



High School Course Selection Handbook

Graduation Requirements

In order to meet graduation requirements and be awarded a British Columbia Certificate of Graduation (Dogwood), students must earn a minimum of 80 credits in Grades 10-12. These must include 52 credits for required courses and a minimum of 28 elective credits. 16 credits of the 80 credits must be at the Grade 12 level (two mandated courses and two elective courses).

Students are reminded to research program requirements carefully to ensure that they are taking the necessary courses to be admitted into their post-secondary program of choice. Although second languages (French or Spanish) are not mandatory to graduate from high school, some post-secondary programs require Grade 11 credits in a second language. Colleges and technical schools also have specific admission requirements.

Mandatory Courses:

Grade 9	English, Social Studies, Science, Math, Career, PHE (Physical and Health Education), Arts, ADST (Applied Design, Skills & Technologies)
Grade 10	English, Social Studies, Science, Math (Workplace 10 or Pre-Calculus 10), Career Life Education, PHE, ADST or Arts (either Grade 10, 11, or 12)
Grade 11	English, Social Studies (either 11 or 12), Science (either 11 or 12), Math (either 11 or 12)
Grade 12	English Studies, Career Life Connections (plus at least two other Grade 12 electives)

KCS also requires the following courses: Bible Studies 9, Family & Society 10, Leadership & Discipleship Education (LEAD) 11, Leadership & Discipleship Education (LEAD) 12

Electives Courses:

Courses without links are locally developed KCS courses (Board/Authority Authorized: BAA courses). KCS will be offering some courses only in alternate years. Please check the following schedule carefully so that you ensure that you meet your post-secondary program requirements.

****Grade 9 students do not receive credits for courses except for some ADST courses on Thursdays. Grade 10 credits for some of these courses will be granted to Grade 9 students so that they can take the senior level (Grade 11 or 12) of that course without having to repeat the Grade 10 course**

Year 1: (2022-23)
Year 2: (2023-24)

Applied Design, Skills, and Technologies (ADST)			
Textiles 9/10	Open to Grade 9 or 10	Computer Studies 9/10	Open to Grade 9 or 10
Culinary Arts 9/10	Open to Grade 9 or 10	Culinary Arts 9/10	Open to Grade 9 or 10
Woodwork 9/10	Open to Grade 9 or 10	Woodwork 9/10	Open to Grade 9 or 10
Metalwork 9/10	Open to Grade 9 or 10	Metalwork 9/10	Open to Grade 9 or 10
Leadership 10 (Thursdays)	Grades 9-12	Leadership 11	Pre-req: Leadership 10
3D Design & Printing 9/10 (Thursdays)	Open to Grade 9 or 10	Drafting 9/10	Open to Grade 9 or 10
Electronics & Robotics 9/10	Open to Grade 9 or 10	Robotics 11	Pre-req: Electronics and Robotics 10
ADST Missions 11 (Thursdays)	Pre-req: Metalwork & Woodwork 10	ADST Missions 11	Pre-req: Metalwork & Woodwork 10
Art Metal and Jewellery 12	Pre-req: Metalwork 10	Metal Work 11	Pre-req: Metal 9 or 10
Textiles 11	Pre-req: Textiles 10	Housing and Living Environments 12	Open to Grade 11 or 12
Culinary Arts 11	Pre-req: Foods 10	Food Studies 12	Pre-req: Foods 10
Entrepreneurship and Marketing 10	Open to Grade 9 or 10	Marketing and Promotion 11	Pre-req: Marketing & Promotion 10
Engineering 11	Pre-req: Pre Cal 10		
Computer Programming 11	Pre-req: Pre Cal 11	Computer Programming 12	Pre-req: computer programming 11
Woodwork 11	Pre-req Woodwork 10	Furniture and Cabinetry 12	Pre-req: Woodwork 10
Child Development and Caregiving 12	Open to Grade 11 or 12	Interpersonal & Family Relationships 11	Open to Grade 11 or 12
Work Experience 12	Open to Grade 11 or 12	Work Experience 12	Open to Grade 11 or 12
Languages			
Spanish 9	Open to Grade 9 or 10	Spanish 11	Pre-req Spanish 10

Spanish 10	Pre-req Spanish 9	Spanish 12	Pre-req Spanish 11
Spanish 11 (to be confirmed)	Pre-req Spanish 10		
French 11	Pre-req French 10	French 9	Open to Grade 9 or 10
French 12	Pre-req French 11	French 10	Pre-req French 9
Arts			
Improvisation 9/10 (Thursdays)	Open to Grade 9 or 10	Improvisation 11	Open to Grade 9 or 10
Photography 9/10 (Thursdays)	Open to Grade 9 or 10	Creative Writing 9/10	Open to Grade 9 or 10
Studio Arts 2D 9/10 (Thursdays)	Open to Grade 9 or 10	Studio Arts 3D 9/10	Open to Grade 9 or 10
Instrumental Music 9/10 (Thursdays)	Open to Grade 9 or 10	Instrumental Music 11	Pre-req: Grade 10 Music
Drama 11	Pre-req: Improv 10 or Drama 10	Drama 10	Open to Grade 9 or 10
Worship Leadership 10 (after school M/W)	Grade 9-12 students	Worship Leadership 11 (after school M/W)	Pre-req: Worship Leadership 10
Math and Science			
Physics 11	Pre-req: Science 10	Chemistry 11	Pre-req: Science 10
Environmental Sciences 11	Pre-req: Science 10	Life Sciences 11	Pre-req: Science 10
Calculus 12	Pre-req: Pre-Cal 11	Pre-Calculus 12	Pre-req: Pre-Cal 11
Anatomy and Physiology 12	Pre-req: Science 10	Earth Sciences 11	Pre-req: Science 10
Physics 12	Pre-req: Physics 11	Chemistry 12	Pre-req: Chemistry 11
MythBusters 11 (Thursdays)	Pre-req: Science 10	Science for Citizens 11	Pre-req: Science 10
		Computer Science 11	Pre-req: Science 10 Pre-Calc 10
Social Studies			
Law 12		Explorations in Social Studies 11	

Social Justice 12		Political Studies 12	
20th Century World History 12		Physical Geography 12	
Psychology 11			
Physical & Health Education			
Outdoor Education 11 (Thursdays)	Open to Grades 11-12	Outdoor Education 11	
Fitness and Conditioning 11	Open to Grades 11-12	Fitness and Conditioning 12	Pre-req: Fitness and Conditioning 11
Other KCS (locally developed) courses			
Book Club 9/10 (Thursdays)	Open to Grade 9 or 10		
Global Citizenship (9/10) (Thursdays)	Open to Grade 9 or 10	Local Missions 9/10	Open to Grade 9 or 10
Teacher's Assistant 11	Open to Grade 11 or 12	Teacher's Assistant 11	Open to Grade 11 or 12

Course Descriptions

Grade 9 Mandatory Courses

Social Studies 9

How does history shape a nation and a people? Canada is a culturally and linguistically diverse country. This course tackles the big question of "Why Canada?" while exploring Canada's history from its infancy in 1750 to when it was beginning to take its first autonomous steps by 1919. Social Studies prepares students to be active members of society and therefore, the classroom should mirror this. Students will be expected to participate actively and develop their critical thinking and communication skills and have a deeper understanding of the values and events that contributed to the building of our great nation.

Math 9

In this course students will be learning operations with rational numbers, exponents, linear relations, algebra, polynomials and financial literacy. The main focus of the course is to build foundational problem solving skills that can be generalized through all future high school mathematics.

Science 9

Science 9 deals with cell Biology (mitosis, reproduction), Chemistry (periodic table and compounds), Electronics (current, circuits), and Earth Science (ecosystem cycles). Students will

have opportunities to research, experiment, design, and model a variety of topics within their learning.

English 9

In this course we will be looking at units of study which include poetry, short stories, novels, and plays. As we progress, we will also be looking at ways to improve grammar, punctuation, and spelling, as well as using various strategies to improve reading and writing. By the end of English 9, you will be able to recognize correct conventions for grammar and spelling, analyze writing for its different meanings, produce quality work for different situations, and have a firm grasp of skills in oral communication, writing paragraphs and essays, and thinking critically.

PE 9

The goal of this course is to refine the knowledge, understanding, and skills necessary to maintain physical health throughout students' lives. We aim to have students appreciate the importance of physical well-being and its relationship to the intellectual, mental and social health of all individuals. In grade 9, students will start to develop a repertoire of physical exercise and activity that they can continue into adulthood. Students will actively participate in units combining all of the activities covered in PE 7 and 8 and build on concepts learned in those grades. Students will experience multiple ways to understand and improve their fitness.

Health and Career 9

This course will have students reflect on their current preferences, skills and knowledge to help them identify the steps they will need to take to achieve their career and health goals. They will learn the value of work in their lives and in their community, and learn that society can be viewed from diverse perspectives. Various health-related informational topics and challenges of our current day will also be covered, as well as strategies for how to live an informed and healthy life. Students will learn that it will take effort, a willingness to learn new things, flexibility, and perseverance to achieve their career and health goals. Our deep hope is that students will learn and practice ideas, skills, and strategies that will enable them to confidently progress toward whatever career and informed health decisions they choose to make for themselves, with the knowledge of God's good plan for guiding those choices.

Bible Studies 9 (required by KCS)

The goal of Bible Studies 9 is to engage students in praying with and for others, and to explore the essential components of following Jesus: reading Scripture, prayer, community, mission, leadership, and worship. Students will expand their knowledge and understanding of Christian worldview through various Bible studies and programs such as "Alpha for Teens". In-class discussions and written reflections are key components of Bible Studies 9.

Course descriptions for Grade 9 electives are included with the Grade 10 elective courses.

Grade 10 Mandatory Courses

Socials 10

In this course, we will examine the major events of the twentieth century which helped shape the modern landscape of Canada. Students will develop a deeper understanding of history by reading texts of differing perspectives, challenging bias, and applying historical thinking concepts. Students will study about the different major political ideologies such as communism, fascism, socialism, and liberal democracy/capitalism and major events such as the Depression, WWII, and the Cold War. Students will learn about Canada's development both domestically and globally and be challenged to discuss complex and controversial issues both from the past and present. Furthermore, students will develop their awareness of the factors contributing to climate change and identify practical solutions. Students will be required to participate actively and continue to develop their research, critical thinking, and written and oral communication skills.

Foundations of Math and Pre-Calculus 10

In this course we will be exploring a variety of pre-calculus mathematics skills including prime factorization, polynomials, trigonometry, functions, linear equations, exponents, radicals and financial literacy. Students will be recommended for either Foundations of Math or Workplace Math based on their Grade 9 achievement.

Workplace Math 10

In this course we will explore mathematical skills within the spheres of proportional reasoning, measuring 3D objects, number skills, probability and statistics. There will be a focus on collaborative problem solving and building strategies to improve curiosity and courage in math.

Science 10

Science 10 provides an introduction to selected topics in the areas of biology, chemistry, physics, and astronomy. Through the study of these topics students will also be increasing their scientific literacy and developing scientific inquiry skills. The curricular competencies and areas of focus are: questioning, planning, analyzing, evaluating, applying, and communicating. Students will discover more about God as they see the beauty, order, and purpose evident in His creation while growing in their role of caretaker.

Composition + Literary Studies 10

Grade 10 English will focus on two main components: composition and literary analysis. Students will be introduced to the *writing process*, focusing on four main elements: thinking about writing, planning to write, creating a composition, reflecting on writing, and presenting our writing. Students will develop and strengthen a variety of different writing composition types - essays, poetry, in-text citations and acknowledgments, note taking, debating, etc. A key component of this course will be presenting and communicating our writing. Students will engage with writing processes that aim to support creativity and enhance clarity of expression. Students will engage in a variety of written texts and apply their comprehension skills; the exploration of text and story will deepen each student's understanding of diverse, complex ideas about identity, others, and the world.

Physical Health Education 10

The goal of this course is to refine the knowledge, understanding, and skills necessary to maintain physical health throughout students' lives. We aim to have students appreciate the importance of physical well-being and its relationship to the intellectual, mental and social health of all individuals. In Grade 10, students will start to develop a repertoire of physical exercise and activity that they can continue into adulthood. Students will actively participate in units combining all of the activities covered in PE 8 and 9 and build on concepts learned in those grades. PHE 10 also includes a unit relating to the importance of healthy eating as well as the dangers of drugs and alcohol. Students will experience multiple ways to understand and improve their fitness.

Career-Life Education 10

Career Education curriculum offers students the opportunity to research possible career paths in personally meaningful and goal-oriented ways. Career-life development is the process of self-discovery where students will have an opportunity to complete a variety of assessments to identify and develop their personal interests, passions, and competencies. Students complete a work readiness unit that includes resumes, cover letters and interview skills. Students will also explore topics such as Mental Health, Drug and Alcohol abuse and basic business topics such as insurance, credit and investment.

Family and Society 10

This course will allow students to self reflect on who they are, both in the physical (natural) and spiritual aspects of their life, looking at social and interpersonal relationships, and looking at healthy living, choices, and lifestyles. This course will integrate topics such as family roles, dynamics, differences, and responsibilities; social factors both in Canada and around our world, the rights of people and the influence and impact of family changes (ex: residential school impact, war and displacement, migration, etc.), and service strategies in light of cultural and social differences. The goal of this course will be to have students understand themselves (who am I, why do I think the way I do, who am I through God's eyes), understand the world around them (why is that country and belief the way it is, why has our country done what it did, how can we justify world atrocities), and finally understand how they can make a difference in their world.

Grade 9 and Grade 10 Electives

Languages:

French 9

French 9 continues to build on the written and spoken vocabulary and grammatical structures introduced in Middle School French. The course focuses on regular and irregular verb conjugation in the present and past tenses, including multiple negative forms. It will also introduce written and spoken vocabulary in the areas of comparisons, travel, shopping, professions and housing.

Spanish 9

(course description pending)

French 10

Prerequisite: French 9

In this course, students will continue to develop their written and spoken skills in the French language. Building on earlier French courses, French 10 will focus more on the development of conversational skills while continuing to develop vocabulary and grammatical knowledge. Topics include regular and irregular common verb conjugation in the past, present and future tenses, use of direct object pronouns for natural conversation flow, imperative verb forms and the use of comparative and superlative adjectives.

Spanish 10

Prerequisite: Spanish 9

In this course, students will learn increasingly complex vocabulary, sentence structures, and expressions, including: types of questions, situations and events, opinions, past, present, and future time frames, elements of common texts, common elements of stories, idiomatic expressions, and cultural aspects of various Hispanic communities. Students will learn how to speak, read, listen and write questions using all tenses and will also expand their lexical knowledge.

Arts:

Drama 9/10

Drama 9/10 focuses on the development of oral presentation, self-confidence and acting skills. Students will be exposed to the vocabulary of the professional theatre as they learn to perform through structured exercises on stage. The mechanics of script writing and stagecraft will also be explored. Students will learn to develop a character fully while participating in a full-length, staged production at the end of the semester.

Improvisation 9/10

Improv is an active participation drama course that develops quick thinking, oral presentation and teamwork skills within the broad structure of the Canadian Improv Games. The course starts with a review of basic speech delivery skills. Each student will perform regularly both as an individual and as part of a team in timed scenarios on stage. The class will culminate with participation in a Provincial festival in the spring.

Photography 9/10

Photography 9/10 is an introductory style course that focuses on the basic fundamentals of photography. Students will learn how photography is a unique art form that captures images for artistic expression. The cumulative activity will consist of a themed gallery of photos that will be presented and put on display for their peers, all while having the opportunity to have their photos featured on "Photo of the Week" throughout the school. Students will learn how to take photos that will demonstrate personal, cultural, social, environmental, and historical contexts that aim to tell a story. The students will also learn to edit and enhance photos they take using Adobe Photoshop in the Digital Media lab.

Studio Arts 3D 9/10

3D Arts is the exploration of creativity through tactile mediums, such as clay, papier mache, woodcarving, or a combination of different mediums. In this course students will learn the attitudes required for creative processes, such as collaboration, reflection, creative thinking, and problem solving while building skills with hands-on mediums, tools and techniques. Be prepared to get messy, work through mistakes, and spend time creating.

Studio Arts 2D 9/10

2D arts is the expression of ideas and creativity on a flat surface, with mediums such as painting, drawing, and printing. In this class, students will explore tools, techniques, and mediums to express creative ideas in a 2 dimensional format, while developing artist behaviors such as collaboration, reflection, creative thinking, and problem solving. This is a highly student led course, so bring your inspiration, creativity, and curiosity as we explore your artistic expression.

Instrumental Music 9/10

(course description pending)

Worship Leadership 10

Please note: this course is offered after school on Mondays/Wednesdays.

This course is intended to prepare students to lead worship in their youth groups and churches. Musicians will learn rehearsal technique, set construction and the basics of stage presentation, including conventions of public speaking. These skills will be honed through regular performance in weekly school chapel services.

Applied Design, Skills and Technologies (ADST)

Entrepreneurship and Marketing 10

Ever thought about what it takes to start a business? This course introduces students to the business world. From business plans to advertising, this course is designed for experimentation with small-scale entrepreneurial ventures. Students will be scheduled and responsible for running the KCS store during lunch breaks and during sporting events. Revenue generated will be donated to the KCS mission trips, Grade 12 Graduation, Student Council, or other student initiatives.

3D Design and Printing 9/10

This course will guide students through the design, modeling, prototyping, printing, testing, and finishing of 3D printed objects. We will be seeking to create purposeful solutions for problems to help those in our communities.

Computer Studies 9/10

This course is designed to improve and extend students' overall digital literacy skills. Units of study include communication (effective email skills), use and organization of Google classroom, typing, word processing, spreadsheets, presentation, and coding. Major projects will include building web-pages, designing simple games, and creating powerpoint animation storybooks. Ethical considerations of technology and design will be discussed throughout the course,

focusing on how our digital footprints should enhance our role as image-bearers of God. Students will be expected to demonstrate proficiency with basic level skills and then will be encouraged to develop the scope and content for independent projects which extend their skills.

Culinary Arts 9/10

This is an introductory cooking class in which students will learn a variety of useful cooking techniques and kitchen skills while experiencing tasty food. Students will learn about safe food practices, kitchen safety, and the Canadian food guide. Units may include baking, breakfast, lunch, supper, and snacks. Students will be introduced to multiple cooking methods, proper use of tools, and appropriate clean up routines. This is a lab based course in which learning will be experiential and design based.

Metalwork 9/10

This course is designed to be an introduction to the metal shop for students with or without previous basic experience. It will provide in-depth knowledge of employability skills for industry jobs. This class creates a rudimentary understanding of safe shop practices, metalwork operations such as hand tools, power tools, and welding equipment. Layout and design skills are taught to enable students to explain and work through construction of a small metalwork project.

Woodwork 9/10

This course is designed to help students develop the skills and confidence to design and create any number of objects with wood. Starting with an evaluation of what the use of the item is and who and where it will be used. The student is to create and convey a design that can be constructed. Once a project design is created and refined the student gathers material, lays out a sequence of steps and executes construction using power tools as well as hand tools.

Textiles 9/10

Textiles is a design based class which uses soft media as its primary "material." Students will learn to construct projects using patterns/designs and to apply appropriate textiles based skills such as embroidery, felting, weaving, knitting/crochet, machine sewing. Students will be introduced to different fabrics, basic fitting techniques, various surface design techniques (printing, stamping, dyeing), and the use of basic commercial patterns. Students will learn: the use and care of sewing machines and pressing equipment; measurement techniques; basic pattern fitting; and a variety of construction skills. This is a project-based course.

Electronics and Robotics 9/10

This is a very hands-on introduction to robotics where students will learn the foundations of robotics. We will learn some fundamentals of electronics and coding as we complete prescribed tasks and challenges using a variety of sensors to control our robots.

Book Club 9/10

Students will read a variety of non-fiction and fiction books throughout the semester. The focus of the course is to build discussion skills through engaged listening of others' perspectives,

critical thinking and questioning, and practicing using evidence from the book to support opinions. Students will practice respectful, inclusive community building and reflect on how themes connect to their faith.

Local Missions 9/10

Local Missions is a service learning course intended to help students grow in Christian character and identity. Students will develop their capacity for empathy and compassion while exploring outreach opportunities within their community. Just as faith without works is dead (James 2:14-17), empathy and compassion are meaningless without action. Students will be asked to develop and implement plans to help meet the needs they find within our community. Through the process of acting as justice seekers and servant workers, students will regularly reflect on their experiences and what it truly means to be image bearers of God.

Leadership 10

This course is designed to provide a basic introduction to leadership by focusing on what it means to be a good leader. Emphasis in the course is on the practice of leadership. The course will examine topics such as: understanding leadership; recognizing leadership traits/styles; engaging people's strengths; attending to tasks and relationships; developing leadership skills; creating a vision; establishing a constructive climate; listening to out-group members; handling conflict, and overcoming obstacles. Students will assess their leadership traits and skills to improve their own leadership performance. This learning will be practically applied to the development and implementation of the KCS High School Student Council program.

Global Citizenship 9/10

This course will explore contemporary global issues, with a focus on developing students' skills and understanding of global citizenship. Class discussions and assignments will build habits of understanding and respecting various perspectives, and outreach projects will provide tangible ways of practicing citizenship skills. Students will practice justice-seeking skills and will regularly reflect on how their actions, both locally and globally, can build a strong community.

Grade 11 Courses

Humanities

Explorations in Social Studies 11

This is a survey course that gives students the opportunity to study various topics in Humanities. In this course, students will build a strong foundation across many skill sets, engage in inquiry and community based learning, and improve critical thinking abilities. Primarily an inquiry based course in which students will study historical events in order to gain an understanding of the people, places, issues, and events that have shaped the world they live in. Students will be provided opportunities to learn about Canadian society, our democratic institutions, and the rights and responsibilities of Canadian citizens. Students will explore how they can have an impact on the decisions made in their society and advocate for causes important to them. Students will also understand the importance of being open to new ideas and civil to those with whom they disagree in creating a healthy and vibrant democracy.

New Media 11

This course is designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. New Media 11 recognizes that digital literacy is an essential characteristic of the educated citizen. Students will learn to think critically about the stories they consume and are given a working knowledge of current media trends. 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.

Composition 11

Students will be re-introduced to the *writing process*, focusing on four main elements: thinking about writing, planning to write, creating a composition, reflecting on writing, and presenting our writing; students will also learn how to create and input in-text citations. This course will engage the students with a class novel study, as well as the study of a famous Shakespearean play. A key component of this course will be presenting and communicating our writing. Students will engage with writing processes that aim to support creativity and enhance clarity of expression. Students will engage in a variety of written texts and apply their comprehension skills; the exploration of text and story will deepen each student's understanding of diverse, complex ideas about identity, others, and the world. This course has students work on an independent novel study throughout the term, where students are responsible for choosing their own novel, critically responding to their text, and presenting their comprehension of the novel in a unique and creative way.

Leadership Education and Discipleship 11 (required by KCS)

This course includes a focus on leadership qualities and skills, discipleship through Bible studies, exploration of culture and cultural differences through online modules (Global Intercultural Studies 12) and an international trip to Guatemala to serve with Impact Ministries. This course blends discipleships (following Jesus) with practical experience in serving others. Successful completion of GIS 12 (online assignments plus 90 hours of volunteer hours) within LEAD 11 results in 4 credits.

Science and Math

Pre-Calculus 11

In this course we will be exploring a variety of mathematics skills which will prepare students for the math required in calculus and the sciences. This will include factoring polynomials, quadratic equations and functions, linear and quadratic inequalities, real number systems, radical expressions, financial literacy, problem solving skills and more.

Workplace Math 11

In this course we will continue to explore mathematical skills within the spheres of proportional reasoning, finances, 2D and 3D objects, number skills, probability and statistics. There will be a focus on collaborative problem solving and building strategies to improve curiosity and courage in math.

Chemistry 11

Chemistry 11 is an overview of the behaviour of and interactions between atoms and molecules. Students will discover the structure of atoms and look at various models scientists use to explain atomic properties and behaviour. They will also study the many ways atoms interact with one another, the new properties that may appear, the energy changes that may result from these interactions, and learn to predict, classify, and quantify chemical reactions. Students will investigate the implications of organic chemistry on life and our understanding of creation while exploring what it really means to be caretakers of creation and image bearers of God.

Life Sciences 11

Life Sciences 11 is an overview of the characteristics shared by all living things as well as the unique features of plants, animals, and microorganisms. Students will discover more about God as they see the beauty, order, and purpose evident in His creation through the study of biology. Students will see how life is the result of continuous interactions at the cellular and molecular level and examine how complex “simple” lifeforms can truly be. They will delve into the realm of flora and discover ways organisms are able to adapt, change, survive, and thrive through evolutionary processes. Finally, students will investigate the animal kingdom and consider the various ways that organisms are grouped and classified.

Physics 11

(Course description pending.)

Earth Science 11

(Course description pending.)

Environmental Sciences 11

(Course description pending.)

Computer Science 11

(Course description pending.)

Mythbusters 11

(Course description pending.)

Physical and Health Education

Fitness and Conditioning 11

This course teaches students that their own personal fitness can be maintained or enhanced through participation in a variety of activities at different intensity levels. Students will learn how their bodies move and function and that this knowledge helps them to stay safe during exercise. Students will be taught proper training guidelines and techniques that will help them reach their health and fitness goals and also learn that their personal choices influence those health and fitness goals.

Outdoor Education 11

Students will become familiar with basic survival training, knowledge of our local environment, and will experience a variety of outdoor excursions with the intention of helping students grow in their awareness of God's creation. We hike, bike, fish, learn outdoor survival skills, play outdoor games, learn orienteering, snow shoe, and cross country ski.

Languages

French 11

Building on written and oral skills acquired in French 10, this course continues to build written and oral fluency through additional verb tenses, grammatical structures and vocabulary. Topics covered include object, interrogative and relative pronouns, the imperfect tense, the conditional tense and common irregular verbs.

Spanish 11

(Course description pending.)

Arts

Drama 11

Drama 11 focuses on the development of oral presentation, self-confidence and acting skills. Students will be exposed to the vocabulary of the professional theatre as they learn to perform through structured exercises on stage. The mechanics of script writing and stagecraft will also be explored. Students will learn to develop a character fully while participating in a full-length, staged production at the end of the semester.

Improv 11

Building on the performance skills of Improv 10, this course expands the field of play to include longform improvisations and develops basic method acting techniques. Students at this level are expected to be leaders on their competitive improv teams, demonstrating thorough knowledge of Canadian Improv Games structure.

Photography 11

Photography 11 expands on the gathered fundamentals of Photography 10. Students will continue to extend their understanding of Adobe Photoshop and create more worthwhile captures. Students would have created a portfolio in Photography 10 and will continue to add, edit and grow their photos, fine tuning their editing skills, applying and reapplying the fundamental principles of photography. The students will dive into a mini-research assignment that will have students study a Canadian photographer and display to the class some of their work as well. The students will also continue to edit and enhance photos they take to re-enhance their digital portfolio.

Instrumental Music 11

(Course description pending.)

Worship Leadership 11

Please note: this course is offered after school on Mondays/Wednesdays.

This course is intended to prepare students to lead worship in their youth groups and churches. Musicians will learn rehearsal technique, set construction and the basics of stage presentation, including conventions of public speaking. These skills will be honed through regular performance in weekly school chapel services. Students will have the further opportunity to develop technical skills providing audio-visual support, including video production and the use of the sound board.

Applied Design, Skills, and Technologies (ADST)

Marketing and Promotion 11

(Course description pending.)

Computer Programming 11

(Course description pending.)

Engineering 11

(Course description pending.)

Family and Interpersonal Relationships 11

The goal of Interpersonal and Family Relationships is to provide students with an overview of how relationships form and change, as well as the importance of effective communication skills. Students will explore a variety of relationships, including work relationships, friendships, and committed relationships, as well as examine how these relationships evolve or end. This course will primarily contain components of researching topics, in-depth class discussions and reflection papers. Students will also be expected to design services or products which address needs in our community (related to course content). Through this course, we will strive to be community-builders, bringing enhanced communication and relationship skills into all of our interactions with others.

Psychology 11

Psychology studies the well-being of the self, the family, and the community under God. The Psychology topics for this course will include personality, memory, consciousness, motivation and emotion, and mental health and psychological disorders. Students will use the content knowledge of the course and apply this knowledge through various meaningful activities such as group or class discussions, research reports, debates, and experiments. Students will develop strong research skills, learn to write a psychology paper, and conduct their own psychology experiment.

ADST Missions 11

This course is designed to be a way for our more experienced trade students to give back to the community and at the same time use and expand their industrial arts skills. It will provide in-depth knowledge of employability skills for industry jobs and a basic understanding of safe shop practices. This class will explore the safe use of wood and metal-work tools. Some of the

tools that students will be exposed to are: lathes, metal cutting, grinding and welding equipment as well as table saws, bandsaws, mitre saws, planers and jointers. This class includes layout and design skills for all projects. ADST Missions is designed to create an opportunity for students to create items in various mediums that can be sold to raise money to support local and global Christian missions. This class also creates opportunities for students to work with outside organizations on larger building projects that encompass all trades skills

Metalwork 11

This course is a continuation of the Metalwork 10 curriculum. It will provide in-depth knowledge of employability skills for industry jobs, a good understanding of safe shop practices, basic metalwork operations such as hand tools, lathes, and welding equipment. This program covers several layout and design skills. This class will focus on fine metal work cutting and joinery (welding).

Culinary Arts 11

Culinary Arts 11 is a cooking class which focuses on culinary best practices; principles of culinary methodology; refinement of culinary techniques as well as the art of preparing, cooking, and presenting meals to enhance the dining experience. Students will implement food safe practices and proper kitchen sanitation while expanding on student knowledge of flavour pairing, food preparation techniques, function of ingredients, and skillful use of equipment. This is a lab based course in which learning will be experiential and design based.

Textiles 11

Textiles is a design based class which uses soft media as its primary “material.” Students in Textiles 11 will extend their skills to include designing their own project patterns, altering commercial designs to suit, and grow their skills in embroidery, felting, weaving, knitting/crochet, and machine sewing. They will apply a growing understanding of fabrics, fitting techniques, surface design (printing, stamping, dying), to their personal and client based design projects. This is a project-based course.

Teaching Assistant 11

This course provides students with opportunities to build core competencies such as communication, personal responsibility, and social responsibility. Students will be placed in a preferred setting when possible (elementary classroom, Middle School classroom, or HS course) to support the teacher and work with students. Students will be responsible for completing core competency self-assessments, setting goals, and documenting their learning through written or recorded responses. Through assisting others, students will have authentic experiences in the rewards and challenges of being a servant leader.

Grade 12 Courses

Humanities

English Studies 12 (mandatory course)

This course is designed to uncover one’s self through story. What factors shape our beliefs and values? How can narratives of experience change our perspective and provide insight into our

own lives? Students will attempt to answer these questions of self-discovery through means of creative writing, independent literature analysis, along with open conversations and debates - supported with textual evidence. Constructing meaningful personal connections between self, text, and the world comes with approaching literature with both an open-mind, and the drive to apply what it learned to one's life. Students will be required to demonstrate their comprehension orally (throughout debates and class discussions), as well as through the application of the writing process.

Career & Life Connections 12 (mandatory course)

Career and Life Connections 12 curriculum offers students many opportunities to explore and develop personal interests, strengths, and competencies while making connections with experiential learning, career-life possibilities, and preferred post-graduation opportunities. Students discover that career-life development is not simply figuring out what they want to be when they grow up, but a lifelong journey of being and becoming who they want to be in the world and how they can make meaningful contributions in their communities. Students will also complete their mandatory Capstone project in this class.

Social Justice 12

He has told you, human one, what is good and what the Lord requires from you: to do justice, embrace faithful love, and walk humbly with your God. - Micah 6:8 CEB

Social Justice 12 is a course designed to develop one's ability to critically examine and reflect on what it means to live in a just society. In this course students will explore how power, privilege and oppression work in systems, culture, and personal behavior. They will build their own capacities to make positive change in the world, and to advocate for systems and norms that align with their values. We will examine current issues of inequality and injustice from a Canadian viewpoint as well as from a world viewpoint through various forms of story.

Housing and Living Environments 12

(2023-24; description will be included by January 2023)

Law Studies 12

Law Studies 12 helps students understand how laws and regulations are made, applied and reviewed, better understanding the role of law and the benefits of the legal system. Law Studies 12 fosters skills and attitudes that enhance students' abilities to address legal, social and ethical issues, and reflect critically on the role of law in society. Major topics include the Canadian constitution, division of powers, criminal and civil law, contracts, employment law, family law and court procedure.

20th Century World History 12

We cannot move forward without knowing where we came from! This course focuses on 20th Century World History (1901-2000), where students will learn how particular nationalist movements united people in common causes, or led to intense conflict between different groups. Students will learn how the rapid development and proliferation of communication and transportation technologies in the 20th century led to profound changes in personal and national

identities. Finally, students will learn how the breakdown of long-standing imperialist structures created new economic and political systems. Portions of this class will be presented in the form of a lecture, where students will continue to expand upon their notetaking skills and engage in class discussions.

Political Studies 12

(Course description pending.)

Physical Geography 12

Physical Geography 12 is a comprehensive, which examines the world around us from both a regional and global perspective using the five themes of geography, namely location, place, human/environmental interaction, movement and regions. Learners will investigate physical geography topics such as the cause and effects of plate tectonics, gradational processes, weather and climate, biospheres and energy, and then apply this knowledge to understanding some of the many of the problems associated with managing our environment including various types of pollution and their role in global warming and global dimming.

Leadership Education and Discipleship 12

This course continues from LEAD 11 with a focus on leadership qualities and skills, discipleship through Bible studies, exploration of culture and cultural differences through online modules (Global Intercultural Studies 12B) and an international trip to Guatemala to serve with Impact Ministries. This course blends discipleships (following Jesus) with practical experience in serving others. Successful completion of GIS 12B (online assignments plus 90 hours of volunteer hours) results in 4 credits. **Please note that we are currently “catching up” students with a first mission trip to Guatemala (delayed due to Covid-19) but will hopefully be adding a second international trip by 2023-24.*

Comparative Religions 12

This course allows students to explore the human desire to connect with God and to understand how God has created all people with the desire to seek Him. Students will learn about the beliefs of core religions (Islam, Judaism, Sikhism, Buddhism) and will compare those beliefs to Christianity. Students will be encouraged to reflect on and to explore their own spiritual need for God's compassion, love, and redemption.

Science and Math

Pre-Calculus 12

Pre-Calculus 12 is a continuation of several topics introduced in Pre-Calculus 11. Students will discover more about God as they see the logic, order, and patterns evident in His creation through the study of mathematics. Pre-Calculus 12 is intended to encourage numeracy and develop mathematical problem solving skills. The curricular competencies and areas of focus are: reasoning, solving, representing, applying, and connecting. They will explore geometric sequences and series before moving on to the study of functions. Students will see the components of each individual function as well as methods of function transformations such as

vertical translations or stretches for rational, radical, polynomial, exponential, logarithmic, and trigonometric functions.

Calculus 12

Calculus 12 is an introduction to the concept of limits, differentiation, and integration of functions. Students will examine the behaviour of functions which may or may not be continuous and determine limits near end points or boundaries. They will see mathematical notation as well as basic differentiation rules such as the power rule before moving on to practical applications and graphical features. Students will discover how to find the area beneath a curve, explore different methods to approximate integrals, and investigate practical applications in fields such as physics.

Anatomy and Physiology 12

(Course description pending.)

Chemistry 12

Chemistry 12 is a continuation of topics in Chemistry 11 investigating the interactions of atoms and molecules. Students will examine conditions necessary for chemical reactions to occur, energy changes during reactions, factors that influence the rates of reaction, and reactions that establish an equilibrium rather than going to completion. They will investigate specific equilibrium systems, such as weak acid/base solutions or slightly soluble materials, then discover ways that equilibrium may be shifted. Students will discover more about God as they encounter the idea of entropy and explore some of the natural processes that are the result of our fallen state such as the oxidation reactions that produce rust.

Physics 12

Physics 12 is a continuation of topics from Physics 11 related to the natural laws God put in place to govern the behaviour and energy of objects in motion, from electrons to planets and galaxies. Students will delve deeper into the relationship between forces, energy, and momentum. They will observe circumstances where mechanical energy may not be conserved, such as inelastic collisions, and will expand their conservation laws to include momentum. Students will revisit one and two dimensional motion by considering more complex situations such as objects in different frames of reference and objects in circular motion. Finally, students will investigate the concept of fields as they study the motion, behaviour, and energy of objects within gravitational, electric, and magnetic fields.

Languages

French 12

This course begins with a comprehensive review of French 10 and 11, then builds on that material, introducing the uses of the subjunctive mood, simple future tense and relative pronouns. Of course, common vocabulary will continue to augment the oral and written practice of the old new grammatical structures. This class places significant emphasis on conversational French.

Spanish 12

(Course description is pending.)

Applied Design, Skills and Technologies (ADST)

Child Development and Caregiving 12

In this course, we will be learning about children from conception to birth, and phases of development. We will examine how to care for children, and how children are raised in different cultures. Students will explore beliefs and attitudes toward children, especially in terms of Christian family values. Students will also be expected to design service strategies related to child development and care. Through this course, we will strive to be community-builders and image-reflectors as we research effective ways of caregiving.

Art Metal and Jewellery 12

This course is designed to be a continuation for students with previous experience (Metalwork 10 and 11). It will provide in-depth knowledge of employability skills for industry jobs, understanding of safe shop practices, and in-depth metalwork operations such as hand tools, lathes, milling machines and welding equipment. This class will focus on fine metal work cutting and joinery (welding) and metallurgy.

Furniture and Cabinetry 12

This course will use complex woodworking and design concepts and plans (pictorial and written) to create furniture and cabinetry products. Choice of wood, prototyping, analysis and identification of defects, methods of preparing surfaces for application of finishes, tool sharpening procedures, as well as future career options in this field will be explored.

Work Experience (WEX) 12A and 12B

**Note: most of this course is completed outside of school hours.*

This program allows students to build important core competencies as they are working or volunteering. These experiences outside of the school allow students to expand their workplace skills and career-life options while providing opportunities for self-discovery and personal awareness. Students will learn about occupational health and safety rights and responsibility, injury prevention, job search and interview skills, and the benefits of volunteering.