



**YALE SECONDARY SCHOOL
COURSE SELECTION GUIDE
GRADES 9 – 12
2026-2027**



Take care of yourself. Take care of each other. Take care of this place.

COURSES BY DEPARTMENT

Applied Skills:

Accounting 11
Automotive Technology 11/12
Computer Programming 11 -12
Engine & Drivetrain 12
Engineering 11
Engineering 12
Entrepreneurship & Marketing 10
Entrepreneurship 12
Entrepreneurship 12 (Café)
Food Studies 9 – 12
Furniture & Cabinetry 12
Horticulture 11
Introduction to Computers 9
Marketing and Promotion 11
Metal Work 9
Metal Work 11/12
Nutrition & Cooking for Athletes 11
Power Mechanics 10
Student Leadership 9
Student Leadership & Event Planning 11
Textiles 9 -12
Women in Tech 9-12
Woodwork 9 - 12
Yearbook 11

Career Preparation:

Career Education 9
Career Life Connections 12
Career Life Education 10

English:

AP English Literature & Composition 12
Literary Studies 11 (English 11)
EFP Literary Studies & Writing 10
EFP Literary Studies and New Media 11
EFP Literary Studies 11 – Honours
English 9
English 10 (Literary Studies & Composition)
English 10 – Honours (Literary Studies & Comp)
English First Peoples 12
English Studies 12

Fine Arts:

AP-2D Design Portfolio
Art 9
Art Studio 10
Art Studio 10 – Honours
BAA Fine Arts & Crafts 12
Drama 9 – 12
Graphic Arts 11/12
Musical Theatre 9 – 12
Photography 10
Studio Arts 2D 11/12
Studio Arts 2D 11 – Honours
Studio Arts 3D 10 - 12

Mathematics:

AP Calculus AB 12
Calculus 12
Foundations of Math & Precalculus 10
Foundations of Math & Precalculus 10 -
Honours
Foundations of Math 11 & 12
History of Mathematics 11
Mathematics 9
Pre-Calculus 11 & 12
Pre-Calculus 11 - Honours
Workplace Math 9 – 11

Modern Languages:

French 9 – 12
Spanish 9 - 12

Music:

Guitar 9 – 11

Other:

AP Psychology 12
Creative Writing 12
Horticulture/Foods 11- yearlong course
Interpersonal & Family Relationships 11
Psychology 11/12
Sports Medicine 11
Student Leadership 10 and 12

Physical Education:

Active Living 11 & 12
Fitness & Conditioning 11 & 12 (co-ed/girls)
Physical Education 9 & 10 (co-ed/boys/girls,
basketball, rugby, volleyball)
Sport Performance 11 – 12
- Basketball/Rugby/Volleyball

Science:

Anatomy and Physiology 12
AP Biology 12
AP Chemistry 12
AP Physics 1 Honours 11
AP Physics 2 Honours 12
Chemistry 11 & 12
Chemistry 11 – Honours
Earth Science 11
Environmental Science 11 & 12
Geology 12
Life Sciences 11
Life Sciences 11 – Honours
Physics 11 & 12
Science 10
Science 10 – Honours
Science 9
Specialized Science 12-Astronomy

Socials Studies:

20th Century World History 12
AP European History 12
Asian Studies 12
BC First Peoples 12
Contemporary Indigenous Studies 12
Explorations in Socials Studies 11
Genocide Studies 12
Human Geography 12
Law Studies 12
Philosophy 12
Social Justice 12
Social Studies 9
Social Studies 10
Socials Studies 10 – Honours

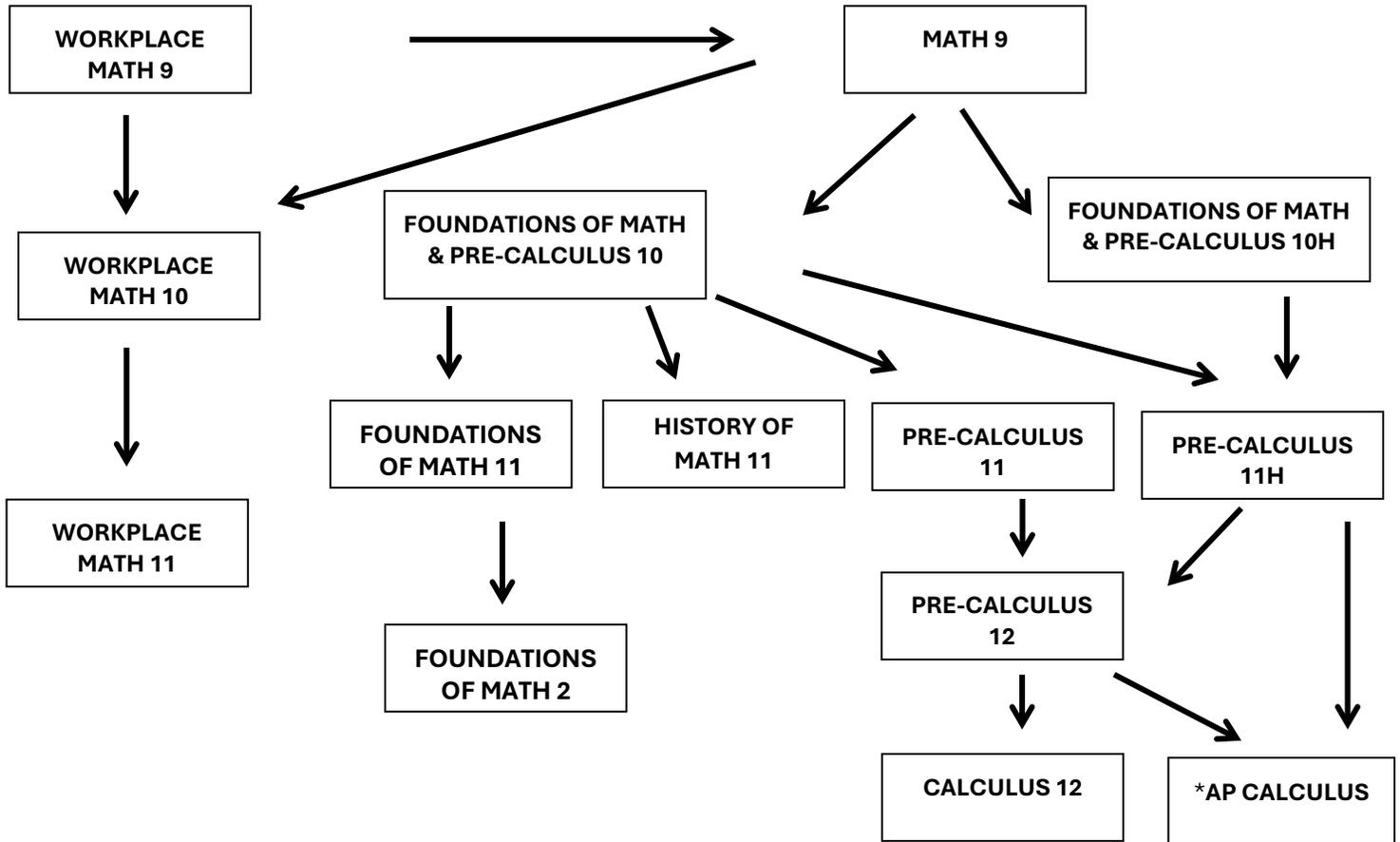
Extended Day classes

Choral Music: Chamber Choir 10-12
Concert Band 9 – 12
Concert Choir 9 - 12
Jazz Band 9 - 12
PE Leadership Intramurals 10-12
Yearbook 11/12

Peer Helpers – Application needed

ADST Assistant 12
Community Services 12
Fine Arts Assistant 11
- Art/Music/Theatre
Lab Assistant 12
Peer Tutoring 11/12
PE Leadership 11

Math Pathways



Math requirements for university, college, and trades programs vary by institution and program. Science and Engineering programs usually need more advanced math than Arts programs, while trades programs have their own specific math requirements.

Always check the websites of the schools you are interested in to confirm the exact prerequisites. Meeting the minimum requirements does not guarantee admission, and requirements can change.

School counselors can help you understand prerequisites and provide contact information for post-secondary advising offices. Advising offices are the best source for current program information and for booking appointments to ask questions about courses and entry requirements.

***AP Calculus:** Interested students should consult with their Math teacher to discuss this option.

GRADE 9

Career Education 9

This course is a required course. You will not choose this course as one of your requests, it will be assigned to you. It will show on your grade 9 timetable as outside of the regular day but will not need to be attended during out of school hours. Career Education will be incorporated into the regular school day and is not offered as a separate course.

ENGLISH LANGUAGE ARTS

English 9

Language is fundamental to thinking, learning, and communicating in all cultures. As students come to understand and use language more fully, they are able to enjoy the benefits and pleasures of language in all its forms. The English Language Arts program (9-12) provides students with opportunities for personal and intellectual growth through speaking, listening, reading, viewing, writing, and representing to make meaning of the world and to prepare them to participate effectively in all aspects of society. Students will experience the power of language by dealing with a range of texts. As they progress through the levels of English, students will encounter more complex texts, and should become more critical, creative and articulate in their own use of language.

***At the end of the semester, English 9 students complete a school-based final assessment as well as a District Writing Assessment.

SOCIAL STUDIES

Social Studies 9

Social Studies 9 explores how major events from 1750 to 1914 shaped the world and helped form the Canada we know today. Students learn about changes like the Industrial Revolution, new ideas about government and rights, global imperialism, and growing national identities. The course highlights how these global shifts influenced life in early Canada, including the development of government, relationships between Indigenous and non-Indigenous peoples, and Canada's role in early international conflicts. Through use of historical thinking competencies, students build their understanding of why these changes matter and how the past continues to shape Canada today.

SCIENCE

Science 9

Science 9 reinforces and extends the core concepts of Science 8. Chemistry 9 extends students' knowledge of the periodic table, chemical changes, and writing chemical formulas. Biology 9 focuses on the cell, including units on cell structure and processes, and reproduction. Physics 9 includes a laboratory study of electrical

charge, current, and circuitry. In addition, Earth Systems 9 focuses on how the biosphere, geosphere, hydrosphere and atmosphere are interconnected.

MATHEMATICS

Workplace Mathematics 9

Prerequisite : Teacher recommendation. A scientific calculator (with a fraction key) is required.

This course is best suited to students who have had challenges in understanding Mathematics. The purpose of this course is to fill in gaps of learning that have taken place, and to provide a safe environment to build the confidence of these struggling students. These students may then return to the foundations stream by taking Foundations of Mathematics 9 or they may continue to Apprenticeship and Mathematics 10.

Topics covered in this course include basic number operations, integers, fractions, proportions, conversions, percents, basic algebra and measurement.

Mathematics 9

Prerequisite : At least a Developing grade in Math 8 OR teacher recommendation. A scientific calculator is required.

Topics covered in this course are Rational Operations, Polynomial Operations, Factoring, Algebraic Solving, Coordinate Geometry, 2D Measurement and Financial Literacy.

PHYSICAL EDUCATION

Classes are held in the main gym, small gym, weight room and classroom. All students are expected to wear suitable clothing for all activities. All students are expected to participate on a regular basis, the only exceptions being those who have significant injuries and/or medical excuses provided by a physician. Assessment will be based upon participation, fair play, completion of assignments and leadership.

Physical Education 9 – boys, girls, or co-ed

Yale's Physical Education program utilizes carefully selected activities to provide students the opportunities to develop:

- a) knowledge and understanding of principles of movement, and the relationship of exercise to personal well-being
- b) physical skills
- c) physical fitness
- d) social skills
- e) attitudes and appreciation that will encourage participation and enjoyment of physical activity, fitness, quality performance and a positive self-concept and respect for others.

APPLIED SKILLS

Food Studies 9

Foods 9 is designed to spark an interest in food studies and develop the knowledge, skills and attitude necessary to prepare nutritious, tasty and attractive foods in a cost and time effective manner. The units covered include foundational cooking skills, basic baking, nutrition and health, additives & local eating, seasonal cooking and international cuisines.

Introduction to Computers 9

You should take this course if you are interested in careers that focus on computer and technology use, such as the information technology sector, or engineering. This course will also help develop your analytical skills which would be very helpful for Science and Math.

Students will be introduced to a variety of topics in this fun and flexible course. The course will cover the following:

- AI usage
- Basic web design
- Operating systems such as Windows and Linux
- Installing software
- Programming Basics
- Introduction to Javascript
- Basics in creating interactive websites

Metalwork 9

This course covers basic metalwork skills. Students will use a wide variety of tools and machines to cut, weld, grind, braze, and form metal. Students will explore hand tools as well as ARC welding, MIG welding, gas welding, flame cutting, CNC plasma cutting, forging, abrasive cutting, sterling silver jewelry casting, drilling, and lathe work. Students will work toward the creation of a project of their own design.

Student Leadership 9

The purpose of this course is to introduce theories of leadership and practice leadership skills. Students will be involved in planning school-wide events as well as becoming involved with community service. This course will focus on developing student's communication skills, organizational skills, critical thinking skills as well as becoming more socially and globally aware.

Textiles 9

Textile Studies is your chance to get creative and make things you're proud of! Learn the basics of sewing, altering, and mending, try out weaving, knitting, crocheting, and more. Discover skills you can use for life through projects that match your interests and skill level. If you like hands-on work, creativity, and making something totally your own, this is the course for you!

Women in Tech 9

**Students will learn about BC's apprenticeship system and trades related careers.

This course is open to grade 9-12 students. This is an introductory course that will introduce students to metal work, carpentry, electrical, plumbing, automotive maintenance and computer-controlled machines (CNC). Being a project centered course, students will get to make a variety of projects. Some project examples are jewelry, candle holders, picture frames, bowls, goblets, jewelry boxes, CNC made signs, vehicle oil change and basic maintenance.

Woodwork 9

This course offers experience in the wood shop and is an introduction to wood product design and manufacturing. Skills will be developed in hand and machine tool operation. Students will complete assigned projects as well as an individually developed project. Projects may include wood turnings, cutting boards, mantle clock, side tables, jewelry boxes, and other student designed projects

FINE ARTS

Art 9

Are you creative? Do you like to get your hands dirty? Do you like to have fun? Then Art 9 is for you. In Art 9, you will learn to express yourself using a wide variety of materials from drawing to painting, from graphic design to clay. If you are considering a career that involves any kind of creativity, then Art 9 is the place to start.

Drama 9

This is a course that focuses on developing self-confidence, self-awareness, and the ability to work and communicate with others through a variety of acting techniques. Activities in this course will help to strengthen the student's powers of concentration and observation. Students will develop their skills in tableau, voice, physical comedy, improvisation, script work, and playwriting. Enthusiasm and self-discipline are necessary for success in this course. Evaluation is based on class participation, written assignments and performance. No prior acting experience is required.

Guitar 9

For students with little or no previous guitar experience. This is a beginner guitar course designed for students who wish to learn to play guitar. The course content will include basic note reading, chord construction and chording patterns.

*Students may bring their own guitar or borrow a music department guitar with a refundable damage deposit (refunded if returned in good condition).

Musical Theatre 9

Yale Musical Theatre is a course dedicated to building well rounded performers and technicians with a passion for the stage. Our performances include acting, singing, dancing, and professional level production elements such as sets, lighting, sound, and costumes. Members in this class will be a part of both the cast and crew. All lead roles will require auditions. There will be a public performance at the end.

MODERN LANGUAGES

Taking language classes helps develop effective communication skills, encourages an awareness of cultural differences, gives advantages in the job market, and is good for the brain! Some university programs require a modern language course to graduate with a degree, so why not take it in high school rather than having to pay for it later?

French 9

Recommendation: French 8

This is an introductory course, so students with French Immersion or Francophone backgrounds should enroll in a more advanced course (ask your counsellor).

In French 9, we offer students the opportunity to begin learning the basic language skills (reading, writing, speaking, and listening) in French, one of Canada's official languages. Students will be able to introduce and describe themselves, their family, their friends, and their preferences in French. They will also be able to ask and answer various questions about themselves and about the stories that are read in class. In addition, students will be introduced to Francophone cultures across the globe: French is not just spoken in France and in Quebec, it is also an official language in many African countries as well as other locations in Europe and across the world. Students in this course will take an active role in learning the French language.

Spanish 9

Did you know that Spanish is the second- most widely spoken language in the world with 400 million native speakers? Spanish 9 is an exciting course for beginners looking to expand their language abilities and broaden their future career and travel opportunities. In this course, we offer students the opportunity to learn basic grammar and develop the four language skills of listening, speaking, reading and writing as well as an appreciation of Hispanic culture. Students in this course will take an active role in learning the Spanish language as it is a communicative course. Much of the instruction will be in Spanish, and students are expected to communicate with the teacher and classmates "en español."

EXTENDED DAY OPTIONS

**THESE CLASSES ARE OFFERED BEFORE OR AFTER SCHOOL AND ARE CHOSEN IN ADDITION TO THE 8 INSIDE THE TIMETABLE CLASSES.

Concert Band 9

Open to students who have completed Band 8 or contact Ms. Sargent. Band 9 further develops technical skills as they relate to more challenging music from the band repertoire. There will be many opportunities for performances at concerts, festivals and trips. Attendance at all rehearsals and performances is mandatory.

Concert Choir 9

Open to all students who wish to sing. Students do not need previous singing experience of any kind. Students will further their understanding of the vocal mechanism and basic music theory skills. The emphasis of this course is the performance of music in a variety of styles. Attendance at all rehearsals and performances is mandatory.

CHORAL MUSIC - Chamber Choir 9 *BY INVITATION ONLY*

This is an advanced choir for auditioned singers performing as a select ensemble. Students will rehearse and perform regularly. There may be rehearsals outside of class time that, with prior notice, you may be required to attend. There will be mandatory performances (ex: Christmas Concert, Kiwanis Festival, Choral Day) and there may also be opportunities for travel and optional fundraising. Students must be enrolled in Yale Concert Choir. Chamber Choir is open to exceptionally strong singers by audition. The ability to read music and to part-sing is a prerequisite. Auditions are approximately 10 minutes. You will be asked to sing "O Canada" in the key of your choice. You will also be asked to sing a series of vocal exercises and to sight-read an excerpt.

Jazz Band 9

Co-requisite: Concert Band 9

Further development of technical skills in the area of Big Band Jazz. Instrumentation is the same as in Grade 8. This is an extended day class. Attendance at all rehearsals and performances is mandatory.

GRADE 10

ENGLISH Language Arts – choose 1

Literary Studies & Composition 10

(Divided into two modules)

English 10 builds on the key concepts learned in English 9. Language is fundamental to thinking, learning, and communicating in all cultures, in a wide range of forms. Students will be provided with opportunities to experience the power of language through a variety of texts of increasing complexity, and for personal and intellectual growth through speaking, listening, reading, viewing, writing, and representing to make meaning of the world and to prepare them to participate effectively in all aspects of society. All students will complete Literary Studies 10 (2credits) and Composition 10 (2 credits) for a total of 4 credits.

Literary Studies and Composition 10 Honours

(Divided into two modules)

By Teacher Recommendation

English 10 Honours builds on the key concepts learned in English 9 and offers a combination of enriched English 10 content. With a focus on classical and mediaeval literature, students will explore a range of texts, and engage in wide variety of activities, including literary writing, discussions, presentations, visual responses, and creative work. While this course is fast paced, dedicated and interested students will have a lot of fun. In completing this course, students will receive credit for Literary Studies 10 and Composition 10. This course is designed as a steppingstone into 11 honours and AP 12.

English First Peoples Literary Studies & Writing 10

**This course meets the Indigenous-Focused Course Graduation Requirement.

English First Peoples 10 builds on the key concepts learned in English 9. The English First Peoples 10 course provides students with an opportunity to explore literature and stories of North American Indigenous peoples and engage more deeply with the First Peoples Principles of Learning. The course will combine elements from at least two modules: Literary Studies and Composition. English Language Arts courses (9-12) provide students with opportunities for personal and intellectual growth through speaking, listening, reading, viewing, writing and representing to make meaning of the world and to prepare them to participate in society as engaged citizens.

SOCIAL STUDIES

Social Studies 10

Social Studies 10 looks at how Canada has changed from 1914 to today. Students explore major events like the World Wars, the Great Depression, and movements for rights and freedoms, and learn how these events shaped life in Canada. The course also examines how immigration, the economy, and government have developed over time. A key part of the class is learning about the experiences of different groups in Canada,

including Indigenous peoples, and how these stories connect to issues we see today. Through use of historical thinking competencies, students increase their understanding of Canada's past and how it influences the country we live in now.

Social Studies 10 Honours

Social Studies 10 Honours looks at Canada from 1914 to today, focusing on the people, events, and ideas that shaped our country. You'll learn about major wars, political and economic change, social change, technology, human rights, immigration, and Canada's role in the world. In the Honours version, you'll go deeper than the regular course. You'll develop more advanced academic skills that challenge you to think critically and explain your ideas clearly. You'll practice skills like strong writing, effective speaking, asking good questions, and backing up your opinions with evidence. This course will help students interested in Social Studies gain the academic skills to help prepare them for senior courses.

MATHEMATICS – choose 1

Foundations of Math & Pre-Calculus 10

Recommendation: At least a Proficient grade in MA 9 OR teacher recommendation. A scientific calculator is required.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that DO NOT require the study of theoretical calculus. Topics covered in this course include: Exponent Rules, Polynomial Operations, Factoring, Co-ordinate Geometry, Relations and Functions, Solving Systems of Linear Equations, Real Number Systems, Trigonometric Ratios and Financial Literacy.

Foundations of Math & Pre-Calculus 10 Honours

Prerequisite : An Extending grade in MA 9 OR teacher recommendation. Scientific calculators TI-83PLUS or TI-84 are needed for this class. (note: for further honours courses a graphing calculator is required.)

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics covered in this course include: Exponent Rules, Polynomial Operations, Factoring, Co-ordinate Geometry, Relations and Functions, Solving Systems of Linear Equations, , Real Number Systems, Trigonometric Ratios and Financial Literacy.

Workplace Math 10

Recommendation: any Math 9 or teacher recommendation. A scientific calculator (with fraction key) is required.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Topics covered in this course include: Measurement, Conversions, 2D and 3D Measurements, Similarity, Trigonometry, Angle Geometry and Constructions, Consumer Decisions, Wages, and the Algebraic Manipulation of Formulas.

SCIENCE

Science 10

The four core units of Science 10 are Biology, Chemistry, Physics and Earth & Space Science. In Biology, students learn about DNA structure, DNA mutations, genetics and evolution, while addressing the big idea that genes are the foundation for the diversity of living things. In Chemistry students expand on the basic ideas learned in grade 8 and 9 and apply their Science 9 knowledge to chemical equations and chemical reactions. The big idea for Chemistry is that chemical processes require energy change as atoms are rearranged. In Physics, the focus will be on the big idea of how energy is conserved and how its transformation can affect living things and the environment. The Earth and Space Science section will focus on the big idea of how the formation of the universe can be explained by the Big Bang Theory.

Science 10 Honours

This course emphasizes independent inquiry for academic students with a strong foundation in math and science. There is a focus on developing critical thinking and reasoning skills and promoting social responsibility. The honours course is similar to the regular science program but moves at a faster pace with a stronger emphasis on Inquiry-based laboratory work. Enrichment areas include quantum models of the atom, periodic trends, mole conversions, and other advanced chemistry concepts, as well as additional curricular content in biology and physics. Five unit inquiry projects are part of the assessment in this course.

CAREER PLANNING

Career Life Education 10 – this class is a required course for graduation

During this class students will complete a series of online self-assessments, which will help identify skills, personal attitudes, values and interests. Guidelines to help with essential employability and career skills and abilities will also be covered.

Students will learn how to identify post-graduation opportunities such as schools, programs, tuition costs, residency options, scholarships etc.

Students will also learn about all of the great career programs that the school district offers, such as: (electrical, aviation, hair styling, cybersecurity, automotive, paramedic, fire academy, police academy, welding, plumbing, early childhood education, plumbing, drafting, carpentry and more)

PHYSICAL EDUCATION

Classes are held in the main gym, small gym, weight room and classroom. All students are expected to wear suitable clothing for all activities. Gym strip is available at nominal cost. All students are expected to participate on a regular basis, the only exceptions being those who have significant injuries and/or medical excuses provided by a physician. Assessment will be based upon participation, fair play, completion of assignments and leadership.

Physical Education 10 – *choose 1* (boys, girls, co-ed, basketball, rugby or volleyball)

Yale's Physical Education program utilizes carefully selected activities to provide students the opportunities to develop: a) knowledge and understanding of physical and social skills, physical fitness, principles of movement and the relationship of exercise to personal well-being b) physical skills c) physical fitness d) social skills and e) attitudes and appreciations that will encourage participation in AND enjoyment of physical activity, fitness,

quality performance, a positive self-concept and respect for others. Students will choose from the following options: Girls, Boys, Co-Ed,

ELECTIVES

FINE ARTS:

Art Studio 10 or Art Studio 10 Honours

Similar to Art 9, students will have the opportunity to begin or continue to develop their skills in the following areas: drawing, painting, printmaking, sculpture and design. Honours 10 is designed for students who wish to develop their skills in art at an accelerated level. The course will parallel Art 10 with an addition of extra expectations. A minimum average of 75% must be maintained in order to remain in Honours Art 10.

Drama 10

This course builds on many of the skills learned in Drama 9. It reviews the rules of theatre and explores vocal recording, acting for the camera, stage combat, improvisation, script work and social issues through the development of a documentary. There will be a focus on acquiring some basic knowledge about technical theatre as a performing art. We will explore lighting, set design, sound and costumes. Evaluation is based on class participation, written assignments and performance. Prior acting experience is helpful but not necessary.

Guitar 10

For students with little or no previous guitar experience. This is a beginner guitar course designed for students who wish to learn to play guitar. The course content will include basic note reading, chord construction and chording patterns.

*Students may bring their own guitar or borrow a music department guitar with a refundable damage deposit (refunded if returned in good condition)

Musical Theatre 10

Yale Musical Theatre is a course dedicated to building well rounded performers and technicians with a passion for the stage. Our performances include acting, singing, dancing, and professional level production elements such as sets, lighting, sound, and costumes. Members in this class will be a part of both the cast and crew. All lead roles will require auditions. There will be a public performance at the end.

Photography 10

In this course students will learn the fundamentals of digital photography. They will learn how to operate their camera's functions and settings. Students will utilize exposure, lighting and lenses. They will practice different photography compositions and techniques as they develop their eye to see the world like a photographer.

Studio Arts 3D 10 (Ceramics)

3D Art 10 is a hands-on ceramics course. In this course students will learn the basics of hand building functional and sculptural pottery. Students will learn and develop their skills with the slab, coil and pinching techniques.

Students will also practice making forms on the potters' wheels. This is the course for students that are adventurous and like to try new things. There is no prerequisite to take this course.

Applied Skills:

Computer Programming 11

(Introduction to Programming in JavaScript)

Pre-requisite: None (Students do not need to have any previous computing experience)

This is an introductory level course in computer programming. We will investigate and learn about the very popular JavaScript programming language, which powers the internet. No previous computer experience is necessary, and students will find this course to be quite flexible. The course will cover the following:

- create basic web pages
- JavaScript basics
- develop interactive websites
- variables and loops
- programming logic, structure, and functions
- basic Object-Oriented Programming concepts

Entrepreneurship & Marketing10

Entrepreneurship & Marketing 10 is an introductory business course. These include business ethics, economics, finance, marketing, and entrepreneurship. Entrepreneurship & Marketing 10 introduces students to the world of business within the local and global community and the various opportunities within it. While taking this course, students will learn basic marketing & entrepreneurial concepts that will help them engage in today's constantly evolving business world.

Food Studies 10

The intent of Food Studies 10 is to help students develop self-reliance and independence, while teaching skills necessary for a hearty and healthy life. Exploring food, an essential part of life, also allows you to develop creativity. Plus, an understanding of nutrition will help develop skills to improve your quality of life and sense of well-being. Study units will cover breakfast, lunch, and various international dinners.

Metalwork 11

This course is open to students in grade 10, 11, or 12. Students will explore fabricating, machining and welding. Student projects could include lathe work, milling machine work, and welding and fabricated projects. In addition to foundation fabricating and machining skills, students will have an opportunity to explore CNC plasma cutting and lost wax casting.

Nutrition and Cooking for Athletes 11

Want to level up your game? This course teaches you how to fuel your body for training, competition, and recovery. Learn what athletes really need to eat, how to plan performance meals, and how to cook them yourself. Through hands-on labs and easy, athlete-focused recipes, make snacks, meals, and hydration options

that boost energy, strength, and endurance. You'll also learn nutrition science that matches your sport, goals, and schedule.

Power Mechanics 10

Power Mechanics 10 is a course for grade 10 students hoping to enroll in mechanics classes in their grade 11 and 12 years. This course introduces students to fundamentals of the internal combustion engine, basic automobile theory and maintenance and current trends in alternate energy theory. Students will gain experience that will help them in understanding expectations and the work ethic required for participation in Automotive Technology 11 and 12 and in trade schools.

Textiles 10

Textile Studies is your chance to get creative and make things you're proud of! Learn the basics of sewing, altering, and mending, try out weaving, knitting, crocheting, and more. Discover skills you can use for life through projects that match your interests and skill level. If you like hands-on work, creativity, and making something totally your own, this is the course for you.

Women in Tech 10

**Students will learn about BC's apprenticeship system and trades related careers.

This course is open to grade 9-12 students. This is an introductory course that will introduce female students to metal work, carpentry, electrical, plumbing, automotive maintenance and computer-controlled machines (CNC). Being a project centered course, students will get to make a variety of projects. Some project examples are jewelry, candle holders, picture frames, bowls, goblets, jewelry boxes, CNC made signs, vehicle oil change and basic maintenance.

Woodwork 10

This course gives grade 10 students a more in- depth study of woodworking techniques and practices. Students will be involved in the planning, design and production of woodworking projects. Effective planning and problem solving will be emphasized.

In addition to skill development and project work, students will cover units in materials technology, mass production techniques and a woodworking career survey.

OTHER ELECTIVES

this class does not meet the graduation requirement for a Fine Arts or Applied Skills credit but is still a 4 credit class

Student Leadership 10

Recommendation: Teacher Permission

The purpose of this course is to introduce theories of leadership and to practice leadership skills. The course will be divided each term into lessons of theory and classes of practical application. The Leadership Program at Yale will reflect the belief that students want to become meaningfully involved in the school and the community.

MODERN LANGUAGES

Taking language classes helps develop effective communication skills, encourages an awareness of cultural differences, gives advantages in the job market, and is good for the brain! Some university programs require a modern language course to graduate with a degree, so why not take it in high school rather than having to pay for it later?

French 10

Recommendation: A “Proficient” or higher in French 9

This is a second-year course for beginners in French. Students with recent French Immersion or Francophone backgrounds could enroll in a more advanced course, depending on the situation (ask your counsellor)

This course builds on the key concepts and language skills (reading, writing, speaking, and listening) learned in French 9. In this course, various themes and stories are used to introduce vocabulary, grammar, verbs, and francophone cultures. Students will learn to better communicate about various topics using the past, present, and future tenses.

Spanish 10

Recommendation: A “Proficient” or higher in Spanish 9

Spanish 10 is a continuation of Spanish 9, and it allows students to build on their language skills in order to participate in a variety of communicative activities. The course is based on a series of stories that will teach the language. Students will apply vocabulary from the stories to answer personalized questions and to read/respond to the texts. The four elements of a language (listening, speaking, reading and writing) will be practiced throughout the course. Exposure to elements of Hispanic culture (music, geography, customs, etc.) may also occur at various times during the course. Most of the instruction will be in Spanish, and students are expected to communicate with the teacher and classmates “en español.”

EXTENDED DAY OPTIONS

**THESE CLASSES ARE OFFERED BEFORE OR AFTER SCHOOL AND ARE CHOSEN IN ADDITION TO THE 8 INSIDE THE TIMETABLE CLASSES.

Concert Band 10 *counts as a Fine Arts elective

Pre-requisite: minimum three years of instrumental experience or see Ms. Sargent.

The main emphasis is on playing and developing technical skills on your instrument and enjoying more challenging repertoire from the band literature. Many performance opportunities will be offered at concerts, festivals and trips. Attendance at all rehearsals and performances is mandatory.

Concert Choir 10 *counts as a Fine Arts elective

Open to all students who wish to sing. Students do not need previous singing experience of any kind. Students will further their understanding of the vocal mechanism and basic music theory skills. The emphasis of this course is the performance of music in a variety of styles. Attendance at all rehearsals and performances is mandatory.

Jazz Band 10 *counts as a Fine Arts elective

Co-requisite: must be enrolled in Concert Band

Emphasis will be on developing technical skills in the area of Big Band Jazz. All kinds of jazz music will be explored. The instrumentation for this class is saxophone, trumpet, trombone, drums, piano, electric guitar, bass guitar, and double bass. Students must have a minimum of two years playing experience. Attendance at all rehearsals and performances is mandatory. So, if you enjoy listening to music and are interested in the roots of it this course is for you!

PE Leadership Intramurals 10

**This class takes place at lunch time and is not part of the regular day.

This is a course in which students can earn 4 credits for helping run lunchtime intramurals. Students are expected to help in the promotion, organization, set-up, take-down, scorekeeping and refereeing of the various sporting events. Events may include volleyball, soccer, basketball, badminton, pickleball, handball and floor hockey.

GRADES 11 & 12

ENGLISH LANGUAGE ARTS

Literary Studies 11 (English 11)

Literary Studies allows you to delve deeply into literature. You can explore specific themes, periods, authors, or areas of the world through in a variety of genres (fiction, non-fiction, film, documentaries). You will increase your literacy skills through close reading of appropriately challenging texts and further develop higher-level thinking and learning skills.

English First Peoples Literary Studies & New Media 11

(EFP Literary Studies & New Media 11)

*This course meets the Indigenous-Focused Course grad requirement

This course is a program of studies designed to teach critical thinking and reading, and communication skills, with a focus on Indigenous texts, perspectives and knowledge. Genres to be studied include conventional forms like novels, poetry, and short stories, as well as graphic novels, films and video games. At the end of the semester, students will have the opportunity to create a major product based on their interests. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording numerous opportunities to demonstrate understanding and communicate increasingly sophisticated ideas through a wide variety of digital and print media.

English First Peoples (EFP) Literary Studies 11 Honours

* this course meets the indigenous focused course grad recommendations

Recommendation: English 10 H or teacher recommendation

English First Peoples Literary Studies 11 allows you to delve deeply into literature through Indigenous texts from around the world, focusing on memoir and personal writing, poetry, and short stories. You will increase your literacy skills through close reading of challenging Indigenous texts, develop higher-level thinking and writing skills, and explore Indigenous themes and literary traditions. By the end of this course, you will understand the deep links between storytelling and identity. Earn your Indigenous course credit while preparing for English Studies 12 AP!

English First People's 12 **This course meets the Indigenous-Focused Course Graduation

First People's 12 is a grade 12 English course that looks at the literature and stories of local Indigenous peoples and Indigenous peoples around the world; texts studied will include graphic novels, films, poetry, short stories, and non-fiction. Using the First People's Principles of Learning we will look at a variety of storytelling genres to understand the varied ways Indigenous peoples represent their pasts, presents, and futures, the common themes addressed by Indigenous creators from around the world, and the importance of storytelling to our identities. Students will be provided with opportunities for personal and intellectual growth through speaking, listening, reading, viewing, writing, and representing to make meaning of the word and to prepare them to participate effectively in all aspects of society. Students will leave this course with an appreciation for the richness of Indigenous literary traditions.

English Studies 12

Language is fundamental to thinking, learning, and communicating in all cultures. As students come to understand and use language more fully, they can enjoy the benefits and pleasures of language in all its forms. Students will be provided with opportunities for personal and intellectual growth through speaking, listening, reading, viewing, writing, and representing to make meaning of the word and to prepare them to participate effectively in all aspects of society. Students will experience the power of language by dealing with a range of texts. In English Studies 12, students will encounter more complex texts and become more critical and analytical of how others use language, as well as being more creative and articulate in their own use of language. All students are required to take an English Studies 12 or First Peoples English 12 for graduation.

AP Literature & Composition 12 - 8 credits (AP Lit 12 + English Studies 12)

Recommendation: Honours Literary Studies 11

Entrance to this course is by permission of the instructor, based on English 10 and 11 marks and teachers' recommendations.

AP English Studies 12 is a challenging and ambitious program offered to highly motivated and successful students. It encompasses both the requirements of English Studies 12 and Advanced Placement Literature and Composition. This course provides students with reading and writing experiences that equal those of a first-year university course and engages students in the careful reading and critical analysis of a broad range of literature. Students develop critical standards for interpreting the effects writers create by means of the artful manipulation of language.

CAREER LIFE CONNECTIONS 12 and “CAPSTONE”

This class is a required course for graduation

All grade 12 students need to choose the Career Life Connections 12 class. This course is a mandatory requirement for High School Graduation in the province of BC. Career Life Connections 12 will use My Blue Print, Chatterhigh, Education Planner BC, Skilled trades BC and other current websites to create a transition plan that will help students set goals for post-high school education and career pursuits.

In addition, all grade 12 students will be expected to create and present a culminating “Capstone” project that demonstrates the student’s learning using an area (s) of interest as the basis of the project.

SOCIAL STUDIES

Explorations in Social Studies 11

Explorations in Social Studies 11 is an exploration into current events and recent history. Various issues and events will be examined from both a Canadian and World perspective. Topics include, but are not limited to:

- modern conflicts
- wealth, poverty, and inequality
- political systems including Canada and others
- issues of social justice including human rights, genocide, and indigenous issues
- ethical issues in media and propaganda

Students will develop the skills of the historian including inquiry, research, document analysis, and historical perspective.

20th Century World History 12

20th Century World History 12 is for students who love History! The course explores the major events and turning points that shaped the modern world. Students use historical thinking skills to investigate global conflicts and their aftermath, powerful ideological movements, revolutions and independence struggles, and the social, political, economic, and cultural changes that defined the 20th century. The course encourages students to make connections between past and present as they examine how people responded to rapid change.

AP European History 12

8 credits (AP Euro 12 + 20th Century History 12)

**Entrance to this course is by permission of the instructor, based on performance on previous Social Studies courses, and teachers' recommendations.

This course is designed to be equivalent to a first-year university/college European history course. The course will cover European history from 1450 to the current time. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore course concepts such as interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social

organization and development; national and European identity; and technological and scientific innovation. Students who take this course will develop higher-level thinking and writing skills that are at a university level. If students score well on the American College Board examination in early May, most universities will provide credit for an equivalent first year history course. Students will receive credit for AP Euro 12 and 20th Century History 12 (8 credits).

Asian Studies 12

Asian History 12 explores the histories, cultures, and global influence of the world's largest and most diverse continent. From ancient civilizations and powerful empires to modern nations and global conflicts, this course looks at how Asia has shaped, and continues to shape, the world. Students examine themes like cultural identity, migration, human rights, global conflict, and the lasting impact of imperialism.

BC First Peoples 12 **This course meets the Indigenous-Focused Course Graduation Requirement.

BC First Peoples 12 focuses on the diversity of the cultures of British Columbia's Indigenous peoples emphasizing the languages, cultures, and history of First Nations and Métis peoples. Students study First Nations people of British Columbia in four main areas: Relationships to the Land, the Historical Journey (contact, colonialism, and resistance), Leadership and Self-Determination, and Cultural Expressions.

Contemporary Indigenous Studies 12 **This course meets the Indigenous-Focused Course Graduation Requirement.

This course will have the students looking at contemporary issues facing Indigenous people locally, nationally and globally. Students will not only develop a deeper understanding of these issues but also create a voice to enhance education for others. The student should have completed BC 1st Nations 12 prior to taking this course. Exceptions may be made at the discretion of the teacher.

Genocide Studies 12

****This course is only open to students in grades 11 or 12****

Genocide Studies 12 takes a deep look at how and why some of the most devastating crimes against humanity have occurred, and what we can learn from them today. Students explore where the term "genocide" came from, the conditions that allow it to happen, and the patterns that many genocides share. Through case studies such as the Holocaust, the Armenian Genocide, the Cambodian Genocide, the Bosnian Genocide, the Rwandan Genocide, and others, students examine the stages, warning signs, and impacts of these events. The course also looks at the importance of remembrance, the challenges of justice, and how denial continues to shape global understanding. Learning happens through inquiry, primary sources, film studies, lectures, and discussions. Film is used as a powerful tool in the course, helping bring history to life by showing the human experiences, emotions, and realities behind the events we study.

Human Geography 12

Human Geography 12 is the study of people, where we live, how we live, and why the world looks the way it does today. We explore how human choices, cultures, economies, and global issues shape the planet through real-world topics like population change, cities, conflict, resources, and global inequality. We learn through current events, media, documentaries, and discussion.

Law Studies 12

This course is designed to allow students to become familiar with both criminal and civil law in Canada. It is an introductory course and is taught by the "casebook" method in which students read details of an actual legal case and attempt to answer questions following that case, based on research and textbook information. Students will also visit the Provincial Court and gain firsthand experience into the workings of the Canadian legal system. Law 12 is not designed to train lawyers but will give students a broad general concept of the realities of the Canadian legal system as well as an understanding of the terms and rules that govern it.

Philosophy 12

Philosophy 12 invites students to explore some of the most influential ideas in human history and consider how they shape our lives today. The course opens with the transformative period known as the Axial Age, examining foundational thinkers such as Confucius, Plato, and Aristotle, whose inquiries into virtue, politics, and the nature of reality still resonate today. From there, students trace the evolution of philosophical thought through the Roman Stoics, the rise of Rationalism with Descartes, the reforming impulses of the Enlightenment, and key movements in modern and contemporary philosophy.

Throughout the course, students grapple with enduring questions about knowledge, ethics, freedom, justice, and human purpose. They learn to analyze arguments, evaluate competing viewpoints, and apply abstract concepts to real-world issues ranging from technology to politics, identity, and scientific progress. This course requires strong reading skills and a genuine curiosity about ideas.

Why it matters:

Philosophy develops critical thinking, clear communication, and ethical reasoning—skills that are highly valued in careers such as law, education, business, public policy, technology, and healthcare.

Social Justice 12

Social Justice 12 will change the way you see the world. Students will have the opportunity to study the legal, political, ethical, and economic perspectives that form Canadian concepts of justice and equality by examining issues like ethnicity, race, gender, socio-economic status, sexual orientation, marital and family status, poverty, and privilege. Students will grapple with both local and global issues for the purpose of developing global citizenship practices that promote social justice. Students will develop skills in recognizing injustice, fair-mindedness, embracing diversity, empathy, and taking action.

MATHEMATICS

Foundations of Mathematics 11

Recommendation: C (60%) or better in Foundations of Math & Pre-Calculus 10

Units of Study

- Measurement Geometry
- Logical Reasoning Statistics
- Relations and Functions Research Project Finance

Pre-Calculus Math 11

Recommendation: B (73%) or better in Foundations of Math & Pre-Calculus 10

Units of Study

- Exponents and Radicals Factoring
- Functions and Equations Parabolas
- Trigonometry Systems of Equations Rationales
- Finance

Pre-Calculus Math 11 Honours

Recommendation: A (86% or better) in Foundations of Math & Pre-Calculus 10 or C+ (67% or better) in Math 10 Honours.

Pre-Calculus 11 Honours covers the same concepts of Pre-Calculus 11 but focuses on enrichment by adding Pre-Calculus 12 material. Students taking Pre-Calculus 11H will have the option to also gain a Pre-Calculus 12 credit.

Workplace Math 11

Recommendation: C- (50%) or better in Foundations of Math & Pre-Calculus 10 or Workplace Math 10.

Units of Study

- Measurement
- Geometry
- Personal Finance Algebra
- Statistics

History of Mathematics 11

Meets your math graduation requirement.

This is a unique math course that takes you on a journey through time to explore how mathematical ideas came to be and how they shaped the world we live in. Explore how math developed across many centuries and continues to evolve and why mathematics is a global language used to understand nature, culture, and society. Topics you'll study include:

- Number systems from ancient civilizations like Egyptian, Mayan, Chinese, and First Peoples, including concepts such as zero, pi, and prime numbers.
- Patterns and algebra, including early algebraic thinking and the origins of variables and sequences.
- Geometry through history, from Egyptian construction problems to Greek ideas about lines, angles and Euclid's Elements.
- Cryptography – the math behind codes and ciphers used in history and in today's digital society.

In this class you will solve historical puzzles, use reasoning and models, explore ideas creatively, and connect math to culture, places, and daily life.

AP Calculus 12

AP Calculus 12 runs as a linear class over 2 semesters. Recommendation: B (73% or better) in Pre-Calculus 12. It is beneficial to have completed Pre-Calculus 12 before beginning this course, but it may be taken simultaneously, preferably in first semester.

Advanced Placement Calculus AB is typically equivalent to one semester of post-secondary calculus. This course is primarily theoretical with a focus on properties of functions, limits, and differential and integral components of Calculus. Interested students should have demonstrated mastery of material from math courses that covered algebra, coordinate and analytic geometry, trigonometry, and elementary functions. Graphing calculators will be used regularly to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. Classes are held every other day for the full year. Highly skilled and motivated students may choose to independently study extra topics and write the more comprehensive AP Calculus BC exam.

Calculus 12

Recommendation: B (73%) or better in Pre-Calculus 12.

It is beneficial to have completed Pre-Calculus 12 before beginning this course, but it may be taken simultaneously. Traditionally, first year Calculus courses have been extremely challenging, especially to students with little Calculus background. This course is only offered in 2nd semester and will provide students with a basic understanding of limits, derivatives, and integrals. Applications and problem solving will be emphasized throughout the course. Strong math skills, good work habits, and an ability to deal with abstract concepts are essential.

Foundations of Mathematics 12

Recommendation: C+ (67% or better) in Foundations of Math 11 or C (60% or better) in Pre-Calculus 11

This academic course is designed to provide students with the mathematical and critical thinking skills required for post-secondary programs (excluding engineering or sciences) that require the study of Math.

Units of Study

- Finances Set Theory
- Counting Methods Probability
- Exponential and Logarithmic Functions Polynomials
- Sinusoidal Functions

Pre-Calculus 12

Recommendation: C+ (67%) or better in Pre-Calculus 11

Pre-Calculus 12 is an elective course intended for Grade 12 students who have shown an interest and an aptitude in Mathematics. The curriculum was developed, and lessons are planned with a focus on developing a student's algebraic, graphical and numeric reasoning in four broad areas: Trigonometry, Relations and Functions, Logarithms, and Transformations.

AP Physics 1 Honours 11

Recommendation: “B” or better in Science 10 or 10H and Math 10 or Math 10H. Trigonometry and algebra will be used.

Following the restructuring of the Advanced Placement Physics curriculum, AP Physics is now a two-year course. Physics 11 Honours is now Physics AP1. Topics covered in this course will be similar to those taught in regular Physics 11, but at a faster pace and at a greater depth. In addition, extra topics such as circular motion, rotation, and electricity will be discussed. This course is highly recommended for those students wishing to explore physics in greater depth, and for those considering pursuing physics and/or engineering in university. Students successfully completing the course and passing the AP exam (in May) will qualify for university credits equivalent to first semester of a first-year university Physics course.

Chemistry 11

Chemistry 11 is an inquiry-based lab-oriented course concerned with the identification, characterization, and transformation of matter. The course has a strong mathematical emphasis. Specific units dealt with include: the scientific method, classification and description of matter, atomic theory, including introductory quantum mechanics, the mole concept, including stoichiometric applications, chemistry of solutions, and an introduction to organic chemistry. Students taking Chemistry 11 can expect a variety of laboratory activities.

Chemistry 11 Honours

Chemistry 11 Honours is similar to the regular Chemistry 11 course, but proceeds at a faster pace, adding units on gases and nuclear Chemistry. Inquiry-based laboratory work is emphasized to a greater extent. This course is open to all grade 11 and 12 students with a keen interest and above average ability in math and science.

Earth Science 11

Earth Science is a course designed to investigate the earth and its structure. This includes the study of the lithosphere, space science and how the earth fits into the realm of space. The basic units are geological science and space science. Earth Science 11 satisfies the university entrance requirements for a grade 11 Science course. This course includes lab activities.

Environmental Science 11

A hands-on, lab-based course that uses an interdisciplinary approach to look at current problems facing humans and the planet. This course focuses on climate change, ecosystems, acidification of the oceans, pollution, waste management and human illnesses caused by environmental disasters. Use your knowledge of Chemistry, Biology and Earth Science to problem solve issues that are changing how we interact with the Earth.

Life Science 11

Life Science 11 introduces the student to the study of life in all its forms. The course begins with an introduction to the methods and principles of biological science. This includes the scientific method, evolution, classification and taxonomy, and levels of organization. A significant portion of the course involves examination of the four biological fields.

- 1) Microbiology
- 2) Zoology (Animal Biology)
- 3) Botany (Plant Biology)
- 4) Evolution

Life Science 11 Honours

It is strongly recommended that students enrolling in Life Science 11 Honours have an "A" or high "B" standing in Science 10 Honours.

Life Science 11 Honours includes all topics covered in regular Life Science 11. The honours course examines these topics in greater depth and includes a number of additional ones (eg. biochemistry).

Physics 11

Physics is the science that deals with applying mathematics to explain everyday physical phenomena. We use your knowledge of MA 10 and SC 8-10 to predict and explain motion, forces, energy, waves and nuclear physics. Note: Laboratory activities will be required. Mathematical ability is essential; a C+ in MA 10 is recommended. Non-programmable calculators are recommended. Trigonometry and algebra will be used.

Anatomy & Physiology 12

Recommendation: "B" in Biology 11 (Due to the detailed study of cell biochemistry, Chemistry 11 is recommended)

Anatomy & Physiology 12 continues the study of life with a greater emphasis on the human being. Like Life Science 11, it begins with a review of the methods and principles of biological science. Biochemistry and Physiology are heavily emphasized in Anatomy & Physiology 12. The majority of the course is composed of three major units.

- 1) Cell Biology
- 2) Biochemistry
- 3) Human Biology

AP Biology 12 - 8 credits (Biology 12 AP + Anatomy & Physiology 12)

It is strongly recommended that students have a high "B" or "A" in Biology 11 Honours and Chemistry 11 before attempting Biology 12AP.

Advanced Placement Biology is designed to be the equivalent of a first-year college or university biology course. It is a survey of most of the major topics in biology including biochemistry, physiology, cytology, genetics, evolution, and ecology. Although students are expected to be familiar with the anatomy of those organisms that are studied, the course concentrates on the description and analysis of biological processes and on problem solving. The recent AP Biology revisions place a major emphasis on lab work.

AP Chemistry 12 - 8 credits (Chemistry 12 AP + Chemistry 12)

It is strongly recommended that students have an "A" or a high "B" in Chemistry 11 Honours before attempting Chemistry 12AP.

Advanced Placement Chemistry is a first-year college course in general chemistry offered at the high school level. The course differs qualitatively from the usual grade twelve chemistry course with respect to the kind of textbook used, the degree of detail with which topics are covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by the students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. Students taking Advanced Placement Chemistry will certainly be well prepared for the B.C. Provincial and Scholarship Exams. The five major topics from regular chemistry twelve (Kinetics, Equilibrium, Solubility, Acid/ Base and Electrochemistry) are all developed in considerable detail along with an additional unit in Thermodynamics. Many Chemistry 11 topics are also reconsidered and expanded upon as they apply to these new areas.

AP Physics 2 Honours 12 - 8 credits (Physics 12 AP + Physics 12)

Recommendations: Physics 11 (B or better) Honours is recommended AND Mathematics 11 (B or better)

This course is equivalent to a first-year physics course at UBC or SFU. This course covers a wide range of topics, encapsulating the British Columbia Physics 11 and 12 curriculums as well as extensions to match the curricula of most American schools. Such topics are kinematics, forces, energy, circular motion, electrostatics, circuits, electromagnetism, waves, fluids, atomic, nuclear, and thermodynamics. Since we have less time to cover 33% more material than in the regular Physics 12 course, there is a considerable pace that the student must accept. Student directed learning is a must in this course. In light of this, students must be committed to a challenging experience. At this time, we offer the more comprehensive Physics AP - B level course of study. A non-programmable calculator is recommended.

Chemistry 12

Recommendation: "B" in Chemistry 11 & at least a C+ in Math 11

Chemistry 12 is intended for Grade 12 students who have shown an aptitude for the subject and plan to take Chemistry and related courses at the post-secondary level. Problem solving and lab work is much more prevalent than in Chemistry 11 and a good understanding of mathematics is essential. The course contains extensive inquiry-based laboratory investigation of five topic areas including reaction kinetics, solubility principles, chemical equilibrium, acids and bases, and oxidation-reduction reactions. Due to a large number of mathematical calculations in the course, students should have a C+ standing in Math 11 before attempting Chemistry 12.

Environmental Science 12

Recommendation: Environmental Science 11

Environmental Science 12 will take a deeper look at the environmental challenges that we are currently facing. This course will focus on water and the international laws that are in place to provide safe drinking water. We will also look at factors affecting climate change and what we can do to slow down or reduce the effects. Land use, such as agriculture, food resources and urbanization will also be studied. This course will be lab and research-based where all the fields of science will be used to analyze and discuss current environmental issues.

Geology 12

This course will focus primarily on the study of the Earth's crust, with emphasis on local geology. Specific topics include: composition of the Earth (minerals, rocks), economic importance (mining, oil drilling), geological history (time scale, dating techniques and fossils), earth building processes (plate tectonics, earthquakes and volcanoes), earth wasting processes (streams and glaciers) and comparative planetology. It is recommended that students have strong reading and writing skills and a willingness to work outdoors.

Physics 12

Recommendation: "B" in PH 11- **Note: Mathematical ability should be C+ in Mathematics 11 or 12, as trigonometry and algebra will be required.*

Physics 12 extends the basic concepts of Physics 11 to motion in two dimensions, forces, energy, circular motion, torque, electrostatics, electric circuits and electromagnetism. Students with satisfactory standing (C+ or better) in Physics 11 will find this course challenging. This course concentrates on problem solving and the use of mathematics in analyzing and describing physical situations. Laboratory work will be ongoing. This course will be similar to first year post-secondary physics. A non-programmable calculator may be required for the provincial exam.

SPECIALIZED SCIENCE 12 – ASTRONOMY

Student participation will be a key component of assessment, along with quizzes and project work. A 'B' in Science 10 and Math 10 is recommended.

This course is designed to give students the opportunity to learn theoretical and practical applications of astronomy. Students will be learning and applying knowledge in the fields of history, physics, mathematics, and art. Topics will include:

- Understanding the basic principles of astronomy and the scientific method.
- Exploring the solar system, stars, galaxies, and the large-scale structure of the universe.
- Learning the tools and techniques used in astronomical observations.
- Examining the historical development of astronomical theories and the contributions of major astronomers.
- Analyzing current topics and discoveries in astronomy.

ART

AP 2-D Design Portfolio 12 **yearlong class

Recommendation: A portfolio of past work must be presented to the teacher for evaluation before being admitted into this course.

AP 2-D Design Portfolio is designed for students wishing to pursue art training at the post-secondary level. Over the course of the year, students will be required to produce 15, high-quality works which will then be submitted to the AP College Board in May. These same pieces can be used to apply for district scholarships and used as part of a portfolio required to gain admission to college or university art programs. This course is designed for highly motivated students. It requires a great deal of commitment and the ability to spend multiple hours of work outside of class time each week. Both the teacher and the College Board will provide a comprehensive analysis of the student's work.

The Fine Art of Crafts 12 **counts as a Fine Arts credit

All students are welcome to participate in this hands-on course. Students will learn the history and techniques of traditional crafts. Possible projects include but are not limited to: Clay Tile, Beaded Orange Shirt Day Pin or Remembrance Day Poppy, Lino Block Carving and printing on fabric, Decoupage, Ukrainian egg painting, Macramé, Wood Buring, Bracelet Making, Origami, and Embroidery.

Graphic Arts 11 **counts as a Fine Arts credit

Recommendation: Art 9 or 10, or Studio Art 11

Are you a creative individual with a flair for design? Do you like to design things like t-shirts, logos, and album covers? Are you interested in pursuing a career in commercial art or graphic design? Then Graphic Arts 11 is for you. The course explores how to use various artistic techniques in advertising, packaging, and mass communication. About half of the course is done digitally using Adobe Photoshop and the other is done using hands-on printmaking techniques including screen printing and lino-print.

Graphic Arts 12 **counts as a Fine Arts credit

Recommendation: Graphic Arts 11

This course is designed for those students who want to continue developing their skills and knowledge in the areas of printmaking and graphic design. The projects completed in this course are designed to become an integral part of an art portfolio.

Studio Arts 2D 11 **counts as a Fine Arts credit

-Although there are no prerequisites for this course, previous art experience will be helpful.

Are you considering a career that involves creativity? Then Studio Arts 2D 11 is for you. In this course, students will produce several large-scale drawing and painting projects, further developing their skills. Each project will require students to explore art-history, brainstorm, problem solve, create and evaluate their work. Students will participate in regular group critiques as well as the student art show held at the end of the semester.

Studio Arts 2D 11 Honours **counts as a Fine Arts credit

The course will parallel Studio Art 2D 11 with the addition of extra projects and expectations. Permission/recommendation of the art teacher is required. A minimum average of 75% must be maintained to remain in this course.

Studio Arts 2D 12 **counts as a Fine Arts credit

Although there are no prerequisites for this course, previous art experience will be helpful.

Building on the ideas of Studio Art 11, students in this course will produce several more-advanced, large-scale works. Each project will require students to explore art-history, brainstorm, problem solve, create and evaluate their work. Students will participate in regular group critiques as well as the student art show held at the end of the semester. The projects completed in this course are designed to become part of an art portfolio used to gain acceptance to post-secondary art training.

Studio Arts 3D 11 **counts as a Fine Arts credit

3D Art 11 is a hands-on ceramics course where student's artwork is developed using several different hand building and wheel throwing methods. This course is for students that have ceramic basics and want to push their skill and image development to the next level. There is no prerequisite required to take this course.

Studio Arts 3D 12 **counts as a Fine Arts credit

3D Art 12 is a hands-on ceramics course where student's artwork is developed using several different hand building and wheel throwing methods. This course is for students that have pottery basics and want to design and make their own projects out of ceramics. There is no prerequisite for this course but a knowledge and understanding of the principles of clay is an asset.

BUSINESS EDUCATION

Accounting 11 **counts as an Applied Skills credit

This is an introductory course to the language of business...accounting! In this course we learn how to read important financial documents and to understand the true meaning of profit by learning the "Accounting Cycle". Students will learn debit/credit theory, explore financial statements such as the Income Statement and Balance Sheet on their way to understanding the complete Accounting Cycle. In addition, we cover important life skills such as budgeting, saving, paying taxes, and investing! Students will learn to use tools such as Microsoft Excel, Google Sheets, Simply Accounting, the Cash Flow board game to reinforce the accounting concepts learned. This course is well suited for students with basic math skills looking to explore what accounting is all about and how it applies to all aspects of business finance.

Entrepreneurship 12 **counts as an Applied Skills credit

This course will provide students with glimpse into the vast world of Entrepreneurship. This first starts with looking at modern entrepreneurs, their characteristics, and how they achieved success in their fields of business. Over the term we will also cover key topics such as Economic Concepts, Business Start-Ups, Business Plans, Business Ethics & Sustainability, and the importance Teamwork and Networking. In addition, students will take part in our investing unit which includes participating in our Stock Market Simulator and Cashflow games. A highlight of this course, through gaming students will learn about investing concepts such as profit vs revenue, good debt vs bad debt, creating passive cash flow, ROI, real estate, how stocks work, and future investing that includes beating inflation.

Entrepreneurship 12 - Mane Street Café **counts as an Applied Skills credit

Heading into grade 11 or 12 and looking for a course that gets you out of the traditional classroom and into a practical hands-on environment? If you are reliable and can be on time, ask your school counsellor about working in the Mane Street Café. In this course you will learn about serving the public, handling money, promoting and marketing products and making good coffee! You will also grow in your confidence as you learn to take initiative, problem solve and communicate more effectively.

Marketing & Promotion 11 **counts as an Applied Skills credit

Marketing & Promotion 11 is an introductory course that allows students to explore the fascinating world of Marketing. It covers the basics of marketing concepts such as the 4 P's, product life cycles, branding, advertising, retailing, packaging, and promotion and selling. The course also deals with e-commerce, international politics, culture, environmental issues, social causes, and other major components of our world. But most of all, it deals with you! – as a consumer, as a market, as a demographic, as a representative of a group or lifestyle. This course gives students the opportunity to apply and demonstrate their new marketing skills in a variety of projects and assignments.

DRAMA

Drama 11**counts as a Fine Arts credit

Recommendation: Drama 10 or Teacher permission.

In this course, students will begin to hone a deeper sense of their acting abilities through script work and character development. Emphasis is placed on developing a personal approach to their given roles. Students will learn about auditioning and the skills required to find work as an actor. We will explore professional stage and film acting, the history of theatre and film, and how to take direction. Evaluation will be based on class participation, written assignments, and performance.

Drama 12 **counts as a Fine Arts credit

Recommendation: Drama 11 or Teacher permission.

In this course, students will begin to branch out from the role of actor and explore the realms of writing, directing, and design. A study of acting and directing styles throughout history is also part of the course. We will explore classic stage and film genres and students will learn to produce their own works, plays, and films. Students will learn the basics of a production company and will learn to promote their own performances. Evaluation is based on class participation, written assignments and performance.

Film & Television 11/12 **counts as a Fine Arts credit

This course explores the elements of modern filmmaking and videography. We will explore creative storytelling, live recording, broadcasting, editing, and pre/postproduction. We will discuss and review some of the great directors and their films while examining how technology and emerging forms of media like streaming can transform communication in a variety of ways. Evaluation is based on class participation and production. There may be some minimal out of timetable expectations.

Musical Theatre 11/12 **counts as a Fine Arts credit

Yale Musical Theatre is a course dedicated to building well rounded performers and technicians with a passion for the stage. Our performances include acting, singing, dancing, and professional level production elements such as sets, lighting, sound, and costumes. Members in this class will be a part of both the cast and crew. All lead roles will require auditions. There will be a public performance at the end.

HOME ECONOMICS

Food Studies 11 **counts as an Applied Skills credit

Food Studies 11 is a course about exploring different foods and the design process. The big ideas of the course are that services and products can be designed through consultation and collaboration, personal design interests require the evaluation and refinement of skills, and that tools can be adapted for specific purposes. Students will explore both baking and cooking, while making foods for themselves to enjoy and also foods to share with others.

Food Studies 12 **counts as an Applied Skills credit

Foods 12 is a class where you can learn to cook for yourself and others, navigate the confusion surrounding food issues, and make sense of the abundant information about food and nutrition. We will explore ideas such as what it means to eat healthily, and why this is important; how food can be prepared in a manner that is efficient, affordable, nutritious, and delicious; factors that influence what and how we eat; and what is the relationship between food and the environment? Units may cover the local vs global ingredients, Vegan/vegetarian diets, meat and poultry foods, GMOs, chocolate, cultural foods of the world, pasta, yeast breads, and more.

Nutrition and Cooking for Athletes 11 **counts as an Applied Skills credit

Want to level up your game? This course teaches you how to fuel your body for training, competition, and recovery. Learn what athletes really need to eat, how to plan performance meals, and how to cook them yourself. Through hands-on labs and easy, athlete-focused recipes, make snacks, meals, and hydration options that boost energy, strength, and endurance. You'll also learn nutrition science that matches your sport, goals, and schedule.

Textiles 11/12 **counts as an Applied Skills credit

Textile Studies is your chance to get creative and make things you're proud of! Learn the basics of sewing, altering, and mending, try out weaving, knitting, crocheting, and more. Discover skills you can use for life through projects that match your interests and skill level. If you like hands-on work, creativity, and making something totally your own, this is the course for you!

MODERN LANGUAGES

Taking language classes helps develop effective communication skills, encourages an awareness of cultural differences, gives advantages in the job market, and is good for the brain! Some university programs require a modern language course to graduate with a degree, so why not take it in high school rather than having to pay for it later?

French 11

This course builds on the key language skills (reading, writing, speaking, and listening) learned in French 9 and 10 as well as continuing to learn more about francophone cultures. There is a greater emphasis on speaking, writing, and grammar than in previous French courses. More advanced vocabulary, verbs and grammar are introduced through a variety of interesting themes and stories.

French 12

This course will continue to build on the language skills learned in French 9, 10, and 11. Through various themes and stories, vocabulary, verbs, and grammar are studied to build confidence in the four language skills (reading, writing, speaking, and listening). By the end of French 12, students should be able to communicate in a variety of contexts and have a greater awareness of Francophone cultures. Students enrolled in French 12 have the opportunity to write the international DELF exam at the A2 or B1 level.

Spanish 11

Recommendation: A “C+” or higher in Spanish 10

In this course, students will build on the skills learned in Spanish 9 and 10 in order to communicate, describe and express themselves more proficiently in Spanish. We will continue to build fluency in the areas of listening, speaking, reading and writing. We will continue to incorporate stories and other texts to learn the language and apply the correct use of grammatical structures in various contexts. Exposure to cultural elements (music, film, geography, customs, etc.) and research about Hispanic culture may also occur at various times during the course. The majority of the instruction will be in Spanish, and students are expected to communicate with the teacher and classmates “en español.”

Spanish 12

Recommendation: A “B” or higher in Spanish 11

This course is designed for students with a genuine interest in the language and culture of Spanish-speaking countries. It has a communicative approach using advanced listening, speaking, reading and writing activities. Vocabulary and grammar are reinforced through various themes and students will be able to have more extensive conversations and discussions about issues that are relevant to them. By the end of Spanish 12, students should be able to express themselves comfortably in the past, present, and future time frames using more complex structures and a wide variety of vocabulary.

MUSIC

Guitar 11 **Students may only take Guitar once. ** counts as a Fine Arts credit

For students with little or no previous guitar experience. This is a beginner guitar course designed for students who wish to learn to play guitar. The course content will include basic note reading, chord construction and chording patterns.

*Students may bring their own guitar or borrow a music department guitar with a refundable damage deposit (refunded if returned in good condition)

OTHER ELECTIVES

Creative Writing 12 - This class is an elective and does NOT meet your English 12 graduation requirement

Open to both grades 11 and 12

Creative Writing 12 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. This course will provide you with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres.

Within a writer's workshop format, you will collaborate and strengthen your skills through writing and design processes. The following are possible areas of focus: short fiction, poetry, creative non-fiction, memoir, scriptwriting. The focus of the course is experimenting with various creative writing genres and developing a Creative Writing Portfolio

Engineering 11 **counts as an Applied Skills credit

Pre-requisite: Science 10

Engineering 11 is an engaging and hands-on course designed for students interested in exploring the world of engineering. This course emphasizes the application of scientific and engineering principles to solve real-world design problems. Students will develop skills in teamwork, problem-solving, and project management through collaborative projects. Key topics include the design process, product life cycle, and the use of Physics and Math concepts for engineering modeling. A significant hands-on component allows students to bring their designs to life, building and testing their creations in interactive labs. You'll gain a solid foundation in various engineering disciplines, preparing you for future studies and careers in engineering.

Engineering 12 **counts as an Applied Skills credit

Pre-requisite: Engineering 11

Engineering 12 is for students who have completed Engineering 11 and are looking to further develop their engineering skills. Like Engineering 11 the course is primarily hands-on where students are putting theory and practical skills learned to practice by building a wide variety of different designs. New topics covered include seismic analysis, materials science, and the course places an enhanced focus on physics concepts, measurement techniques, coding and robotics compared to Engineering 11.

Horticulture & Food Studies 11**counts as an Applied Skills credit

Students receive credit for both courses (Applied Skills requirement)

This course blends the science and practice of growing food with the creativity and skill of cooking and food design. Students gain hands-on experience in the full journey of food, from soil, seed, and plant care to kitchen preparation and culinary creation.

In the horticulture component, students develop practical skills in greenhouse operation, landscaping, garden development, and plant care. They explore essential topics such as soil composition, plant biology, and propagation. Students contribute daily to maintaining greenhouse and garden spaces, nurturing plants from seedling to harvest, and participating in a plant marketing activity that provides real-world experience interacting with the public.

Through the food studies component, students explore baking, cooking, and the design process behind food products and services. They learn how collaboration, consultation, and skill refinement contribute to successful culinary creations. Students will prepare dishes for themselves and for others, applying thoughtful design and technique to create appealing and practical meals.

Why take these courses together?

- Grow it, then cook it: Students experience the full food cycle, making learning practical, meaningful, and sustainable.
- Real-world, transferable skills: Combines environmental stewardship, scientific inquiry, culinary creativity, and entrepreneurship.
- Authentic learning: Students see the direct impact of their work, from nurturing plants to creating dishes for themselves and others.
- Community connection: Opportunities to engage with school and local community through plant sales and shared food projects.

This course is ideal for students who enjoy hands-on, creative learning both outdoors and in the kitchen.

Interpersonal and Family Relationships 11 ** counts as an Applied Skills credit

Interpersonal and Family Relationships 11 explores the complexities of human relationships, offering students insights into how connections are formed, maintained, and transformed over time. This course covers a range of relationship types, including friendships, work relationships, and committed partnerships such as marriage, with an emphasis on understanding diverse cultural practices and perspectives. Students will examine key aspects of relationship dynamics, including effective communication, emotional well-being, conflict resolution, and safety.

Through the study of concepts from Psychology, Anthropology, and Sociology, students will gain a deeper understanding of the factors that influence relationships and the skills necessary to navigate them successfully. The course encourages critical thinking and self-reflection, culminating in a student-selected research project that delves into specific areas of interest within the field of interpersonal and family relationships.

Sports Medicine 11

Recommendation: PE 10

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

Student Leadership & Event Planning 11** counts as an Applied Skills credit

Recommendation: Teacher Permission

This course builds on foundational leadership skills, focusing on communication, organization, and planning within the school community. Students will collaborate with peers to design, organize, and execute school and community events, applying the design cycle throughout the process. Emphasis is placed on developing strong organizational and communication abilities, resource and budget management, adaptability, problem-solving, and creativity. By combining leadership development with practical event planning experience, students will enhance responsibility, initiative, and self-confidence—skills that prepare them for future success in school and beyond.

Student Leadership 12

Recommendation: Teacher Permission

Senior Leadership students will have the opportunity to further develop their communication skills, managerial skills, and human relations skills. They will also focus on personal and social responsibility. Students will plan many school-wide events as well as become involved in community service.

PHYSICAL EDUCATION

Classes are held in the main gym, small gym, weight room and classroom. All students are expected to wear suitable clothing for all activities. All students are expected to participate on a regular basis, the only exceptions being those who have significant injuries and/or medical excuses provided by a physician. Assessment will be based upon participation, fair play, completion of assignments and leadership.

Active Living 11 / 12

Active Living 11 is an optional elective for students interested in being physically active and learning more about overall health. Students will participate and learn more about sports such as volleyball, badminton, pickle ball, basketball, soccer, rugby, and floor hockey. They will also be exposed to off-campus leisure activities such as curling, golf, bowling and skating. Fitness testing is a mandatory component and students will try to improve their scores throughout the semester. Students will participate in group warm-ups and stretches with other PE classes during their block. They are expected to demonstrate leadership through their behaviour and work ethic. Students in Active Living 12 will be expected to instruct a lesson or mini-unit on an activity of their choice.

Fitness and Conditioning 11 / 12 (co-ed or girls)

Fitness and Conditioning is a ministry elective that has been designed to help students understand and experience some of the various elements of personal fitness. Students will be expected to maintain an accurate personal fitness log. Term end fitness tests will be administered to plot progress made toward personal fitness goals. This course is tailored for students wanting to train for competitive athletics or achieve a high level of fitness.

Sport Performance 11 –Basketball, Rugby or Volleyball

This course is offered to meet the needs of high achieving student athletes. Students taking this course should be playing on a Yale team. If you have the desire and skill required to perform at high levels in one or more sports this course is for you. The theoretical and practical experiences developed for this course will help you achieve optimal performance. Students will be expected to record their daily workouts. Testing will occur every four weeks to monitor growth and improvement. Video analysis will also be used to monitor your achievement.

Sport Performance 12 –Basketball, Rugby or Volleyball

This course is offered to prepare students to physically and mentally to be at their best as athletes and leaders. Students taking this course should be playing on a Yale team. As an athlete you will participate in performance training regime that includes free weights, Olympic lifts, flexibility and agility training. Students will be expected to record their daily workouts. Testing will occur every four weeks to monitor growth and improvement. Video analysis will also be used to monitor achievement.

PSYCHOLOGY

AP Psychology 12

Recommendation: Psychology 11 (or with teacher permission)

This course reviews and extends students' understanding of human behaviour and mental processes from Psychology 11. Topics include a review of the history of psychology and its current perspectives, research methods, biological bases of behaviour (neuroscience & genetics), states of consciousness, human development over the lifespan, and sensation & perception. Further topics include learning, social psychology, thinking, language, intelligence, testing & statistics, motivation & emotions, stress, personality, psychological disorders, and therapy. This course requires a great degree of academic rigor; the focus is on multiple choice and short answer testing, with minor consideration given to projects. As this is a university level course, self-discipline & self-motivation are vital for students to be successful. Students may receive credit for Introductory Psychology at participating colleges and universities, depending on their score on the AP exam in May.

Psychology 11

This course introduces students to the study of human behaviour and mental processes. Topics include the history of psychology and its current perspectives, research methods, biological bases of behavior (neuroscience & genetics), states of consciousness, human development over the lifespan, and sensation & perception. While this course requires some academic rigor, it will emphasize practical and personal applications of this knowledge (concrete demonstrations, labs, experiments, and projects).

Psychology 12

Recommendation: Psychology 11 (or with teacher permission)

This course builds upon students' acquired understanding of human behaviour and mental processes from Psychology 11. Topics include memory, personality, social psychology, emotions and stress, psychological disorders, and therapy. While this course requires some academic rigor, it will emphasize practical and personal applications of this knowledge (concrete demonstrations, labs, experiments, and projects).

TECHNOLOGY

Automotive Technology 11 **counts as an Applied Skills credit

Basic automotive theory and construction of modern auto systems are covered with equal theory and lab time. Oil changes, radiator flushes, tune-ups and air care are just some of the topics covered. This is an introductory course, but priority will be given to students who have taken Mechanics 10 and Metal Working 11. Coveralls or a shop coat are recommended for students who are taking this course.

Automotive Technology 12 **counts as an Applied Skills credit

Recommendation: AT 11

The Auto 12 program expands on principles of theory and shop procedures learned in Auto 11. More detailed instruction will be given in the areas of tune-up diagnosis and troubleshooting. Students are expected to work independently with emphasis placed on quality practical work rather than theory.

AT12: Engine & Drive Train 12 **counts as an Applied Skills credit

Recommendation: AT 11 & AT 12

This is a continuation of Automotive Technology 12, offering the student additional shop time and instruction for more intensive work. Students will be expected to work on self-paced theory along with an extensive project. For example, a student may re-build an engine and complete the accompanying theory-related assignments that go along with it. This course should suit students who may want to go into the trades.

***Please note: Students may have to provide their own motor or transmission depending on what is available in the shop at the time of the course offering.**

Computer Programming 11 **counts as an Applied Skills credit

(Introduction to Programming in JavaScript)

Pre-requisite: None (Students do not need to have any previous computing experience)

This is an introductory level course in computer programming. We will investigate and learn about the very popular JavaScript programming language, which powers the internet. No previous computer experience is necessary, and students will find this course to be quite flexible. The course will cover the following:

- create basic web pages
- JavaScript basics
- develop interactive websites
- variables and loops
- programming logic, structure, and functions
- basic Object-Oriented Programming concepts

Computer Programming 12 **counts as an Applied Skills credit

(Programming in JavaScript)

Recommendation: ICTP 11 or other programming experience

We will further our development of JavaScript. Part of this course will be a self-directed programming project of the student's choosing. The course will cover the following:

- JavaScript review
- Object-Oriented Programming, focusing on properties and methods
- developing an interactive website
- completing a programming project, such as a game

Furniture & Cabinetry **counts as an Applied Skills credit

Recommendation: WW 11 & WW 12

This is a continuation of Woodwork 12, offering the student additional shop time and instruction for more intensive work. Students will be expected to work on self-paced theory along with an extensive project. This course should suit students who may want to go into the trade.

Metalwork 11 **counts as an Applied Skills credit

This course is open to students in grade 10, 11, or 12. Students will explore fabricating, machining and welding. Student projects could include lathe work, milling machine work, and welding and fabricated projects. In addition to foundation fabricating and machining skills, students will have an opportunity to explore CNC plasma cutting and lost wax casting.

Metalwork 12 **counts as an Applied Skills credit

Recommendation: Metal Work 11

Students will complete a set of small skill building projects focusing on senior level machining techniques. In addition, students are expected to develop plans and to fabricate at least one major metal project. Drafting skills are an asset but are not mandatory. Students must be prepared to work in a busy shop setting. This course is a good opportunity for students to explore Abbotsford School District scholarship project options.

Women in Tech 11/12 **counts as an Applied Skills credit

**Students will learn about BC's apprenticeship system and trades related careers.

This course is open to grade 9-12 students. This is an introductory course that will introduce female students to metal work, carpentry, electrical, plumbing, automotive maintenance and computer-controlled machines (CNC). Being a project centered course, students will get to make a variety of projects. Some project examples are jewelry, candle holders, picture frames, bowls, goblets, jewelry boxes, CNC made signs, vehicle oil change and basic maintenance.

Woodwork 11 **counts as an Applied Skills credit

In this course, students will develop their skills in a wide range of woodworking operations while designing and building a set of projects in wood. Problem solving and design skills will be emphasized. Students will also gain experience relating to construction materials, wood surface protection, equipment and tool maintenance, and mass production techniques.

Woodwork 12 **counts as an Applied Skills credit

Recommendation: Wood Work 11

This course emphasizes bench work and joinery skills. Students will construct self-designed projects using various machine skills and joinery techniques. Furniture pieces, cabinets, canoes and kayaks are possible projects for this class.

NOTE: Any student wanting to complete a scholarship project should try to take this class in Semester One.

EXTENDED DAY OPTIONS

**THESE CLASSES ARE OFFERED BEFORE SCHOOL, AFTER SCHOOL OR AT LUNCH AND ARE CHOSEN IN ADDITION TO THE 8 INSIDE THE TIMETABLE CLASSES.

Concert Band 11/12 **counts as a Fine Arts elective

Pre-requisite: minimum three years of instrumental experience or see Ms. Sargent.

The main emphasis is on playing and developing technical skills on your instrument and enjoying more challenging repertoire from the band literature. Many performance opportunities will be offered at concerts, festivals and trips. Attendance at all rehearsals and performances is mandatory.

Concert Choir 11/12 **counts as a Fine Arts elective

Open to all students who wish to sing. Students do not need previous singing experience of any kind. Students will further their understanding of the vocal mechanism and basic music theory skills. The emphasis of this course is the performance of music in a variety of styles. Attendance at all rehearsals and performances is mandatory.

Jazz Band 11/12 **counts as a Fine Arts credit

Co-requisite: must be enrolled in Concert Band or see Ms. Sargent

Emphasis will be on developing technical skills in the area of Big Band Jazz. All kinds of jazz music will be explored. The instrumentation for this class is saxophone, trumpet, trombone, drums, piano, electric guitar, bass guitar, and double bass. Students must have a minimum of two years playing experience. Attendance at all rehearsals and performances is mandatory. So, if you enjoy listening to music and are interested in the roots of it this course is for you!

PE Leadership Intramurals 11/12

Recommendation: none

This class takes place at lunch time and is not part of the regular day. This is a course in which students can earn 4 credits for helping run lunchtime intramurals. Students are expected to help in the promotion, organization, set-up, take-down, scorekeeping and refereeing of the various sporting events. Events may include volleyball, soccer, basketball, badminton, pickleball, handball and floor hockey.

Yearbook 11

Recommendation: Student must have record of good attendance and work habits in previous year.

Take pictures and write articles that others will look at and read for years to come. Experience what it is like to be a press photographer, write articles under pressure and create beautiful page layouts under demanding situations. This might just be your thing.

Yearbook 12

Recommendation: Student must have record of good attendance and work habits in previous year.

Take an active role in shaping the look and feel of your last yearbook before you graduate. Depending on your strengths, you will not only help produce all aspects of the school yearbook but you may be assigned leadership responsibilities in key editorial roles.

PEER HELPERS – APPLICATION COURSES

Applications are required for these courses (see your counsellor).

ADST Assistant 12

Students selecting this course should be interested in helping teachers and students in any applied skills course (for example: Wood Shop, Foods Class). Students must have teacher permission.

Community Services 12

This course is designed to give grade 11 and 12 students the opportunity to work in an environment where they learn to provide specialized assistance to students with special needs. Students will work under the supervision of the Resource Room teacher to provide assistance to students in a variety of contexts. Students will develop instructional skills, communication skills, leadership skills, teamwork, interpersonal relations and conflict management. Students will also learn the value and complexity of social diversity. The course will include some theoretical study in the area of exceptionality, instructional skills, communication skills and leadership skills, and will apply that learning in the context of working with special needs students.

Fine Arts Assistant 11: Art/Music or Theatre

This course is an opportunity to provide assistance to a classroom teacher in the Fine Arts area (for example: music, theater, art). The course will provide leadership opportunities for advanced level students.

Lab Tech Assistant 12

This course is intended for senior students with a strong science background and a desire to continue on to post-secondary instruction in the science area. This is a laboratory course in which students expand upon some of the basic laboratory work performed within regular science courses. Students are involved in the preparation and organization of lab materials, including solutions, chemical supplies and equipment. In addition, they will be trained in the working procedures of lab preparation. Students will work independently under the supervision of a science teacher.

Peer Tutoring 11

This course is available to Grade 11 and 12 students who have a “B” average and an excellent attendance record. The course provides an excellent opportunity for students to gain experience in helping peers. Students will be assigned to work with individual students or selected classrooms. Evaluation will be based on assignments, teacher evaluation, participation and journals. This is an experiential course, so excellent attendance is mandatory.

Peer Tutoring 12

Peer Tutoring 12 is available to Grade 12 students with a solid academic background. The course will involve helping students in regular classroom teaching environments. This is an experiential course, so excellent attendance is mandatory.

PE Leadership 11

Students must apply to be in the PE Leadership 11 course. Selection in the course will be based on the student’s grade in PE 10, attitude, effort and overall leadership skills. This course is an opportunity to work on leadership skills in a recreational active setting. Leaders are required to role model physical education by becoming active participants in the class. The leaders are required to participate or lead warm-ups, stretches, drills, referee games and help keep the facilities clean and tidy.

LEARNING SUPPORT SERVICES

We have a team of teachers, counsellors, youth care workers, and educational assistants that provide students with the support that they might need, whether that be academic, social-emotional, behavioural, or cultural. There are a wide variety of students that are supported through our programs here at Yale. Enrollment in most of these programs are referred directly through the counselling department. If you are interested in learning more about any specific programs or whether you might be eligible to participate in one of these programs, please speak to your counsellor.

ACADEMIC LEARNING SUPPORT

If you have consistent difficulty with your academic classes, you may be eligible for academic support through our Learning Support Services department. There are a wide variety of students that we support through support blocks and through specific case management. There are supports that we can provide in the classroom through educational assistants (EAs), peer tutors, and facilitated teacher communication, but there are also dedicated support blocks that we can offer to students who need additional time and instruction in their course work.

Support blocks are designed as a specific support outside of the learning that happens in their regular classroom. The structure of a support block will be determined by the teacher, but time may be spent on homework completion, academic skill building, self-regulation, study and organization habits, and more – all of which can help you do your best and be successful in your academic classes!

LOTUS

We are here to provide you with support and to advocate for your needs in the school. Should you require help communicating with your teachers, someone to vent to, or someone to help you cope through a wave of anxiety, we are here for you.

Our goal is to provide a safe environment, free from all judgment, where students can feel safe to explore coping strategies necessary to manage symptoms of anxiety and depression, all the while receiving social emotional and academic support.

TRAVERSE

The Traverse Program is a supportive learning environment that helps each student grow at their own pace, based on their unique strengths and needs. We build strong, positive relationships and provide clear expectations and routines, so students feel safe and confident. Learning is engaging and personalized, focusing on the students' individual needs. We focus on developing important life skills, such as managing emotions, solving problems, and building healthy relationships, while celebrating progress every step of the way. Each student receives individualized support through tailored behavior plans, mentoring, and check-ins, and families are included as partners in their child's success. Our goal is to help every student build resilience, make positive choices, and experience success in school and in life.

INDIGENOUS SUPPORT

The Indigenous program aims to support students who identify as Indigenous in their school life. This is done through a variety of methods such as:

- Social and emotional support
- Cultural enhancement programs
- Assisting with communication between students, teachers, caregivers
- Direct academic interventions

For more information talk to you school counsellor

LIFE SKILLS/WORK EXPERIENCE

The Secondary Work Study/Work Experience program provides designated students with the opportunity to experience success while attending their neighbourhood school. Students in the program are integrated into some regular classes and participate in learning a combination of modified academics and functional skills. As part of this program, students are expected to participate in two off site work experience placements throughout the year. An Individual Education Plan (IEP) is developed for each student and addresses functional academics, social/community skills, life skills and vocational volunteer opportunities.

Process of Entry into the Program:

Eligible students would be screened into this program through the School Based Team. This screening may be part of the grade 9 transition process to secondary school. Students must demonstrate emotional self-control and the ability to adapt to new and changing situations so that they can become independent in the school and community (i.e. students must require limited supervision in the community setting and be working towards using public transportation independently).

Minimum Eligibility Guidelines:

-Students with the following designations may be successful in this program.

-Mild Intellectual Disability

-Moderate Intellectual Disability

-Autism

-Deaf/hard of hearing

-Visually Impaired

-Chronic Health

-Learning Disability (upon consultation with a school psychologist)

The majority of students in the Work Study/Work Experience program will complete school on an Evergreen Certificate Graduation program.

Work Experience

Students are given the opportunity to explore some occupational interests and experience the culture of various work settings, with “on-the-job” training. WS/WE helps build awareness of student’s potential in the working world, enhancing their self-esteem, and work readiness. The WS/We program provides the necessary level of assistance and supervision as required on the worksite, but with the goal of creating independence. The work experience portion of this program will be organized in collaboration between the teacher and the Careers YCW with the following understanding: that the student will complete two placements per year (typically 2 weeks at a time) and parents will participate with transportation.

Functional Academics

Functional academics are defined as academic areas that will be used by the student for the rest of their life. Such as reading comprehension, financial literacy, health, time management, etc. These skills will be developed through a variety of activities, either through the use of technology or traditional methods.

Life Skills

Skills that are designed to meet the living and independence needs of an individual. Personal management and social skills necessary for adequate functioning on an independent basis. Such as; nutrition, food preparation, personal hygiene, transportation, safety, community awareness, etc.

INCLUSION SUPPORT PROGRAM FOR COMPLEX NEEDS

Purpose of Program: To prepare students and assist them in becoming independent and confident members of society. To provide academic and social support to students based on individual needs. Students are integrated as much as possible with support from the special education assistants and the program teacher. When necessary, course material is modified and the student is presented with various methods by which to master it. Teaching of personal living skills and strategies to resolve frustration and stress is integral to the program.

ENGLISH LANGUAGE LEARNING

The English Language Learning (ELL) program at Yale Secondary School is offered to help students develop English proficiency so that they will be able to function in social and academic environments. This program is intended to increase student confidence and competence in English social and academic communicative proficiency. Yale offers three levels of language instruction.

Foundations of English Literacy: Oral Language

This course prepares students to learn in English by developing competency in listening and speaking skills. The intention is to build English oral language development prior to engaging with concepts of reading and writing skills. By focusing on learner identity and knowledge of their home language(s), students will be able to explore elements of oral language in English that are relevant to their academic context and daily lives.

Foundations of English Literacy: Reading and Writing

This course prepares students to learn in English by developing competency in reading and writing. Through a focus on learner identity and using knowledge of their home languages, students will explore elements of written texts in English that are relevant to their academic context and daily lives.

Language Acquisition and Development

This course is designed for intermediate and advanced English Language Learners for the purpose of developing and extending English language ability toward content acquisition in academic subjects. Students will be exposed to a variety of literature and genres of writing, such as research projects and formal essays. Language through content will be emphasized. Through this course, students will develop the academic vocabulary, language learning strategies, and critical thinking skills needed to be successful in mainstream academic classes.

Welcome Centre

This non-credited course introduces students to the multicultural aspects of Canadian society and pragmatic skills of navigating Canadian etiquette and customs. Preparation for integration into mainstream courses will include introduction to interpersonal, social, and academic vocabulary, as well as processes and language

support for electives. Students will develop basic English language ability through listening, speaking, reading and writing.