 12 AP (which is a double credit, full year program). This course must be taken in the Grade 11 Year. **As a result of the expectation of more challenging rigor is required in our Pre AP-program, the final mark will be raised by 5%**

MATHEMATICS 12 – Foundations 12

Prerequisite: "67%" or better in Foundations 11 or Pre-Calculus 11 at "50%"

Mathematics 12 – Foundations 12 is an academic course. This pathway is designed to provide students with mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. It is recommended that students purchase a graphing calculator. You will need your own calculator for in-class work and homework.

Units of Study:

- Geometric constructions
- Graphic solving
- Combinatorics
- Odds/Probability
- Regression
- Finance

MATHEMATICS 12 – PRE-CALCULUS 12

Prerequisite: "73%" or better in Pre-Calculus 11

This is an academic course. Designed for students who have an interest in mathematics, or who have career aspirations in the fields of engineering, mathematics, the sciences, economics. The main purpose is to develop the skills needed to continue with the study of calculus. This course relies heavily on topics covered in previous grades. It is strongly suggested that students with less than 73% in Pre-Calculus 11 discuss their course selection carefully with their teacher. Success is often a combination of good prerequisite skills along with good attendance and strong work habits.

Units of Study:

- Polynomial Functions
- Trigonometric Functions
- Logarithms
- Transformations
- Trigonometric Proofs
- Sequences and Series

CALCULUS 12

Prerequisite:" 80%" or better in Pre-Calculus 12 or Pre-Calculus 12 Pre-AP

Calculus 12 is an elective course that builds on the knowledge gained in Pre-calculus 12 and prepares students for the rigors of post-secondary calculus. The course includes the study of Functions, Graphs, and Limits, The Derivative, Applications of Derivatives, and Anti-differentiation. Calculus 12 will be offered in second semester because Pre-calculus 12 is the prerequisite. Students must take Pre-calculus 12 in the first semester, at summer school, or in their grade 11 year to take Calculus 12. Students taking this course will not receive credit for first year calculus at a post-secondary institute but will be leg-up on their peers taking first year calculus at university or college.

MATHEMATICS 12 – PRE-CALCULUS 12 Pre-AP / CALCULUS 12 AP

Prerequisite: "86%" or better in Pre-Calculus 11 Pre-AP, Pre-Calculus 11 teacher recommendation, &/or highest 30 students.

This course combines Pre-calculus 12 and Calculus 12 AP. Pre-calculus 12 AP includes the same topics as Pre-calculus 12 above but is an honors course that prepares students for Calculus 12 AP. Because of the more challenging content, greater rigor as required in our Pre AP-program, and therefore the final mark will be raised by 5%. AP Calculus is a university level course in mathematics. It consists of a rigorous treatment of the two branches of Calculus: differential and integral. The Calculus 12 curriculum (differential calculus only) is embedded within the AP Calculus curriculum. Successful completion of AP will result in credit for both Calculus 12 and AP Calculus AB (Total of 8 Credits). Topics include limits, derivatives and their applications, integrals and their applications, Riemann Sums, and solids of revolution. The course is September to June as the AP exam is in May. Successful completion of Pre-AP & AP will result in credit for Pre-calculus 12, Calculus 12 and AP Calculus AB for a total of 12 credits. College or university credit may be granted based on the results of the AP Calculus exam.

SCIENCES

Quick Reference

Science 9	Science 10	Science 11	Science 12
•Science 9	•Science 10	•Life Sciences 11 (Biology 11) •Chemistry 11 •Chemistry 11 Pre-AP •Earth Science 11 •Physics 11 •Physics 11 AP1 •Environmental Science 11 •Science for Citizens 11	•Anatomy & Physiology 12 (Biology 12) •Chemistry 12 •Chemistry 12 AP •Physics 12 •Physics 12 AP2

SCIENCE 9:

Science 9 is a continuation of Science 8 with the concepts discovered through exploration and activities. The students will study the physical units in a laboratory setting. The major topics include Biology - cell function and reproduction; Chemistry - atomic theory, naming and writing formulas for compounds; Physics – electricity; Earth Science – sustainability, energy and matter cycles.

SCIENCE 10

Prerequisite: Science 9

Science 10 is the culmination of the junior science program. The units include Chemistry – energy involved in chemical reactions, classifying types of compounds and reactions; Biology – DNA, genetics and natural selection; Physics – energy transformation; Earth Science – formation of the universe and technology used to understand the universe.

LIFE SCIENCES 11 (Biology 11)

Prerequisite: "60% (C)" or better in Science 10

The Life Sciences 11 (Biology 11) course is an exciting look into the evolution, ecology and diversity of life. Students will explore the microscopic world of bacteria, algae, plants, fungi, invertebrates and even selected vertebrates. There are several hands-on experiences over the course of the year, including bacteria cultures, DNA isolation and a dissection. Assessment is broad-based and includes assignments, lab activities and tests. prerequisite of 60% in science 10.

CHEMISTRY 11

Prerequisite: "60% (C)" or better in Science 10 & Rec. "60% (C)" in FMP 10.

Chemistry 11 is an introductory course laying the foundation for later studies in Chemistry. It is an exploratory course, touching upon many topics within the broad field of Chemistry. Laboratory work is used to develop major concepts, and the lecture material involves both reasoning and problem solving. Major topics include the nature of matter and the atomic model, chemical reactions, and Stoichiometry - predicting quantities involved in chemical reaction.

CHEMISTRY 11 Pre-AP

Prerequisite: "80%" in Science 10, Highest 30 Marks, Teacher Recommendation.

Chemistry 11 Pre-AP is designed to prepare students for Chemistry 12 AP. The course will cover topics more in depth and at a faster pace than Chemistry 11, providing students with a challenging experience. Topics include matter, structure and periodicity of atoms, chemical bonding, phases of matter and solutions, organic chemistry, and nuclear chemistry. The course will concentrate on problem solving and a deeper understanding of scientific processes. Successful completion of Chemistry 11 Pre-AP will prepare students for Chemistry 12 AP. **"As a result of the enriched content and requirements of the course, students will have the opportunity to earn 5% on to their final mark."**

ANATOMY AND PHYSIOLOGY 12 (BIOLOGY 12)

Prerequisite: "60% (C)" or better in Biology 11 or "73% (B) in Science 10

Anatomy and Physiology 12 (Biology 12) furthers the concepts learned in Biology 11 by examining the functions of the human body. Students will explore cell biology and all the major body systems with an emphasis on the complex relationship between the system and how homeostasis is maintained. Microscope work, experimental design, creative assignments, laboratory activities and dissections will provide hands-on experience. Students may choose not to participate in dissections but will be required to complete an alternate assignment. There is a final exam in the course worth 20%. A prerequisite of 60% in Life Sciences 11 and/or 73% in science 10.

CHEMISTRY 12

Prerequisite: "60% (C)"" or better in Chemistry 11 & Rec. "60% (C)" in Pre-Calc 11

Chemistry 12 is intended to prepare students who are moving on to post-secondary and are interested in pursuing studies in the sciences. Chemistry 12 expands on the concepts of Chemistry 11 and focuses on developing an understanding of chemical reactions and applying the principles using calculations. Laboratory work is used to experience the major concepts and course material focus on application and problem solving. Major topics include kinetics, chemical equilibrium, solubility, acids and bases, and electrochemistry.

CHEMISTRY 12 AP

Prerequisite: "80%" or better in Chemistry 11 Pre-AP, Teacher Recommendation, & Highest 30 Marks.

Chemistry 12 AP is equivalent to a first-year post-secondary general chemistry course. The topics of gases and thermodynamics are covered in addition to advanced applications of the Chemistry 12 curriculum. Inquiry labs are emphasized as part of the AP curriculum so students will be spending a significant portion of time completing lab activities. The content, pace and required commitment will provide students with a challenging experience.

Chemistry 12 AP may be taken concurrently with Chemistry 12 for a total of 8 credits. College or university credit may be granted based on the results of the AP Chemistry exam written in May.

EARTH SCIENCE 11

Prerequisite: Science 10

Have you ever wondered why earthquakes and volcanoes happen in some parts of the world, and not others? Have you ever looked at the night sky and wondered why the moon looks different each night? Have you ever wondered how meteorologists predict the weather? If so, then Earth Science 11 is the course for you! Using tools such as interactive lab demonstrations, videos, models, and internet resources, students will investigate the following topics: Astronomy, Rocks & Minerals, Geologic Time, Earthquakes, Volcanoes & Plate Tectonics, Weather and the Atmosphere, The Water Cycle, Weathering and Erosion.

PHYSICS 11

Prerequisite: "60% (C)" or better in Science 10 & recommended "60% (C)" in FMP 10

Physics 11 is an introductory course that focuses on the principles and theories of physics. It encourages the investigation of physical relationships and illustrates these in both theory and practice. The application of physics to everyday situations is highlighted throughout the curriculum. Students are expected to use trigonometry, algebra and graphical analysis throughout the course. The following units have been chosen to represent the different fields of physics that will provide a solid base of skills and knowledge for further study: kinematics, dynamics, momentum, work, energy, power, oscillations, waves, sound, optics, and modern physics.

PHYSICS 11 AP 1

Prerequisite: "80%" or better in Science 10, Highest 30 Marks, Teacher Recommendation.

Physics 11 AP 1 will teach students Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, power and mechanical waves and sound. It will also introduce electric circuits. Successful completion of AP Physics 1 will prepare students for AP Physics 2.

AP Physics 1 may be taken concurrently with Physics 11 for a total of 8 credits. College or university credit may be granted based on the results of the AP Physics 1 exam.

Environmental Science 11 (MEVSC11)

Prerequisite: Science 10

Microplastics, climate change, garbage in the ocean, habitat degradation … Environmental issues are becoming increasingly relevant to all our lives. At its foundation, the course will be an exploration of ecology extending from material introduced in Science 9, including ecosystem relationships, food webs, cycles of matter, and Traditional Ecological Knowledge. Questions about ecosystems that will be investigated include: What makes ecosystems diverse? How do they change naturally? What kinds of changes happen because of human activity? How can humans get involved in environmental stewardship and in restoring ecosystems? This course will involve labs, hands-on activities, projects, and fieldwork and will help you understand what's happening on our ever-changing planet.

Foundation: Science 10

Science for Citizens 11 (MSCCT11)

Prerequisite: Science 10

This course takes a unique approach to science by exploring practical applications of scientific principles and evaluating the positive and negative effects of technology on society and the environment. Students will investigate advances in areas such as communication, energy, and resources, as well as health. In addition, the course will introduce concepts related to construction and structural design, as well as forensic science techniques used to analyze evidence and solve problems. Problem-solving will be emphasized, and evaluation will involve a combination of classroom activities and project-based work. This course fulfills the Science 11 requirement for graduation but does not meet some university entrance requirements.

Foundation: Science 10

Physics 12

Prerequisite: "60% (C)" or better in Physics 11

Physics 12 takes the concepts introduced in earlier courses and broadens their scope. The course challenges students to develop analytical problem-solving skills in two dimensions within the areas of kinematics, dynamics, energy and momentum, equilibrium, circular motion and gravitation, electrostatics, electric circuits and electromagnetism.

PHYSICAL & HEALTH EDUCATION

Quick Reference

- **Physical and Health Education 9**
- **Physical and Health Education 10**
- **Active Living 11**
- **Active Living 12**
- **Fitness and Conditioning 10, 11 & 12**
- **PE Leadership 9 & 10**

Physical and Health Education (PHE) 9 & 10

PHE 9 & 10 is a requirement in grades 9 and 10. PHE is designed to develop the knowledge, skills, and understandings that students need for lifelong physical health and mental well-being. The PHE curriculum highlights the interconnections between an individual's health and his or her well-being, the connections between physical and mental health, and the importance of positive interpersonal relations. As well, the PHE curriculum aims to develop students who have the knowledge and confidence to promote their own health and well-being by maintaining healthy habits.

Note on Senior Level PE Classes: Students in Grade 11 are required to take a Physical Activity course from those listed below:

ACTIVE LIVING 11

Active Living 11 focuses on the importance of maintaining personal health, identifying motivational factors influencing participation, and the ability to demonstrate safe, fair play, and leadership in physical activities. Students will participate in a variety of team and individual activities in a variety of settings, allowing students to increase confidence and encourage lifelong participation in those activities. Methods of monitoring and adjusting exertion levels, planning activities, and understanding the potential short- and long-term consequences of health decisions is highlighted.

ACTIVE LIVING 12

Active Living 12 focuses on overall health and well-being. The Active Living 12 curriculum aims to promote lifelong participation in activity and to develop competencies in recreational leadership, including planning and organizing recreational activities. Along with this is a focus on injury prevention, developing etiquette and safe play, proper technique in use of equipment, and methods of monitoring and adjusting exertion levels in physical activity. Students will participate in a variety of recreational activities in different environments to encourage confidence in participation in lifelong activity.

FITNESS AND CONDITIONING 10, 11, & 12

In Fitness & Conditioning 10, 11 & 12 students will experience a wide array of fitness activities and demonstrate their understanding of the course through these activities. Students will spend time in many different fitness environments; Weight Room, Fitness Room, Outdoors, and in a gym, to learn how to become fit, develop cardiovascular muscle conditioning. The main topics that will guide these courses are Healthy and Active Living, Human Anatomy and Physiology, Principles of Training and Social Responsibility. Students will be provided with tools to create an individualized fitness plan to allow themselves to maintain and develop fitness habits in their present and future lives.

PE LEADERSHIP 9

Over the course of the year, students will participate in a combination of Leadership, Health & PE curriculum. In addition to the regular Health & PE, the PE leadership component includes classwork to learn leadership and planning skills and practical, hands-on applications of those skills. Students will develop and apply skills such as leadership, teamwork, goal setting, event planning, activity assessment and reflection through the development of intramural and extra-curricular events and lesson plans. This course supports and encourages students to assist in school/community/ leadership opportunities. Students are required to do school community hours for athletics. There is a focus on creating and running an intramurals programs and special events for middle and high school students. They will also be helping with planning and running events for our Traditional feeder school's grade 4 and 5 students such as our Tri Traditional soccer Cup and our 3v3 basketball tournaments.

PE LEADERSHIP 10

Over the course of the year, students will participate in a combination of Leadership, Health & PE curriculum. In addition to the regular Health & PE, the PE leadership component includes classwork to learn leadership and planning skills and practical, hands-on applications of those skills. Students will develop and apply skills such as leadership, teamwork, goal setting, event planning, activity assessment and reflection through the development of intramural and extra-curricular events and lesson plans. This course supports and encourages students to assist in school/community/ leadership opportunities. Students are required to do school community hours for athletics. There is a focus on creating and running an intramurals programs and special events for middle and high school students. They will also be helping with planning and running events for our Traditional feeder school's grade 4 and 5 students, such as our Tri Traditional soccer Cup and our 3v3 basketball tournament.

APPLIED DESIGN, SKILLS, & TECHNOLOGIES

Quick Reference

- Food Studies 10
- Food Studies 12
- Sewing and Textiles 9
- Sewing and Textiles 10
- Electronics and Robotics 9
- Electronics and Robotics 10
- Wood/Metal 10
- Wood/Metal 12
- Woodwork 12 & Furniture & Cabinetry
- Metalwork 12
- Engineering 11

Secondary Students in Grades 9-12 who are interested in an Applied Skills course will have a Grade 10 option and a Grade 12 option. For example, Grade 9 and 10's interested in Wood/Metal will choose Wood/Metal 10.

FOOD STUDIES 10

Food Studies 10 is a practical life skills training course in which students learn more complex cooking and baking skills with opportunities to design and adapt recipes to suit personal tastes and dietary needs.
The content and curricular competencies of Food's 10 are guided by BC's Applied Design, Skills, and Technology curriculum. Learning objectives, such as, critically reflecting on the design thinking process and evaluating the success of a product are the focus for this hands-on course. The Canada Food Guide is used as a reference for preparing healthy dishes, including plant-based proteins, grains, vegetables and fruits. Through the Trades' Exploration program, students are introduced to skill building lessons, such as recipe scaling, knife handling, food safety and kitchen sanitation practices. First People's traditional food protocols, preparations and land stewardship are explored through project-based learning. Tests, quizzes, in-class projects and lab work will contribute to an overall grade. Grade 10 Students can apply to the Abbotsford Career Program for Professional Cook Level 1 hosted at Abby Senior year. Please speak with your school counsellor about this option.

FOOD STUDIES 12

Food Studies 12 is an extension of Food Studies 11. This is a hands-on course guided by the design thinking process outlined in BC's Applied Design, Skills and Technology curriculum. Although basic knowledge of food preparation is ideal, all students interested in Food Studies are encouraged to apply. The focus of this course is to develop life skills that

students can apply in real world situations. Creating meal plans, budgets, time management and adapting recipes to reflect personal tastes and dietary needs are part of the learning objectives. In this course, Canada's food guide will be used as a reference for students to prepare healthy and economical meals. Food Studies 12 will also focus on more complex skill development including: food preparation techniques, safe handling of kitchen equipment and knife skills. Grade 12's will be expected to take a leadership role in our combined grade 11/12 classes. Additionally, through project-based learning, students can expect to learn about careers in the food industry, food security, food labelling and marketing, as well as indigenous food sovereignty.

SEWING/TEXTILES 9

Sewing/Textiles 9 is an Applied Design, Skills and Technology course. It will have a focus on the design process while exploring natural and manufactured fibers, including their origins, characteristics, uses, and care. It will explore strategies for using and modifying simple patterns, elements of design used in the design of a textile item, social factors that influence textile choices and the impact of those choices on local communities and the role of textiles in First Peoples cultures. It will have both hand and machine construction techniques for producing and/or repairing textile items.

SEWING/TEXTILES 10

Sewing/Textiles 10 is an Applied Design, Skills and Technology course. It will have a focus on hand and machine techniques and design process while exploring natural and manufactured fibers, including their origins, characteristics, uses, and care. It will explore strategies for using and modifying simple patterns, elements of design used in the design of a textile item, social factors that influence textile choices and the impact of those choices on local communities and the role of textiles in First Peoples cultures. It will have both hand and machine construction techniques for producing and/or repairing textile items.

ELECTRONICS AND ROBOTICS 9

Electronics and Robotics is a course that will allow students to explore electronic circuits and connections and the principles that make them work. Further ER9 investigates modular robotic structures to collaboratively solve rich tasks with student developed robotic/electronic constructs. Students will develop an understanding of forces and energy needed to recognize mechanical advantage provided by machines, focusing on both strengths and limitations. Students fully engaged with the course should come away with deeper collaborative problem-solving skills and an appreciation for the design of automated machines in our society."

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Woodwook/Metalwork 10

In Woods – Metals 10 Students learn an intro to wood joinery techniques, then metal work in the same semester. Students use CAD (computer aided design) software to plan, then create functional woodworking projects. Next, students get a hands-on intro to metal work including wire feed welding in the metal shop. This course covers the safe use of all the major tools found in professional red seal shops, including some specialty equipment such as laser cutters and air brushes.

Woodwork 12

In Woods – Metals 12, the first half of this course, students will learn building and framing techniques, as well as residential wiring installation. Students use CAD (computer aided design) software to plan, create and determine the price of their projects, including labor and materials costs. Next, students use their creativity to weld and plasma cut in the metal shop, while they assemble custom sculptures. This course offers the opportunity for students to experience wide range of a professional red seal shop, including specialty equipment such as laser engravers and cnc routers.

WOODW0RK 12 & FURNITURE & CABINETRY 12

This group of courses explores the wood technologies to a greater depth. Students will develop a broader understanding of advanced woodworking skills through theory and project construction. Overall, the course will include project-designing, problem solving, costing of materials, mass production techniques, advanced joinery and machining processes. Much of the time will be spent on self-designed projects. Students will be encouraged to enter their projects into District scholarship competitions and enter various Skills-Canada competitions.

ENGINEERING 11

Engineering 11 is an introductory course that focuses on the basic elements and principles of simple machines, electronics, circuit design, measurement, programming, pneumatic, hydraulic, servo-mechanical movement, feedback and microprocessor control. This course offers an opportunity to use learning in a lab setting - every module has a practical, hands-on component. Throughout the course, the student will explore problems and design solutions related to mechanical and/or electronic engineering and programming principles. This course teaches the mathematic & physical principles necessary for the design of mechanical, electronic and electro-mechanical (combination of) objects, and uses structured C programming to control objects. A "C+" in Mathematics 10 and taking Physics 11 concurrently is recommended. Engineering 11 is excellent opportunity for the grade 10 to 12 student, with an interest in physics, who is planning a career (or a hobby) in mechanics, electricity, electronics, programming, robotics, and/or electrical/mechanical engineering.

FINE ARTS

Quick Reference

- **Art 9**
- **Art 10 (Art Studio 10)** **- Band 9 - 12**
- **Art 11 (Art Studio 11)** **- Guitar 9-10**
- **Art 12 (Art Studio 12)** **- Guitar 11-12**

ART 9

Art 9 provides students with the opportunity to develop their artistic abilities and expression. Through creating two-dimensional art like drawings and paintings, and three-dimensional sculptures, they will explore key elements, principles, techniques, and ideas central to the arts.

ART 10 (Art Studio 10)

Art 10 allows students to continue exploring different strategies for image development as the refine their creative process and expand their knowledge of design elements and principles. They will work with a variety of materials and techniques, fostering creativity and risk-taking in the creation of two- and three-dimensional are pieces.

ART 11 (Art Studio 11)

Art 11 students build upon the skills developed in prior years, to transform their ideas into visual creations. They will work with a range of materials and techniques, refining their image development strategies as they create two- and three-dimensional art.

ART 12 (Art Studio 12)

In Art 12, students apply image development strategies practiced in previous years to transform their ideas and experiences into visual creations. They produce two- and three-dimensional works in drawing, painting, sculpture, printmaking, and mixed media, while further refining their artistic skills. Emphasis is place on planning, design, and reflection to foster creative and insightful use of the artistic process.

MUSIC

Band 9-12

Prerequisite: Previous band experience or private music lessons

Scheduled Times: Tuesday & Thursday 7:00 – 8:00 am
Students study a variety of musical repertoire, both contemporary and classical. Students continue developing tone, intonation, articulation, and style, in addition to concepts like chord analysis/scale selection, soloing/improvisation, ear training, and transposing. The ATS Band participates in school concerts, district and regional festivals and an annual band trip.

Guitar 9/10

Guitar is a foundational musical instrument worldwide. Students taking this course will be introduced to the following areas of knowledge and technique on the guitar:

- Identify parts of the guitar
- Guitar tuning
- Introductory flat-picking
- Introductory strumming
- Ensemble playing
- Performance preparation and discipline

Group performance opportunities will be a part of this course

Guitar 11/12 (Instrumental Music 11/12)

Guitar is a foundational musical instrument worldwide. Students taking this course will be introduced to the following areas of knowledge and technique on the guitar

- Identify parts of the guitar
- Guitar tuning
- Introductory flat-picking
- Introductory strumming
- Ensemble playing
- Performance preparation and discipline

Other Courses

Quick Reference

- Career Education 9
- Career Life Education 10
- Living & Learning with Character 11 (BAA)
- Career Life Connections 12
- Peer Tutoring 12 (BAA)
- Leadership (Grades 10-12)
- Work Experience 12a & 12b

CAREER EDUCATON 9

Career Education 9 will help students learn life skills and create potential plans for careers after graduation. In this course, students are learning about themselves, setting goals, developing strategies to deal with stress and other personal coping skills. In addition, students will also learn financial literacy skills such as creating a budget and work on developing public speaking skills.

CAREER LIFE EDUCATION 10

Students in grade 10 careers will explore healthy and unhealthy relationships, inclusive practices, career and education planning, as well as preparing for the workforce by learning about resumes, skills and character traits that lead to being successful employees.

LIVING AND LEARNING WITH CHARACTER 11 (BAA)

Living and Learning with Character 10 (BAA) is a course developed by Abbotsford School District to support students with their social and emotional learning and help them develop mature work habits and social skills for use in high school and beyond. This course will show students the principles and actions that allow them to play, learn and work with character. Instruction will include an exploration of our core values (respect, responsibility, caring, teamwork, awareness, integrity and grit) and their application in the life of our school community.

CAREER LIFE CONNECTIONS 12

Career Life Connections 12 is a four-credit course (2 Credits in Grade 11 Homeroom and 2 Credits in Grade 12 Homeroom) required for graduation involves students in research, problem solving, and decision making relevant to career planning. Society benefits when students have the knowledge and the personal and social competencies to manage their career and life transitions. Options after high school are becoming increasingly varied and complex. Students need opportunities to explore and research a multitude of education and career pathways. These pathways require graduates who can confidently self-direct, display initiative, set priorities, establish goals, and take responsibility for pursuing those goals in an ever-changing society. Big ideas covered include managing a life balance, being in a changing world, career opportunities and planning, and more. A significant part of the course is in preparation for the Capstone Project where students design, assemble, and present a project to an audience to demonstrate personal learning and achievement (in and out of school), growth in the core competencies and a reflection on the post- graduation plan.

PEER TUTORING 12 (BAA Course)

Prerequisite: Grade 12 students with a solid academic background must complete an application and provide a teacher reference demonstrating proficiency in the relevant subject and strong work habits. Students understand that in choosing Peer Tutoring as a class, this does not automatically guarantee that students will be enrolled in this course. Choosing peer tutoring is a "hope" to have Peer Tutoring. Finding a placement for students can be a challenge but most students will end up with a placement. Students wanting Peer Tutoring will include on their form an alternative course that they are also interested in.

Peer Tutoring 12 (BAA Course) allows students to develop communication and interpersonal skills as they work in a classroom environment alongside teaching staff. Students will use a variety of teaching and adaptation techniques to build relationships with smaller groups of students to support their learning. Students are placed according to classroom and student need where spots are available. Coursework consists of daily logs, reading reflections and a long-term project to impact the learning environment.

LEADERSHIP (Grades 10-12)

Leadership (Grades 10-12) is offered to Grade 10 through 12 students and will deal with the theoretical and practical applications of Leadership. Students enrolled in this course will learn how to run meetings, utilize effective communication skills, review resume and interview skills, practice effective public speaking skills, review goal setting and time management strategies, be involved in the promotion and running of school events and developing habits and routines which will facilitate effectiveness as an individual and a leader.

Student Leadership 10 (YIPS-0A)

Note: This course **does not** meet the Applied Skills Grad Requirement.

Student Leadership 11 (YIPS-1A)

Note: This course **does** meet the Applied Skills Grad Requirement.

Student Leadership 12 (Yips-2A)

Note: This course **does not** meet the Applied Skills Grad Requirement.

WORK EXPERIENCE 12a & 12b

WEX 12A & 12B are both 4-credit courses that enable you to experience 100-120 hours of on-site job training in a career path and cooperative partnership between the student, the school and the employer. The primary goal of work experience is to help students prepare for the transition from secondary school to the world of work.

SD34 Career Programs

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