

HIGHROAD ACADEMY SECONDARY GRADE 10-12 COURSE CHOICES



Please note that many of the 10-12 courses are in development due to piloting the new Ministry of Education curriculum. Our course selection offerings will continue to be updated as the new curriculum takes shape. For more information, see the Ministry of Education website: <https://curriculum.gov.bc.ca>

Highroad Academy follows all provincial requirements for curriculum for core (required) and elective courses. High school students are guaranteed to have all the courses they need for graduation and university entrance. Because of our size, some of our course offerings are determined by enrolment.

BIBLE COURSES: BIBLE 7-12:

Bible class is an essential part of the Highroad curriculum. Every student at grade 7-12 takes 2 hours of Bible class a week in addition to a third hour of service/career education.



Bible class gives the students the opportunity to learn not only about God's Word, but also about the applications that it has for each of their lives. We include practical lessons, life issues and relevant topics that may arise throughout the course of the year. Our goal is to build the faith and understanding of each student, providing them with a foundation that will serve them well in whatever path their lives may take. Each year features a study

of a New Testament letter, helping the students to gain an understanding of the role and life of the Christian.

Bible 7 is an introduction to the Old Testament of the Bible. The students will study several major Old Testament characters, including Joseph and David. They will have an understanding of the chronology of the Old Testament, from Creation to the exile of Israel. This course features a major project for the students, an in-depth character study of one Biblical person. At the end of the year, they will study Paul's letter to the Galatians.

Bible 8 is an introduction to the New Testament of the Bible. The students will spend much of the year looking at the life and teachings of Christ, looking at all four of the Gospels. They will also examine the book of Acts and the spread of the early Church, including the journeys of the apostle Paul. The students will complete an in-depth character study of one Biblical person. At the end of the year, they will study Paul's letter to the Philippians.

Bible 9 is an introduction to some of the basic concepts of Christianity. The students will learn about prayer, understanding that it is two-way communication between us and God. They will use the Lord's Prayer as an example of how to pray. The students will then look at basic Christian beliefs, using the example of the Apostle's Creed to understand the essential beliefs of our faith. They will study the book of James, learning the behaviours of a Christian, and spend some time understanding the role of worship in our faith. Each student will also teach the class a short lesson after learning how to prepare a Bible teaching.

Bible 10 provides a more personal application and understanding of Biblical principals to the students. They will study Peter, understanding the transformational power that the Holy Spirit should have on the lives of believers. The students will look at church history, relating the issues that have faced the church over the last 2000 years to issues that are relevant to us today. They will look at Paul's letter to the Ephesians, understanding the role of grace and faith in the Christian's walk with God and what a Christian relationship should look like.

Bible 11 begins to explore deeper questions surrounding faith and the Bible. The year begins by looking at some of the covenants of the Old and New Testaments, from Adam and Abraham to Jesus and the Apostles. They will then look at the Creation/Evolution debate, understanding Biblical, scientific, mathematic and philosophical evidence for

Creation. In groups, the classes will analyze one of Paul's letters, while as a class, we will study the book of Romans. In studying Romans, they will understand the concepts of salvation, sin and reliance on God.



Bible 12 aims to prepare the students for life after high school. We begin the year by learning how to study the Bible in depth, looking at context and using reference works. The students will then discuss and study situational Christian Ethics, looking at hot-button issues like abortion, homosexuality and euthanasia. Each student will then be required to study one world religion, comparing it to Christianity and presenting the belief system to the class. They will end the year by looking at Paul's first letter to the

church of Corinth, understanding the role of the Holy Spirit in the life of the believer.

CAREER AND PERSONAL PLANNING:

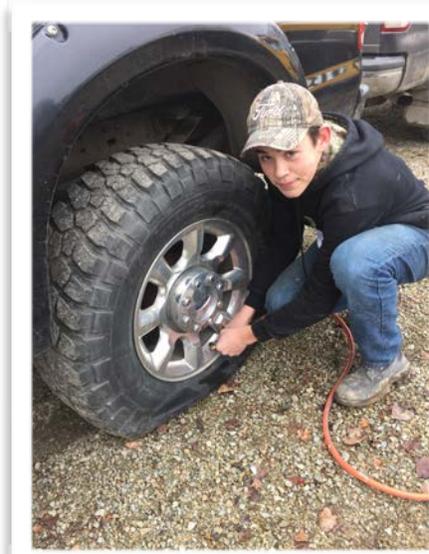
CAREER EDUCATION 7-12:

This is a key part of the new 2017 curriculum and continues to be in significant development. Outcomes for this course are taught during the student schedule. The goal of this program is readiness for life beyond high school.

SECONDARY SCHOOL APPRENTICESHIP 11-12

Secondary School Apprenticeship (SSA) is an educational program jointly supported by the Ministry of Education and the Industry Training Authority (ITA). Through participation in SSA, students earn credit toward secondary school graduation and begin earning work-based training hours toward provincially and nationally recognized industry training program credentials. Individuals complete an industry training program and become a

certified tradesperson by combining both work-based training and technical training in an apprenticeship program. Typically, industry training programs consist of 80% work-



based training under the guidance of a certified tradesperson, or equivalent, and 20% technical (in-class) training. To register with the ITA, students must have sponsors. Sponsors can be employers (e.g. the employers with whom the students are going to begin their workplace-based training), industry associations, or other legal entities recognized by the ITA. SSA Coordinators assist students and their sponsors to register apprenticeships with the ITA.

TEACHER ASSISTANT 11-12

In this locally developed course, students have an opportunity to learn more about the vocation of teaching, by assisting a teacher with clerical work and various activities. In the elementary classes, students have the opportunity to work with individual and small groups of students on activities designated and supervised by the classroom teacher.

WORK EXPERIENCE 12A

This course involves career exploration and the review of post-secondary options relevant to the individual student's interest. Job search skills are also covered. As a requirement of this course, all students must complete 30 hours of instruction and 90 hours of work experience. It is important to note that students enrolled in this course must be prepared to stay current in all course studies to enable them to participate in the work experience. Students must also be aware that work experience may extend beyond

regular school hours and/or days. In some cases, students may be required to find their own work placement with assistance from the teacher. Students may select this course in Grade 12 after completing a minimum of two courses in a specific focus area.

ENGLISH COURSES:

ENGLISH 10 EN10: ENGLISH

The English 10 program builds on the knowledge and skills acquired in English 9. As such, the six strands outlined in the English 9 program (reading, writing, listening, speaking, viewing and presenting) will be expanded. Each of these strands will be incorporated into the various genres of literature that will be taught throughout the course. The focus of this course will be for students to expand their appreciation of literature through a variety of readings, to explore new ideas, thoughts and emotions, and to express these in their written and oral work. In addition to preparing students for the English 10 provincial exam, this course will also encourage students' continued growth in understanding their place and their responsibilities as Christians in a global community.

PREREQUISITE: ENGLISH 9 ENGLISH 11 EN11: ENGLISH

The English 11 program builds upon the skills acquired in English 9 and 10. Students are expected to continue to develop and demonstrate effective reading, listening and viewing skills and strategies as well as to demonstrate knowledge and understanding of the conventions of written, oral and visual communications. Students will be required to

identify connections between their own ideas and experiences and variety of literary material and to draw reasoned conclusions from a variety of information sources. English 11 affords students opportunities to use language to explore thoughts, ideas, feelings and experiences as well as to use language to interact and collaborate with others.

PREREQUISITE: ENGLISH 10 or EN 10T

ENGLISH 12 EN12: ENGLISH

English 12 encourages the development of language through various forms of communication including writing, reading, literature analysis,



theatre, public speaking, film and other media. Developing fluency in language in these various forms is essential to learning, thinking and communicating in all cultures. The texts and media studied reflect a global approach to learning and encourage students to critically and creatively analyze their collective and individual world views. The focus on rhetorical strategies for writing and literary analysis will prepare students for success on the English 12 Provincial Exam and for success in college and university courses. Students will be exposed to a wide variety of perspectives and philosophies in an atmosphere which upholds the Christian Worldview as the standard and measure of truth.

COURSE NOTE: Provincially Examinable -Graduation Requirement

PREREQUISITE: ENGLISH 11 ENGLISH LITERATURE 12 LIT 12: HUMANITIES 11-12

ENGLISH LITERATURE 12

English Literature 12 is an academic English course designed for intellectual and spiritual exploration. The literature studied reflects the dominant philosophies of the age in which they were written. From medieval superstitions to modern angst, the beliefs of individuals and societies are reflected in the literature of the era. This course provides an opportunity to reflect upon where we as a society, are philosophically and intellectually, and the road that has taken us there. The course provides ample opportunity for discussion. Students will reflect and explore their own beliefs and attitudes as they read the English classics throughout the ages. The exploration of these classics in discussion and writing will help prepare students for the rigour of university courses. English Literature 12 is a course that will challenge students intellectually, spiritually, and academically.

PREREQUISITE: English 11 or English 10 with permission from the English Department.

WRITING 12 WR 12: HUMANITIES 11-12

This self-guided course seeks to expose students to a variety of writing styles and genres. By exploring various styles and genres of writing, this course will allow students to broaden their writing ability by practicing many different types of writing. Assignments will seek to strengthen areas of writing interest. An open mind and willingness to

experiment and write are essential elements to succeed in this course. Emphasis will be placed on the joy of writing as a personal activity as well as seeking to establish a career in writing and publishing.

PREREQUISITE: English 11 or English 10 with permission.

FINE ARTS / APPLIED SKILLS:

ART:

ART10/4VAG: FINEARTS/APPLIED

In this survey course students explore the many functions of art –design, expression, telling a story, pursuing a viewpoint, and entertainment. A variety of materials and techniques will be presented and students are encouraged to explore and learn many. This course offers projects that can contribute to one's portfolio for the future. Reach beyond the typical.



ART 11/2 YAF 11/2: FINE ARTS/APPLIED

In Art 11, students will explore in depth the mediums of drawing, painting, printmaking and sculpture. Students will learn the elements and principles of design with the aim to help them become visually literate. Art history is taught and is integrated into key units of study. Students explore themes, ideas and concepts that are both engaging and personally relevant. Art critiques and the ability to discuss personal ideas and art works play an increasingly significant role in the course. Students will have the opportunity to show their works in various displays.

ART 12/2 YAF 12/2: FINE ARTS/APPLIED

In Art 12, students will experience a wide range of materials, techniques and processes ranging from traditional to experimental. Drawing, painting, printmaking, mixed-media, and sculptural work form a major part of the program. Art history is taught and is integrated into key units of study. Students explore themes, ideas and concepts that are

both engaging and personally relevant. Art critiques and the ability to discuss personal ideas and art works play an increasingly significant role in the course.

GRAPHIC ARTS 10/4 YGAR10: FINE ARTS/APPLIED

Graphic Art 10 is an exploration of the visual world around us as we collect memories, thoughts, and ideas through photography. In class students learn how to use and operate cameras, from point and shoot to digital SLR cameras. Upon completing Graphic Art 10, the student will be able to identify and compose a successful photograph, learn how to use the camera as creative tool to document life and as a means for artistic expression. Students will learn more advanced concepts and processes from photography to image manipulation in Adobe Photoshop. This course is designed for students with interest in photography and graphic design.

GRAPHIC ARTS 11/2 YGAR 11/2: FINE ARTS/APPLIED

Photography is an excellent way to capture the moment and hold memories. It is the contents in the family album. The photograph is the essence of human history. Upon completing Graphic Arts 11, the student will be able to identify and compose a successful photograph, learn how to use the camera in a creative and confident manner as a way to document life and as a vehicle for artistic expression, and manipulate images in Adobe Photoshop. This course is designed for students with interest in photography and graphic design. The course will also explore the potential of the drawing program Adobe Illustrator.

GRAPHIC ARTS 12/2 YGAR 12/2: FINE ARTS/APPLIED

Graphic Art 12 students will learn how to communicate visually through photography. Students learn technical and compositional aspects of photography using digital tools. In Graphic Art 12, students will create a body of thoughtful, creative work presented in a well-organized portfolio. Students will be able to identify and compose a successful photograph, learn how to use the camera in a creative and confident manner as a way to document life and as a vehicle for artistic expression, and manipulate images in Adobe Photoshop. This course is designed for students with interest in photography and graphic

design. The course will also explore the potential of the drawing program Adobe Illustrator.

GRAPHIC ARTS 9 GAR 9: FINE ARTS/APPLIED

Photography is an excellent way to capture the moment and hold memories. It is the contents in the family album, and the essence of human history. Upon completing Graphic Art 9, students learn how to use the camera as creative

tool to document the world around them. Students will learn concepts and techniques in digital photography: they will understand basic properties of light, composition, and have proficiency with computer imaging. This course is designed for students with interest in photography and graphic design.

DRAMA AND THEATRE:



DRAMA 10/4 DRG10: FINE ARTS/APPLIED

The purpose of Drama 10 is to build on the many elements and skills of the dramatic arts learned earlier in Drama 9. Throughout this course you will experience, understand, and develop an appreciation for creativity and the performing arts. You will learn to trust yourselves and each-other as you explore emotions, situations, events, characters, feelings and beliefs, and creative diversity. You will learn to value the significance of the human person through self-discovery, Ensemble playing, and relationship-building exercises. You will

learn about various styles and techniques of Theatre Technicians, and have the opportunity to both experience and teach workshops building on the skills of these Theatre Artists. Drama is both academic and performance based, thus be prepared to be creatively challenged.

DRAMA 9 DR 9: FINE ARTS/APPLIED

The purpose of Drama 9 is to introduce you to the many elements of drama and the creation of the performing arts. This course prepares you for your involvement in Theatre Production while deepening your understanding of self and others. You will experience, understand, and develop an appreciation for creativity and the performing arts. You will learn to trust yourselves and each-other as you explore emotions, situations, events, characters, feelings and beliefs, and creative diversity. You will learn to value the significance of the human person through self-discovery, ensemble playing, and relationship-building exercises and games. Drama is both academic and performance based, thus be prepared to be creatively challenged.

DRAMA: FILM AND TV 11 DFT 11: FINE ARTS/APPLIED

This course focuses on storytelling using film and television as its medium. We will analyse a variety of films and television shows throughout the course to see how professionals accomplish this. The students will then use what they learn in creating their own fictional short films. PREREQUISITE: MEDIA 10 or Instructor permission

DRAMA: FILM AND TV 12 DFT 12: FINE ARTS/APPLIED

This course continues to develop the techniques learned in Filmmaking and Television 11. Students will be expected to critically engage with movies and television shows as a means to develop advanced filming techniques. Each student is strongly encouraged to prepare a submission for the Pacific Academy Film Festival as a result of this course.



PREREQUISITE: MEDIA 10 or DRAMA: FILM AND TV 11 or Instructor permission

THEATRE 11/2 YTH 12/2 TPA 11: FINE ARTS/APPLIED

TPA 11 is a course designed to develop the actor's craft. Throughout this course, students will come to understand and value performance, directing, script writing, peer critique, and self-discovery. Students, through ensemble work, will have the opportunity to learn and explore the theatre process while working on developing and producing a theatre production. Students will furthermore develop skills in auditioning, while perfecting their skill in character development, gesture, technique, and body and vocal movement. Lastly, students will be required to perform and participate in a One Act Play Production. Students in the annual play are also eligible for credit by recording their hours - more details when you sign up!

THEATRE: PERFORMING TPA 12: FINE ARTS/APPLIED

TPA 12 is a course designed to build on the skills and techniques of TPA 11, while developing skills in student- leadership. This course will develop the actor's craft. Students will come to understand and value performance, directing, script writing, peer critique, and self-discovery. Students, through ensemble work, will have the opportunity to learn and explore the theatre process while working on developing and producing a theatre production. Students will furthermore develop skills in auditioning, while perfecting their skills in character development, gesture, technique, and body and vocal movement. Lastly, students will be required to perform and participate in a One Act Play Production. Students in the annual play are also eligible for credit by recording their hours - more details when you sign up!

ECONOMICS / APPLIED SKILLS:

FOOD STUDIES 10 FDN 10 FINE ARTS/APPLIED Foods10

In Foods 10 you will begin to explore where cooking all started from. You will start building a firm foundation by being taught the principles of cooking such as mixing, baking, roasting, braising, and poaching, through a series of dishes from basic baking to breakfast, lunch and dinner. You will get to learn basic methods of cooking and will learn to apply it to whatever you can find in the fridge. Basic knife skills, time management, and how to be efficient in the kitchen will be taught along with what a servant's attitude in a kitchen looks like. You will get a chance to explore various ethnic cuisines, and you



will not only learn the classic dishes from each country, you will see how these influences have made their way to North America. You will learn what it means to cook locally, seasonally and begin knowing how to pair ingredients and flavours together. You will start to steer your way from cooking from a recipe to general methods and proportions, and cook freely based on your knowledge and technique of how to cook.

FOOD STUDIES 11 FDN 11 FINE ARTS/APPLIED Foods11

In Foods 11, you are no longer just cooking food, but rather transforming your food into edible art with the foundation that was built in grade 10. Students who are enrolled in this course will learn the foundations of principle cooking. The curriculum of this course will be similar to one found in culinary school where students will learn the classic and modern techniques of vegetable, starch, sauce, meat, and seafood cookery. This course will teach you to

cook with things you may never have heard or seen before, products that are both seasonal and local. Cooking individually, you will be steering away from cooking from a recipe entirely, and cook freely based on your knowledge and technique of how to cook. Students will use their expertise to serve the community in a variety of ways.

PREREQUISITE: FOODS 10 or Instructor permission.

FOOD STUDIES 12 FDN 12 FINE ARTS/APPLIED

This course is designed for students who are serious about cooking, whether it is because of interest or possibility of vocation. Similar to having your own fashion style, you will get to explore and develop your own cooking style as you create a portfolio of your own dishes that will appeal to ones six senses. We will study the examples of world renowned chefs in particular style of cooking and admirable character while learning to cook using their techniques.

COURSE NOTE: Foods 11 or Instructor permission

INDUSTRIAL DESIGN 10-12: ID FINE ARTS/APPLIED

Students work in a sophisticated technological learning environment designed to promote their skills, knowledge, and abilities to solve complex and varied problems.



Students take advantage of opportunities to prepare for postsecondary training and develop skills and projects for personal, in school, and service projects. Skills and tools increase in variety and complexity as students move through the grade levels.

OUTDOOR EDUCATION 7-12: YOED

This activity-based course provides opportunities for in-depth practical studies and experiences. This direct approach should appeal to all students, particularly those who learn best from physical involvement.

Students will be required to assume many responsibilities for their learning by building personal skills and through assuming responsibility for individual and group welfare. Students will participate in various activities like hiking, rock climbing, golfing, and curling.

PEER TUTORING 12A YPTU 12A: FINE ARTS/APPLIED

Are you a gifted helper? At HRA, we strive to assist students in developing their gifts and strengths. In Peer Tutoring, you will be given the opportunity to work in a chosen learning environment with HRA students. Participation in this course involves direct instruction from the subject teacher and guided tutoring sessions with the tutoring teacher. It also requires that you complete a mandatory application form. Tutors need to be responsible, reliable and trustworthy. Through coursework, students will have the opportunity to develop many communication, leadership, organizational, and interpersonal skills. In taking on a mentoring role, HRA students will be expected to learn the basic tenets of

Christian mentorship, the concepts associated with differentiated learning styles, and the value of helping other students succeed. Successful peer tutors come from a wide array of backgrounds and experiences but must be academically grounded in their chosen tutoring field of interest. Thus, a tutor's placement may range from a Primary School Math class to perhaps even a High School PE class, depending upon each tutor's gifts, strengths and interests. Experience as a tutor is not necessary but enthusiasm and an eagerness to work collaboratively are required!

STUDY SKILLS 9/10

Study Skills is designed for those who are not taking a second language 9, and are interested in developing effective learning and study skills to help them in all subject areas. It also provides an opportunity for students to receive help with their homework from other courses.

COURSE NOTE: Learning Support Approval required

TEXTILES 10-12: TEXT FINE ARTS/APPLIED

In this course students will learn basic sewing and pressing techniques, about the selection and care of fabric, and how to use a variety of sewing equipment-including the serger. Textiles 10 starts with a series of skill developing samples using time-saving techniques, which will be applied to sew 2 garments of your choice. Students will also have the opportunity to explore textile crafts and knitting. In textiles 11 and 12, students skill sets are expanded and more complicated projects are pursued.

MUSIC AND MEDIA:

JOURNALISM 11 J 11: FINE ARTS/APPLIED

Journalism 11 is a year-long course that will create a book of memories for the student body. Students will have input into what is in the yearbook, how it is ordered and ultimately take photos and create the layout for each page. Students will learn the fundamentals of desktop publishing, including image editing and page layout using proprietary software. The primary goal is to produce a high quality yearbook, on time and

at a reasonable price. Time will also be spent on marketing, promoting and selling the yearbooks. In addition to producing the yearbook, Journalism students are required to



take on an active role in featuring and promoting the school and alumni.

JOURNALISM 12 J12: FINE ARTS/APPLIED

Journalism 12 is a year-long course that will create a book of memories for the student body. Students will have input into what is in the yearbook, how it is ordered and ultimately take photos and create the layout for each page. Students will learn the fundamentals of desktop publishing,

including image editing and page layout using proprietary software. The primary goal is to produce a high quality yearbook, on time and at a reasonable price. Time will also be spent on marketing, promoting and selling the yearbooks. In addition to producing the yearbook, Journalism students are required to take on an active role in featuring and promoting the school and alumni. Grade 12 students are expected and encouraged to take on more of a leadership role within the team.

MEDIA 10-12 MED 10-12: FINE ARTS/APPLIED

This course introduces the process of audio visual technology and media production. Students will learn sound and video based on the programs and technology available on campus and will get a chance to assist in Chapel, concerts, and assemblies. Students will get to plan and create a range of compositions (from stills to videos) to better understand videography. Focus will be on learning, balancing creativity with productivity, and service. If students manage their time well, the vast majority of projects will be completed during class time.

WORSHIP: MUSIC YMLD 10: FINE ARTS/APPLIED

The goal of this class is to develop teams of musicians (both vocal and instrumental) who are trained to lead others in praise and worship. Students will learn to arrange music,

adopt various appropriate instrumentations and vocalizations, lead, and use the available technology for sound reinforcement. Students will explore relevant issues in worship, leadership, discipleship and theology. Biblical teaching will provide the foundation for our ideas about corporate and personal worship. Students will participate in planning and leading music for high school and all- school chapels, and concerts.

COURSE NOTE: PREREQUISITES: Teacher permission based on musical ability and exemplary Christian behaviour. This class is offered for a select number of students, and it is offered as an elective in addition to the regular Bible classes that all students are required to take.

WORSHIP: MUSIC YMLD 7-12: FINE ARTS/APPLIED

The goal of this class is to develop teams of musicians (both vocal and instrumental) who



are trained to lead others in praise and worship. Students will learn to: arrange music, adopt various appropriate instrumentations and vocalizations, lead, and use the available technology for sound reinforcement. Students will explore relevant issues in worship, leadership, discipleship and theology. Biblical teaching will provide the foundation for our ideas about corporate and personal worship. Students will participate in planning and leading music for high school and all- school chapels.

COURSE NOTE: PREREQUISITES: teacher permission based on musical ability and Christian behaviour. This class is offered for a select number of students, and it is offered as an elective in addition to regular courses.

LANGUAGES: HUMANITIES

FRENCH 9 FR9: LANGUAGES

In French 9 students work on the world of music and entertainment, celebrations and special events, friendships, buying and selling, exchanging information, and asking permission.

Students learn about adjective agreement, and are introduced to the perfect tense. Grade 8 French is a pre-requisite for the course.

FRENCH 10 FR10: LANGUAGES

In French 10 students learn about clothing and fashion, the world of advertising, and discoveries and inventions. They learn how to describe important events in their lives, and talk about jobs and future plans. Useful, practical vocabulary (travel inquiries, eating out, asking for directions, and booking accommodation) is presented.

Students work on different tenses, and learn about adjectives, comparisons, superlatives, and imperatives. Grade 9 French is a pre-requisite for the course.

FRENCH 11 FR11: LANGUAGES

In French 11 students work on the themes of fitness and health, healthy living, friends and relationships, and giving advice. They learn how to talk about school life and future ambitions and dreams. They learn to write narratives using past tenses. There is review and practice of reflexive verbs, and new tenses (simple future, imperfect, and conditional) are introduced. Students read "Le Malade Imaginaire" by the French playwright Molière. Grade 10 French is a pre-requisite for the course.

FRENCH 12 FR12: LANGUAGES

In French 12 students work on the themes of the French speaking world, travel, the arts, the law, and ecology. They learn how to write discursive essays, expressing opinions and presenting arguments.

Students read an abridged version of Alexandre Dumas' "Le Comte de Monte Cristo". Successful completion of grade 11 French is a pre-requisite for the course.

SPANISH10 SP10: LANGUAGES



Students extend their learning into more themes involving food and cooking, shopping, travel, fiestas and celebrations in interesting and engaging activities. Higher expectations for consistent use of Spanish in class help students build confidence and fluency while managing diverse online media content. Students develop greater proficiency in the basics while building higher level output potential in reading comprehension, oral, listening and writing skills based on a deeper cultural awareness. The DESCUBRE text with accompanying workbooks and culturally rich digital content supplement the daily routine in user-friendly scaffolded formats. All instruction is in Spanish. Workbook options, paper or online, are

available for purchase.

SPANISH11 SP11: LANGUAGES

From the strong foundation in Spanish 10, students reinforce their proficiency in the basics while building their skills to extend their learning to more diverse challenges requiring higher level thinking and processing in both cultural and linguistic contexts. Students are required to speak Spanish in class at all times fostering greater authentic interactive potential. The program is the DESCUBRE 2 textbook, accompanied by two workbooks and the excellent on-line Supersite, all of which create multi-layered, scaffolded activities deepening knowledge and application of skills. Themes relating to socially relevant topics guide them to be able to share more of their faith, inquire about and articulate plans and purposes, and ultimately, to be able to participate in an authentic immersion language experience in the school's missions program. Instruction is in Spanish

MATH COURSES:

APPRENTICESHIP & WORKPLACE Math 10

In this course, students learn about SI-Imperial conversions, problem solving using both systems, spatial reasoning, Pythagorean Theorem and triangle-oriented problem solving, trigonometry, geometry of parallel lines and polygon figures, and consumer math related to pricing, rates, and wages.

COURSE NOTE: Provincially Examinable PREREQUISITE: MATH 9

FOUNDATIONS AND PRECALCULUS Math 10

In this course, students learn about SI-Imperial conversions, problem solving of surface area and volume of 3-D shapes, trigonometry of right triangles, factoring of whole numbers and applications to square roots, and rational numbers, irrational numbers and estimation, powers with rational values, arithmetic operations on polynomials, factoring



polynomials, interpreting data, slopes and intercepts of lines, graphing and interpretation of lines, function notation, systems of lines and applications.

COURSE NOTE: Provincially Examinable
PREREQUISITE: Math 9

APPRENTICESHIP & WORKPLACE Math 11

In this course, students learn about two and three right triangle problems, working with

and converting imperial and SI units including applications to volume & capacity, proportional reasoning and unit analysis, working with scale diagrams, 3-D diagrams and exploded views, puzzle and game strategies involving patterning and numerical reasoning, budget problems, financial institute services used to manage finances, compound interest, credit, loans, problem solving with volume, surface area and slope.

PREREQUISITE: FPMa10 or AWMa10

PRE-CALCULUS MATH 11

Pre-Calculus 11 is intended to prepare students for future study of Calculus in preparation for university study of science, engineering, business, and other programs. Students learn

about absolute value, reciprocal and rational expressions and functions, radicals with numeric and variable radicands, standard position angles and related trigonometry, Sine & Cosine Law, additional topics in polynomial factoring, quadratic functions and properties, systems of quadratic and/or linear functions including applications, and arithmetic and geometric sequences and series. PREREQUISITE: FPMa10 or AWMa11

PRE-CALCULUS 12

Pre-Calculus 12 is the final preparatory math course before Calculus. Pre-Calculus 12 is often required for students wishing to embark on future study of math, sciences, engineering, and business. Topics covered: - Trigonometry: angles in standard position in degrees and radians, unit circle, trig ratios in the unit circle, graph and analyze the trig functions of sine, cosine, and tangent, solve algebraically and graphically trig equations, prove trig identities - Relations and Functions: operations and composition of functions, reflections, stretches and translations of graphs of functions and related equations, inverse relations, logarithms, graph and analyze exponential and logarithmic functions, factoring polynomials, graphing polynomials, graph and analyze radical functions - Permutations, Combinations, and Binomial Theorem.

PREREQUISITE: PCMa11 CALCULUS 12

This course continues beyond PC12 to make students ready for university level math

PREREQUISITE: PCMa11 - taken at the same time as PCMa12

SCIENCE COURSES :

BIOLOGY11 BI11: SCIENCE

Biology 11 introduces students to the knowledge and the practical skills foundational to Biology 12 while presenting an understanding of the structure, function, development, origin and evolution of living things. Students learn

advanced laboratory (dissection) techniques while gaining practical knowledge and skills that are foundational to upper level biology courses. The course begins with classification and taxonomy before progressing to the study of living things from the simple bacterium

to the most complex mammal. Students are introduced to microbiology techniques while investigating bacteria and challenged to think critically about health issues such as the overuse of antibiotics and antibiotic resistance. In In studying viruses and immunity, students learn about the evolution of influenza, the cause of pandemics as well as the impact of viruses such as HIV on global communities such as Uganda, Africa. Following study of bacteria and viruses, the form and function of increasingly complex biological systems is explored through a series of dissections and students explore the external and internal anatomy of simple animals to biologically advanced mammals. Throughout the exploration of living things, theories of origin are discussed and students are encouraged to evaluate evidence and arguments surrounding the evolutionary theory of development.

PREREQUISITE: SCIENCE 10 BIOLOGY12 BI12: SCIENCE

Biology 12 provides opportunity for the study of human biology in which students are presented with an in depth understanding of the complexity of life and the human body. In this course, students will study the form and function of the cell and cellular processes,



investigate the biochemistry of cells and the molecules imperative to life, the formation and function of proteins and enzyme function, the complexity of DNA structure and DNA replication. Through laboratory investigation, dissection and experimentation, students will then collaboratively explore the various complex organ systems of the human body from the digestive system to the nervous system. Furthermore, students will learn laboratory techniques through a variety of practical explorations including the dissection

of a fetal pig, a heart and a brain. Students will solve problems through experimentation and develop their ability to both collect and analyze data.

COURSE NOTE: Students with less than 60% in the prerequisite should recognize that without significant effort their success in this course would be unlikely.

RECOMMENDED: Chemistry 11 PREREQUISITE: BIOLOGY 11

CHEMISTRY 11 CH 11: SCIENCE

Chemistry 11 is an introductory course in basic Chemistry. Class lessons are paired with practical lab exercises where possible; labs are generally done in groups. The topics vary from practical to theoretical and are meant to give an overview of what Chemistry is about. Roughly one half of the course is heavily mathematical (addition, subtraction, multiplication, division); students will need to

perform precise calculations and will learn how to report answers to the correct number of significant figures. Students will also learn to visualize some of the conceptual topics that surround atomic theory, chemical bonding and molecular structure. Some other areas of study include measurement; nuclear chemistry; chemical reactions and reaction rates; mole calculations; stoichiometry and calculations; gases and gas laws; solutions and molarity calculations; and organic chemistry.

CHEMISTRY 12 CH 12: SCIENCE

Chemistry 12 is a unified course focused around the theme of Chemical Equilibrium in Chemical Reactions. Approximately 15 - 20% of the course is lab-related. Topics include gas and aqueous equilibrium, solubility of ionic & covalent compounds, acid and base chemistry, electrochemistry, and reaction rates in chemical reactions.

COURSE NOTE: Students with less than 60% in Chemistry 11 should recognize that without significant effort their success in this course would be unlikely.

EARTH SCIENCE 11: SCIENCE - on line

Earth Science 11 is a course designed to introduce students to the diverse aspects of geology, astronomy, oceanography and environmental science. Students will gain deeper understanding of the earth's structure, rocks and minerals, geological processes

including plate tectonics, fossil formation and geological time, the geological features and ecosystems of the world's oceans, the solar system, weather and climate. Students will be challenged to consider theories surrounding the origin of the universe, the age of the earth and the development of life as reflected by the fossil record. Furthermore, students will gain a better understanding of the impact of human activity on both local and global environments.



PHYSICS11 PH11: SCIENCE

The Physics 11 course is an introductory course that deals with the principles and theories of physics and encourages investigation of physical relationships. The course illustrates the relationship between theory and application through a variety of labs and hands-on experiences. Through the study of Physics, students will come to an understanding and appreciation of the created world we live in. Topics include kinematics, dynamics, energy, wave motion, geometrical optics, and special relativity.

PHYSICS12 PH12: SCIENCE

Physics 12 is the study of classical mechanics and electromagnetism and is designed to help students develop analytical and problem-solving skills required in the areas of science and technology. It will often be a required or recommended course for those high school students who are applying for science/engineering programs in university. This course includes a rigorous follow-up to the topics introduced in Physics 11 in addition to a substantial unit on electromagnetism.

COURSE NOTE: Students with less than 60% in the prerequisites should recognize that without significant effort their success in this course would be unlikely.

SCIENCE10 SC10: SCIENCE

Science 10 is a generalized science course that explores the applications of Science (safety and the scientific method), Environmental Science (Ecology), Chemistry (atomic structure, compounds, chemical reactions and radioactivity), Physics (motion) and Earth Science (plate tectonics). The course encourages collaborative learning through practical activities and provides opportunity for the development of laboratory techniques, data analysis and investigative skills. Students are also encouraged to think critically about ethics of scientific practice and technology as well as their global responsibility as stewards of the earth.

PREREQUISITE: SCIENCE 9

SOCIAL STUDIES COURSES:

GEOGRAPHY 12 GEO 12: SOCIAL STUDIES

Geography 12 is a course that is firmly grounded in the real world and focuses on the interactions between individuals, societies and the physical environment. This course embodies global and international awareness by examining key global issues, such as poverty, sustainability and climate change. It considers examples and detailed current case studies at a variety of scales, from local to regional, national and international. Geography 12 seeks to develop international understanding and foster a concern for global issues as well as to raise students' awareness of their own responsibility at a local level. Geography 12 also aims to develop values and attitudes that will help students reach a degree of personal commitment in trying to resolve these issues, appreciating our shared responsibility as citizens of an increasingly interconnected world.

HISTORY12 HI12: HUMANITIES11-12

History is not a bunch of dates and dead people to memorize. History is a way of thinking about the world you live in. Because the evidence is always incomplete, it isn't so much about describing, narrating or question- answering, as it is a matter of question-posing. Decisions, beliefs and issues that challenge us today are rooted in our society's memory of the past -a memory that is often flawed by untruth, myth and propaganda. This course

is about challenging what we believe happened in the past, by asking the right questions from the films, media, leaders, and other sources of information which try to tell us what to believe about ourselves. The thrill of this course is in asking the right questions and identifying the interesting problems that stimulate us to think carefully and clearly about the world we have inherited. We shall focus on the history of the 21st Century as we encounter these issues.

PREREQUISITE: SOCIAL STUDIES 11 LAW 12 LAW 12: HUMANITIES 11-12

Law 12 creates in students a greater awareness of their rights and responsibilities as Canadian citizens. The course is divided into five major modules: History and Philosophy of Law, Constitutional Law, Criminal Law, Civil Law and International Law. The hope is that by studying these areas of law, the student will attain a higher degree of social consciousness and a greater self-awareness of their place in Canadian society by being better equipped to make informed decisions, become productive citizens and recognize what conduct is regulated by law. LAW 12 is now an APPROVED course for UBC admission.



PREREQUISITE: SOCIAL STUDIES 11
SOCIAL STUDIES 10 SS 10: SOCIAL
STUDIES

Social Studies 10 is designed to provide students with opportunities to critically reflect upon events and issues that continue to shape our collective identity as Canadians, how we choose to view our past and make connections to contemporary issues. This course focuses primarily on the significant developments

that shaped Canada in the years between the War of 1812 and the First World War. The purpose of Social Studies is to encourage students in developing the understanding and skills necessary to participate and serve as thoughtful, responsible, active citizens locally and globally. Through the investigation of historical sources and multimedia accounts, and through consideration of differing perspectives, values and ideas, students will be

provided with opportunities to develop their critical thinking, communication, research and literacy skills.

PREREQUISITE: SOCIAL STUDIES 9

SOCIAL STUDIES 11 SS 11: SOCIAL STUDIES

What does it mean to be a Canadian? Many people have tried to find the definitive answer to this question, and yet we still cannot agree. Social Studies 11 is designed to allow students to explore the issue of Canadian identity. An analysis of our history, government, geography and international relationships will provide some background as to why this question continues to defy definition. The course also encourages students to critically evaluate our society, and develop Biblical responses to the issues facing Canadians. Through the course students become better aware of both matters of pride and shame in our nation's history and finally come away with an appreciation of the unique and blessed nature of our country.

PREREQUISITE: SOCIAL STUDIES 10

PHYSICAL EDUCATION COURSES:

PERSONAL FITNESS 11-12 YPFT: PHYSICAL EDUCATION:

This course focuses on the development of a personalized approach to healthy active living through participation in a variety of enjoyable fitness related activities. This course will emphasize personal fitness through weight training, cross training and cardio-respiratory training. Students will be encouraged to develop personal fitness plans and take actions to meet their defined goals. In addition they will be given opportunities to refine their decision making, and interpersonal skills, with a view to enhancing their mental health and personal safety.

PHYSICAL EDUCATION 10PE 10: PHYSICAL EDUCATION

The Physical Education Program emphasizes active living through participation in a balanced variety of movement experiences. The goal is to enable ALL students to enhance their quality of life by increasing their fitness, learning skills, and gaining knowledge on

the body. It is also guided by the following principles: •Active living requires the participation of the student, so effort is very important. • A healthy lifestyle is the focus of PE; this requires balanced nutrition, daily exercise and a positive outlook on body image.

COURSE NOTE: PE 10 is a Graduation Requirement

PHYSICAL EDUCATION 11-12: PHYSICAL EDUCATION

Physical Education 11 provides opportunities for students to experience a variety of recreational pursuits, career interests, and activities that promote lifelong, healthy living. Individual and dual activities, games, and alternative- environment activities are used for this purpose in order that students can focus their learning in areas of personal interest and participate in activities that promote social interaction, community responsibility, and skill development.

Programs are structured by the student, in consultation with their teacher, so that the duration, intensity, and frequency of activities motivate students to meet their individual goals. Students must participate in a balance of activities from various movement categories.

