

Course Selection Overview

All students are expected to enroll in EIGHT courses.

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Bible 8	Bible 9	Bible 10	Bible 11	Bible 12
English 8	English 9	English10	English 11	English 12*
Social Studies 8	Socials Studies 9	Social Studies 10	Comparative World Religions 12 (Church History)	20 th Century World History 12
Mathematics 8	Mathematics 9	Workplace Math 10 <u>or</u> Foundations of Math 10 <u>or</u> Pre-Calculus 10	All students must successfully complete at least ONE Math 11 or 12 course	
Science 8	Science 9	Science 10	All students must successfully complete at least ONE Science 11 or 12 course	
Physical & Health Education 8	Physical & Health Education 9	Physical & Health Education 10	Not required	Not required
Fine Arts & Applied Skills 8	Career Education 9	Career-Life Education 10	Community Connections 11	Career-Life Connections 12
French	Electives: (Choose ONE of the following) French 9 Textiles 9 Instrumental Music 9 Technology Education 9 Note: Timetable accommodations can be made for students desiring French <u>and</u> Band.	Electives: (Choose ONE of the following) French 10 Textiles 10 Instrumental Music 10 Technology Explorations 10 Note: Timetable accommodations can be made for students desiring French <u>and</u> Band.	Electives: (Choose FIVE of the following) Workplace Math 11 Foundations of Math 11 Pre-Calculus 11 Life Sciences 11 Chemistry 11 Physics 11 Science for Citizens 11 French 11 PE 11: Active Living Accounting 11 Art Studio 11 Instrumental Music 11 Business Computer Applications 12 Media Design 11 Engineering 11 Metals 11 Graphic Production 11 (Journalism) Textiles 11 Woodwork 11	Electives: (Choose FIVE of the following) Workplace Math 11 Foundations of Math 11/12 Pre-Calculus 11/12 Calculus 12 Life Sciences 11 Anatomy and Physiology 12 Chemistry 11/12 Physics 11/12 Science for Citizens 11 French 11 Law Studies 12 PE 11: Active Living PE 12: Active Living Accounting 11 Art Studio 11/12 Instrumental Music 11/12 Business Computer Applications 12 Media Design 11 Graphic Production 11 (Journalism) Graphic Production 12 (Yearbook) Woodwork 11/12
<p>Notes: Students must successfully complete at least ONE Fine Arts and Applied Skills course (highlighted in red) during their grade 10, 11 or 12 year to meet graduation requirements. * = courses with government exams</p>				

Senior Courses Offered At Credo (Required Courses Are Underlined)

NOTE: Choose a total of 8 courses and 1 alternate course option when making selections on the MyEducation website.

If you do not meet the minimum expectations for a course you wish to take, please consult with the school administration.

Humanities Courses

Biblical Studies 11 YPHR-1A

A study of current ethical issues, the book of Acts and Revelations and an introduction to the New Testament letters.

Biblical Studies 12 YPHR-2A

(requires Bible 11)

A look at worldview issues, the Psalms, wisdom literature, and the amazing book of Romans.

English 11 options (choose alternates)

Creative Writing 11 MCTWR11

Continue to develop ability to write in a variety of forms.

Literary Studies 11 MLTST11

Survey of English literature in its historical context from the Anglo-Saxon era to the present.

New Media 11 MNMD-11

A survey of the history, themes, contexts, and messages of film.

Spoken Language 11 MSPLG11

Participate in dramatic and performance-based activities that use the spoken word.

English 12 MEN-12 (requires English 11)

Covers short stories, poetry, famous essays, and of course, an amazing Shakespeare play!

French 11 MFR-11 (requires French 10)

Continue to build fluency in the French language especially in the context of francophone culture around the world.

Comparative World Religions 12 MWRL-12

(Church History 11)

A survey of church history from Biblical times to the present.

20th Century World History 12 MWH-12

(can only be taken in Grade 12)

European history from WW1 to the mid 1990's.

Law Studies 12 MLST-12

Crime investigation, criminal profiling, punishment, rehabilitation, case studies, and court visits.

Science Courses

(pay attention to minimum expectations)

Life Sciences 11 MLFSC11

(min 60% in Science 10)

Study of evolution, classification, and the five kingdoms of living organisms.

Anatomy and Physiology 12 MATPH12

(min 65% in Life Sciences 11 or Chem 11) (or take concurrently)

Cell biology and human anatomy.

Chemistry 11 MCH-11

(min 65% in Science 10 & PreCal 10)

Atomic theory, stoichiometry and organics.

Chemistry 12 MCH-12

(min 65% in Chem 11 & PreCal 11)

Reaction kinetics, equilibria, and electron transfer.

Physics 11 MPH-11

(min 65% in Science 10 & PreCal 10)

Force, motion, energy, and waves.

Physics 12 MPH-12

(min 65% in Phys 11 & PreCal 11)

(Recommend also taking PreCal 12)

Vectors, centripetal gravitational and electromagnetic forces.

Science for Citizens 11 MSCCT11

An exploration of the impact of science on our lives.

Physical Education

PE is not required if students have taken PE in Grades 8, 9, and 10.

PE 11 - Active Living MACLV11

Focus on team and individual sports.

PE 12 - Active Living MACLV12

(requires PE 11)

Focus on team and individual sports.

Choose at least one Science in Grade 11

Math Courses

(pay attention to minimum expectations)

Workplace Math 11 MWPM-11

Math essentials useful for daily living and the workplace.

Foundations of Math 11 MFOM-11

(min 60% in FMP 10)

Academic math for non-science and math majors.

Foundations of Math 12 MFOM-12

(min 60% in FOM 11 or PreCalc 11)

Focuses on both math theory and practical applications.

Pre-Calculus 11 MPREC11

(min 65% in FMP 10)

Prepare for university math/science.

Pre-Calculus 12 MPREC12

(min 65% in PreCalc 11)

Prepare for university calculus.

Calculus 12 MCALC12

(must take concurrently with PreCalc 12)

University calculus.

Choose at least one Math in Grade 11

Applied Design, Skills, and Technologies

Accounting 11 MAC-11

Managing business finances.

Art Studio 11 MVASt11

Level 1: Creating and responding to 2D and 3D art forms.

Art Studio 12 MVASt12

(requires Art Studio 11)

Level 2: Creating and responding to 2D and 3D art forms.

Graphic Production 11 MGRPR11

Develop photography, writing, interviewing and computer skills to create Credo's Yearbook and Pilastra.

Graphic Production 12 MGRPR12

(requires Graphic Production 11)

Become the seniors in charge of the current Yearbook. (Note: 4 students max)

Business Computer Applications 12

MBCA-12

Become experts with Microsoft Office learning typical computer skills required for a business environment.

Engineering 11 MENR-11

Designing and building projects using a variety of materials (includes Drafting).

Foods 11 MFOOD11

Focus on cooking techniques, using food from a variety of cultures.

Metalwork 11 MTMET11

Introduction to the safe operation of various tools and equipment in a metal shop, and to design and create metalworking projects.

Media Design 11 MMEDD11

Intro to creating digital art using Adobe Illustrator and Photoshop.

Instrumental Music 11: Concert Band MIMCB11

Level 1: Instrumental music in a wind band setting.

Instrumental Music 12: Concert Band MIMCB12 (requires Band 11)

Level 2: Instrumental music in a wind band setting.

Textiles 11 MTXT-11

Applying basic garment construction techniques in the completion of a skirt and blouse.

Textiles 12 MTXT-12 (requires Textiles 11)

Tailoring techniques are used to line a skirt and coat.

Woodwork 11 MWWK-11

Intro to cabinet making.

Woodwork 12 MWWK-12

(requires Woodwork 11)

Intro to residential construction.

Actual course offerings are subject to change depending on enrolment, timetabling restrictions, staffing, and other factors.

2021-2022

Course Calendar

Credo Christian High School

Please click any of the following links:

[1. COURSE OVERVIEW](#)

[2. CURRICULUM STRANDS](#)

[3. GRADE 9 COURSES](#)

[4. GRADE 10 COURSES](#)

[5. GRADE 11 AND 12 COURSES](#)

[6. SUMMARY OF SENIOR COURSES](#)

CURRICULUM STRANDS

The curriculum is the educational program offered by the school. This curriculum is organized into various broad categories of **curriculum strands** within which are found courses offered. It may be that courses can fall within two (apparently) different curriculum strands. This is particularly so in grades 11 and 12 where graduation requirements can be met in a variety of ways.

1.1 Applied Design, Skills, and Technologies

The ADST area includes the curriculum areas of **Business Education**, **Home Economics**, and **Technology Education**.

1.11 Business Education

Students need economic, financial, and consumer skills to help them fulfil their roles as Christian stewards in society. The knowledge, skills, attitudes, and work habits developed in the Business Education program enable students to respond to post-secondary opportunities and to the demands of the world of work.

The Business Education curriculum enhances students' learning by incorporating the major goals of education into the context of a business environment. It encourages students to apply problem solving, decision-making, and critical-thinking skills to a variety of business-related situations, and to communicate solutions to these problems.

Students live in a rapidly changing technological age. Business Education through Computer Studies, incorporates technology and addresses the ethics and values that technology presents. It provides students with skills of accessing and processing information. Students are taught that proper application of their computer skills should help them to “act justly, love mercy and walk humbly with their God” (Micah 6:8).

Courses offered:

(Click course to view details)

[Accounting 11 and 12](#)

[Business Computer Applications 12](#)

[Digital Media 11](#)

[Graphic Production \(Journalism\) 11](#)

[Graphic Production \(Yearbook\) 12](#)

1.12 Home Economics

Courses in Home Economics should aim to prepare students for a general life of service, especially around the home, rather than for specific vocations. Students need to learn to use God-given resources in practical and creative ways, as good stewards of God's creation. They learn to develop skills which allow a degree of independence in making discriminating choices and in solving practical problems.

Courses offered:

(Click course to view details)

[Textiles 9](#)

[Textiles 10](#)

[Textiles 11 and 12](#)

[Food Studies 11](#)

1.13 Technology Education

(Industrial Education)

The Technology Education program helps students to understand the place of technology in God's creation and to develop skills to use technology for the benefit of others.

The following major points are emphasized:

- Helping students understand how man is using materials, tools and scientific principles.
- Giving initial technical experience to those students who are mechanically inclined in their ability and interests.
- Provides opportunities for career exploration in the field of technologies.

The Lord has given students a wide variety of interests and abilities. Each should be provided with an educational opportunity that will enhance this challenging responsibility in the best possible way.

Courses offered:

(Click course to view details)

Fine Arts and Applied Skills 8

[Technology Education 9](#)

[Technology Explorations 10](#)

[Woodwork 11 and 12](#)

[Engineering 11](#)

[Metalwork 11](#)

1.2 Career Education

Career education is a broad area of study that allows an opportunity for students in their formative years to reflect on critical choices. Within the context of a **planning process** students are encouraged to consider a balanced and God pleasing **personal development** that responds in thankfulness to covenant promises. Such personal growth is to further enable **career development**, which recognizes that we are stewards of our time and talents.

Courses offered:

(Click course to view details)

[Career Education 9](#)

[Career-Life Education 10](#)

[Career-Life Connections 12](#) (integrated with other subject areas)

1.3 Fine Arts

Fine Arts include **Visual Art** and **Music**.

1.31 Visual Arts

Visual Arts instruction develops the students' visual literacy. It is important that Christians recognize the place and responsibility of art in the world. Students who receive art instruction and participate in art activities can develop a view of God's world, which sees art as one important aspect of God's creation. They can find new ways to express their perceptions and experiences through exploration, invention, shaping and sharing. Their abilities to respond to God and His world through the use of their gifts can be enhanced through instruction in art techniques. Patience and personal discipline are also nurtured through the careful working out of aesthetic problems.

Visual Arts Instruction develops the imagination. Imagination is the ability to visualize a situation and consider in your mind's eye whether something is right or appropriate. The imagination is one of God's greatest gifts to man. Made in the image of God man can imagine multiple solutions to problems and recognize the difference between good and bad responses. In particular, Visual Arts can be an important means to:

- increase awareness of the aesthetics of creation
- understand the function and meaning of works of art in human life
- understand how works of art reflect the beliefs of the artist
- develop the ability to apply Biblical norms to personal expressions of views and emotions
- develop the ability to see, think and visually express experiences
- develop an understanding of the influences of Art by and on society and the environment
- development of students' perception of the interrelatedness of all of God's creation
- develop the ability to make decisions in the absence of rules

Courses offered:

(Click course to view details)

[Visual Arts 9](#) (Part of Career Ed 9)

[Art Studio 11 and 12](#)

1.32 Music

The cultural mandate is focused on subduing and ruling. Music is a response to and expression of culture. God's Word continues to beckon for the making of music. "Sing to the Lord a new song...make music to the Lord with the harp." (Psalm 98) Music making was a central activity in the lives of Old Testament Israel and ought to be no less so for us today. "Speak to one another with psalms, hymns and spiritual songs. Sing and make music in your heart to the Lord..." (Ephesians 5:19). Through the study of music, students will be enabled to more fully understand the dynamics of rhythm, pitch, intonation and tempo through exploring various styles and compositions and so grow in recognizing the central place of music in the service of our Lord.

Courses offered:

(Click course to view details)

[Instrumental Music 9](#)

[Instrumental Music 10](#)

[Instrumental Music 11 and 12](#)

Choir 8 – 12 (if qualified staff is available)

1.4 Humanities

Humanities include **Biblical Studies**, **Social Studies** as well as the various **languages** (English, Communications, French).

1.41 Biblical Studies

Biblical Studies forms the focal point of the curriculum. It introduces the student to the most significant insights and truths of our Biblical heritage. Students explore the story of covenant history as it unfolds from Genesis through Revelation and see God's faithfulness in the foreshadowing of Christ in the Old Testament promises. They learn to see the Biblical view of man, woman and child created in the "image of God". The central Biblical themes of covenant, kingdom, church, world, salvation, judgment, law and gospel are developed so that Biblical norms are seen to apply to every area of life.

For Biblical Studies, the Bible is the main textbook, but it is a text with a difference. We accept it as God's authoritative textbook for life. We study it as God's Word and seek to grow in the understanding that we must submit ourselves to it more fully.

Courses offered:

(Click course to view details)

[Bible 8](#)
[Bible 9](#)
[Bible 10](#)
[Bible 11 and 12](#)

1.42 Social Studies

Social Studies is the study of God's dealing with this world and its people to fulfil His plan of salvation and to restore creation to its original purpose. It focuses on people's relationships with their social, physical, and cultural environments. Social Studies is an interdisciplinary subject that draws upon history, geography, economics, law, political science and other disciplines.

Social Studies includes the study of cultures throughout the ages and into the present. It is designed to give students a deeper awareness of their place and task in God's world. This awareness is rooted in the knowledge that all wisdom and power belong to God who changes times and seasons, raises and deposes rulers and gives knowledge to the discerning (Daniel 2:20-21).

The study of the physical components of this world (geography) again bring students to face creation and the subsequent fall. As stewards of this earth they are enabled to understand both how it was made and what ought to be done to preserve and maintain it. Throughout this exploration in social Studies, students are enabled to see that God in His infinite mercy calls a people (Church) out of the world to Himself, redeeming them from sin and death and sending them back into the world to be His witnesses.

Courses offered:

(Click course to view details)

Social Studies 8
[Social Studies 9](#)
[Social Studies 10](#)
[Social Studies 11](#)
[20th Century World History 12](#)
[Law Studies 12](#)

1.43 Languages

Language is the tool through which God chose to reveal Himself. He spoke the creation into existence. By means of language God taught the man and woman He had created. He revealed Himself to the patriarchs and the prophets in language and these in turn spoke God's words using language. Through His written Word, God reveals Himself to us.

We hold that man is called to respond obediently to God's mandate to exercise dominion over the entire creation (Genesis 1) and that this response has a verbal/linguistic dimension. Effective use of language enhances our ability to perform the threefold office of prophet, priest, and king. To this end, we teach language.

Courses offered:

(Click course to view details)

English 8
[English 9](#)
[English 10](#) (includes Creative Writing, New Media, and Literary Studies)
[Creative Writing 11](#)
[Literary Studies 11](#)
[New Media 11](#) (Film Study)
[Spoken Language 11](#)
[English 12](#)

French 8
[French 9](#)
[French 10](#)
[French 11 and 12](#)

1.5 Mathematics & Sciences

1.51 Mathematics

Mathematics is the discipline that investigates and describes the numerical and spatial aspects of the universe around us. Through the study of numbers the student is brought to a better understanding that God is a God of order and has put the unchangeable laws of numbers in His creation for humanity to uncover and use. Mathematics also contains a mental challenge which helps to foster an organized reasoning capacity.

Experiences in Mathematics should enable students to have respect for God's laws for creation and trust in the dependability of God upholding these law-structures. Mathematical descriptions of the physical universe and phenomena occurring within it, are concise and offer predictive capabilities and are further valuable for simple and unambiguous communications. Mathematical skills, such as ordering, analysing, predicting and interpreting, will help the students solve everyday problems through quantitative analysis. Mathematics is, together with the study of logic, another language in which we can more fully understand God's created world.

Courses offered:

(Click course to view details)

Mathematics 8

[Mathematics 9](#)

[Workplace Mathematics 10](#)

[Foundations of Mathematics and Pre-Calculus 10](#)

[Workplace Mathematics 11](#)

[Foundations of Mathematics 11 and 12](#)

[Pre-Calculus Mathematics 11 and 12](#)

1.52 Sciences

Science is the study of God's creation - the laws that He has placed there, the control that He exhibits over it, and His continual providential care for the cosmos. God prepared creation for mankind and presented it to him as a gift and a home to live in. God desires that man should explore creation, discover its beauty, vastness and intricacy, and to learn how to be its steward. Science plays a key role in all these processes. The science curriculum allows the students to explore, discover and appreciate the magnitude of God's creation, leading the student to stand in awe of God and His creation and enabling them to see the role it plays in shaping society.

Science is:

- a description of humanity's attempts to search out, describe (in mathematical terms as well as in words), understand and explain the order that God has set in creation
- a human explanation of the phenomena of creation and so is subject to sin and error in the interpretation of observations, in the conclusion making process and in the presuppositions
- tentative and subservient to God's revealed word, in that science must be measured by God's word, knowing that humanity sees through a glass darkly
- a tool that helps us understand creation and enables us to exercise stewardship over it thereby perhaps also alleviating some human suffering and disease
- important to enable us to learn more about God (Article 2: Belgic Confession)

Courses offered:

(Click course to view details)

Science 8

[Science 9](#)

[Science 10](#)

[Life Sciences 11](#)

[Anatomy & Physiology 12](#)

[Chemistry 11 and 12](#)

[Physics 11 and 12](#)

[Science for Citizens 11](#)

1.6 Physical and Health Education

1.61 Physical and Health Education

Physical activity can be a wonderful thing. It brings physical fitness, it has many mental health benefits, and it builds character and self-discipline. We can honor God through our physical activity and healthy living.

While there are many reasons to participate in physical education, there is one reason with importance above all others: Our bodies are a gift with which we may serve and honour our Creator and Father. Scripture says...

"...[we are] fearfully and wonderfully made..."

Psalm 139:14

"...we are God's workmanship..."

Ephesians 2:10

We believe that God has not only called us to train our minds to serve Him, but our bodies as well. He calls us to care for our bodies and glorify Him in them.

As we strive toward the goals of physical education, students are asked to always remember the ultimate goal...

"...So...whatever you do, do it all for the glory of God."

1 Corinthians 10:31

Courses offered:

(Click course to view details)

[Physical Education 8](#)

[Physical and Health Education 9](#)

[Physical and Health Education 10](#)

[Active Living 11 and 12](#)

[Fitness and Conditioning 11](#)

[Outdoor Education 11](#)

CURRICULUM - COURSE DESCRIPTIONS

Grade 9 Courses

Applied Skills

Clothing and Textiles 9 [elective]

This is a course for the confident beginner sewer. It covers more basic techniques needed to make clothing and other textile items. Students will make pajama pants and a unique embellished messenger bag. We will learn how to mend and repair clothing as well as how to reuse and refashion clothing which might otherwise be thrown away. Students will also have an opportunity to use their sewing skills to make projects that serve others.

Students are required to provide all their own supplies for the projects in a timely manner. There are some sundry supplies which are available in the classroom, but students are expected to purchase all their fabric, thread, and notions needed for the projects. These supplies will need to be purchased in a timely manner, and it is the responsibility of the student to ensure that materials are brought to class on time.

Technology Education 9 [elective]

Technology Education 9 introduces students to the importance of technology, order and design, creative and manual work. Much work is done in the woodshop, building on what they learned in FNASK 8. Students learn how to safely use machines like the drill press, bandsaw, and planer. Students will enter the world of electronics and computer control. Beginning with 3D design, students will explore the world of 3D printing and different possibilities this opens up. Students will also spend some time learning coding and will make simple computer programs.

Career Education

Career Education 9

This course focuses on exploring what it means to live effectively and meaningfully in the Body of Christ. Planning 9 specifically focuses on life skills that are important not only at school but at home and in the workforce. The following topics are addressed

1. **Healthy Relationships & Financial Literacy:** 7 Habits of Highly Effective Teens Unit (1/3rd), Foundations Digital - a Dave Ramsey finances program for teens (2/3rds)
2. **Digital Citizenship:** Examine self-image, online relationships, cyberbullying, digital footprints, and digital privacy
3. **Visual Art:** Students participate in Visual Arts 9 in one quarter of the year. See course description under Visual Arts 9.

Fine Arts

Instrumental Music 9 [elective]

Band 9 teaches music through performance. By going through the motions and mechanics of sound production, students learn to make music together in an aesthetically pleasing way. Ear training and music appreciation is an integral and intentional part of this approach to music making as different instruments (some of which are transposition instruments) are played together.

Visual Arts 9

Taken as part of the *Planning 9 course*, the Visual Arts 9 program aims to help students develop their visual literacy and their ability to perceive, respond, create, and communicate through visual means. Learning objectives centre around image development and design strategies, visual elements, and principles of art and design. Techniques and processes are seen as tools which students learn to use to reflect on the reality of their lives. Both in the work and in the discussions of the work students entertain questions of meaning and values. They will be challenged to consider these questions within the context of a Christian worldview. This class involves students in drawing, painting and sculpture as well as the study of Art History.

Major topics include:

- Skill related drawing exercises
- Colour Theory
- Art History: Artist of the Week (a sampling of famous artists from the Renaissance to Modern art)
- Media: pencil, conte and charcoal, acrylic paint, and recyclables

Evaluation is based on knowledge of art history; processes, materials and technologies; and student perceptions of and responses to art.

Humanities

Bible 9

Bible 9 continues the student's study of scripture where Bible 8 left off. It is an Old Testament survey covering key themes and issues from the book of Ruth to Esther and from Isaiah to Malachi. Students will be challenged to understand and discuss the themes of covenant, the rise and fall of Israel, kingship, and study the prophets with a view to the messianic promises for a new and better age.

English 9

As God's image bearers, we have been uniquely created with the gift of complex language. Strong writing, speaking, and listening skills are essential for adequate discipleship, and students are encouraged to develop a broader appreciation for and greater command of the English language. The study of language helps us understand ourselves and our world, develop connections to others, and extend our thinking. Students will be encouraged to use language meaningfully, think and express themselves with discernment and to creatively bring glory to God through the beauty and power of language.

Social Studies 9

This course will introduce students to the geography, history and culture of Europe and Canada during the period of 1750-1867. The students will examine the political and economic changes in Europe and North America to learn how historic forces such as revolution, imperialism, colonialism, slavery, and industrialization have had an impact on the world and on the church. Knowledge contributes to responsible stewardship when it is used by students to inform their judgments, shape their opinions, solve problems, and guide their actions. The Social Studies 9 learning outcomes focus on both content and process, and support a reflective approach to interpreting a variety of perspectives on problems and issues. Students are guided to see God's hand in history, and to search out what their role and responsibility is in relation to the great story of world history. The instructional and assessment strategies will engage students in thoughtfully generating, applying, and assessing ideas about the world. The students will be encouraged to make logical connections between historical and contemporary events and issues; among different regions, environments, and cultures around the world; between the curriculum and students' personal interests, concerns, and career aspirations; and between social studies and other subject areas such as the humanities and social science disciplines.

French 9 [elective]

Students will continue to see the creative power of God as He has revealed Himself in the beauty of language. Students will develop their communicative abilities in the French language, in both the written and spoken forms. Reading, writing, listening and speaking are stressed as methods of communication. The course is made up of six thematic units. The vocabulary, grammatical structures and topics for discussion are related to the theme. Topics covered in this class include a visit to Paris, Canadian diversity, volunteering and part time jobs. Students will focus on present tense, but will be introduced to future and past tenses. Some of the other grammatical structures discussed in this course are adjectives (placement and formation), the comparative, the superlative, direct object pronouns, and the imperative. Students will also memorize two French Bible verses each term.

Note: French 9, 10 and 11 is recommended for students who might take post-secondary options that require a second language.

Mathematics & Science

Mathematics 9

In this course students will begin to apply the basic operations (addition, subtraction, multiplication and division) to algebraic expressions. A formal study of equations and inequalities and their application to word problems is further undertaken. A continuation of some geometric concepts and graphing techniques is also included.

Science 9

The four areas of study in this course are: Biology, Chemistry, Physics and Earth Science.

The **Biology** section focuses on reproduction. Students will examine cellular reproduction and relate these processes to embryonic development. A comparison of sexual and asexual reproduction will also be studied.

The **Chemistry** section focuses on atoms, elements and compounds. Students will discover the structure and components of atoms and molecules and will use the periodic chemical symbols of elements and formulae of ionic compounds.

The **Physics** section focuses on electricity. In this unit, students will examine the functioning of static and current electricity. They will also compare series and parallel circuits, using Ohm's law to discover relationships between resistance, voltage and current. Finally, students will relate electrical energy to power consumption.

The **Earth Science** section focuses on the cycling of material through ecosystems. We will also have a particular focus on our own local ecosystem and some of the challenges that it faces.

Physical and Health Education

Physical and Health Education 9

In Physical and Health Education 9 the activities introduced in grade 8 will be further developed. New advanced skills will be introduced to enhance the students' knowledge and understanding of the activities undertaken. Students will continue with Level II of various 'sports knowledge manuals'. There will be focus on developing positive attitudes and a clear understanding of fitness and exercise. Fitness activities throughout the year will also be designed to improve and maintain an optimal level of health and physical fitness. Students will also be introduced to health units pertinent to their age level: adolescence and self-concept, smoking, vaping and abuse of other substances.

Grade 10 Courses

Applied Skills

Textiles 10 [elective]

Students do NOT need to complete Clothing and Textiles 9 to enroll in Clothing and Textiles 10.

This is a course for the confident beginner sewer. It covers more basic techniques needed to make clothing and other textile items. This year, students will make hoodie sweatshirts and cozy slipper socks, fun and beautiful embellishments, adorable stuffies, and a traditional English paper piecing quilt project. Students will also have an opportunity to use their sewing skills to make projects that serve others. As an ongoing project throughout the year, students will be keeping a sewing and fashion binder. This binder will give all students an opportunity to document all aspects of their sewing projects, as well as provide a place to interact with ideas concerning design and fashion. This project will be marked at the end of each term. Students are required to provide all their own supplies for the projects in a timely manner. There are some sundry supplies which are available in the classroom, but students are expected to purchase all their fabric, thread, and notions needed for the projects. These supplies will need to be purchased in a timely manner, and it is the responsibility of the student to ensure that materials are brought to class on time.

Technology Explorations 10 [elective]

The Technology courses offered at Credo are designed to assist students in identifying the kinds of skills, attitudes, competencies, and qualities that form the foundation for a career in technologies. Technology Education 10 introduces students to the importance of technology, order and design, creative and manual work as it pertains to topics such as Woodworking, Metalworking as well as Electronics and Computer control. Students will explore different CAD and CAM processes, as well as use different tools and equipment used in the wood and metal workshops.

Using the Raspberry Pi - a credit card sized computer - they will begin by learning basic computer programming. With this foundation, they will wire up electronic circuits and control them with the programs that they write. LED's, buzzers, push-buttons, and DC motors are all used and controlled with the Pi.

Career Education

Career-Life Education 10

It has been said that the decade from 15/16 to 26 years are the most critical in a person's life, since that is when most of us choose a career path, find a marriage partner, and as Reformed Christians make a committed response to our baptism with the public profession of our faith. The aim of CLE 10 is to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life. CLE 10 will allow students to become conversant in the requirements for graduation, to explore education and career possibilities, to examine aspects of healthy living (physical, emotional, spiritual) and to develop proficiency in financial literacy.

Fine Arts

Instrumental Music 10 [elective]

This course is a continuation of Band 9 and builds on the same principles of teaching music through performance in a Band setting. Students will study in depth the new notation, time signatures and conducting patterns, focus on legato, staccato and tenuto playing. A greater emphasis is also placed on the importance of music making as a community service and as a commitment building activity. The band becomes a community in which people rely on each other. Concerts, field trips, band festivals and other music activities are the means to this end.

Humanities

Bible 10

(BAA – Board Authority Authorized course)

Bible 10 is a course that takes the students through the Gospels of Matthew, Mark, Luke and John in a topical fashion. The students will be encouraged to observe, interpret and apply the content of these Gospels by means of Inductive Bible Study.

In addition to a study of Jesus' life and work, there is an emphasis in this course on understanding the context of Jesus' life and ministry, and so some time is spent on exploring the cultural and historical context of Jesus' day, in order that Jesus' teachings and actions might be better understood. There is also an apologetics unit based on the book "Cold Case Christianity" by J. Warner Wallace. This unit lays out the historical and forensic evidence for the eyewitness nature of the four gospel authors - an important fact to establish before examining the claims made within the gospel accounts.

The students are encouraged to seek the kingdom of God by pursuing a living relationship with their Maker. Like Jesus did, so teenagers today are encouraged to 'grow in stature, in wisdom and in favor with God and man (Luke 2:52). For this reason, the course involves time set apart each class for personal devotions, as well as many personal response projects and reflections on student learning.

English 10

The English 10 program consists of three half-year courses. Students select two of the three.

New Media: a program designed for students with an interest in newer forms of media, including film and film-design, script-writing, journalism, and business website-design. Students will engage with a variety of digital 'text' forms: written, visual texts (posters, news, photos, etc), films, websites, etc. Students will be challenged to critically consider, consume, respond to, and create a variety of content. They will also be asked to explore their own value-systems and biases, with consideration given to how these systems affect their own content creation and consumption..

Creative Writing: a program designed for students who have an interest in creative expression through language. The course provides students opportunities to build their writing skills through the exploration of identity, memory, and story in a range of genres. Within a supportive community of writers, students will collaborate and develop their skills through writing and design processes. This course is intentionally grounded in the sampling of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, and practise their writing.

Literary Studies: a program designed for students who are interested in literature and literary analysis.. The course allows students the opportunity to study a variety of literary genres, such as short stories, a novel, poetry, and Shakespearean drama. Through creative thinking and analysis, students will respond to literary works, develop their ability to evaluate them, and coherently express and support their interpretation of these works.

Social Studies 10

This is a course about Canada in the Twentieth Century. God in His sovereign will has placed us in Canada. As Canadians and Reformed Christians, we experience both blessings and challenges in the pursuit of holy living. In order to live out our faith, in every area of our lives, we need to have a good understanding of Canada and its history. In Social Studies 10 we will be examining the elements of active citizenship in Canada and the world, both individually and collectively, as well as domestically and internationally. We will be examining just how Canada and Canadians have practiced citizenship in the last 100 years. In addition, we will examine Canada's human geography and political system.

French 10 [elective]

Students will continue to see the creative power of God as He has revealed Himself in the beauty of language. Students will continue with the French language in both written and spoken forms. Reading, writing, listening and speaking are stressed as methods of communication. The course is made up of five thematic units as well as the study of several short stories. The vocabulary, grammatical structures, readings and topics for discussion are related to the theme. Topics covered in this class include careers, identity, and a study of refugees and genocide. Students will become increasingly aware that the French language cannot be studied in isolation and that learning a second language provides tangible ways to show love to their neighbour. Students will continue to develop their ability to express themselves in past and future tenses as well as in the conditional and subjunctive modes. Some of the other grammatical structures discussed in this course are. Students will also memorize a French Bible verse each month. Note: French 10 and 11 is recommended for students who might take post-secondary options that require a second language.

Note: French 10 and 11 is recommended for students who might take post-secondary options that require a second language.

Mathematics & Science

Mathematics 10 -- Workplace

Mathematics is a language – a way of communicating ideas that help us understand God's created world. Communication plays an important role in helping students build links between their informal, intuitive notion and the abstract language of mathematics. Math activities help students relate mathematical concepts to real-world situations and allows them to see how one mathematical idea can help them understand others. Mathematics helps students to have respect for God's laws for creation and trust on the dependability of God in upholding these law-structures. The main goals for the year are to:

- Solve problems
- Communicate and reason mathematically
- Make connections between mathematics and its applications
- Become mathematically literate
- Appreciate and value mathematics
- Make informed decisions

Mathematics 10 -- Foundations and Pre-Calculus

This is the introductory math course for the grad students. Throughout the course there will be an increasing emphasis on problem solving. This will be done by considering the topics of measurement, trigonometry, relations and functions, linear functions, systems of linear equations, factors and products, roots and powers. This course is rigorous and should be considered by students who have a good understanding of basic mathematics principles and who may need mathematics as a graduation or post-secondary requirement.

Note: Foundations and PreCalculus 10 is recommended for students who might take post-secondary options that have math entrance requirements.

Science 10

This course provides students with an opportunity to examine various aspects of God's wonderful creation. The course is divided into three main areas: Life Science, Physical Science, and Earth and Space Science. The Life Science unit deals with genetics, focusing on patterns of inheritance and moral or ethical implications arising from our ever-growing knowledge within this field. How does God govern the traits of different living things? What responsibilities do we have as His Kingdom citizens in this regard? The Physical Science unit is subdivided into a Chemistry section and a Physics section. The Chemistry section focuses on the structure and characteristics of atoms and molecules, how they react, and how energy is transformed in these reactions. How does God govern the very particles that compose all matter in His creation? The Physics section focuses on energy transformations and how this relates to radioactivity. How can the knowledge of the atom help us fulfil our cultural mandate? Finally, the Earth and Space Science unit deals with the development and structure of our universe. How did this universe form and how has God designed "the heavens"?

Physical and Health Education

Physical and Health Education 10

The aim of this course is to enable all students to develop knowledge, movement skills, and positive attitudes and behaviors that contribute to a healthy, active lifestyle. Throughout the year students will discover how they can honor God through physical activity and healthy living. There are 3 important components that make up the PE curriculum: Performance, attitude and participation, and Health. These 3 components form the basis for the manner in which students will be assessed. Students will be given the opportunity to experience a rich variety of physical activities – in the gym, on the field, and in alternative environments. These activities will be chosen to complement the provincial competencies for Physical & Health Education(PHE) 10. PHE 10 is an extension of the curricula for Physical and Health Education from Kindergarten to Grade 9. It is a required area of study from Kindergarten to Grade 10. Students must complete it in order to satisfy provincial graduation requirements.

Grade 11 and 12 Courses

Applied Skills

Accounting 11 [elective]

This is an introductory course which will cover many different topics but not get too detailed with any one in particular. Accounting is a unique subject when compared to the courses students may have taken in the past. Although it includes mostly basic math principles, there is a lot of theory involved and this will seem foreign to most students at the beginning. To learn accounting is to learn a new language, one that will be very helpful as students move on in life. God commands us to be good stewards of our money and accounting is one means by which we may better accomplish this goal. We will work on manual bookkeeping in Accounting 11. This will involve the following general topics:

- Introducing the accounting equation
- Building and interpreting basic financial statements
- Working through the entire accounting cycle

Engineering 11 [elective]

Note: this course is offered depending on enrolment.

This course introduces students to the Design Process using a range of materials including wood, metal and plastics. Students will proceed through the stages of the Design Process including: defining, ideating, prototyping, building and evaluating. The course will explore the use of existing tools and technologies as well as new and emerging tools and technologies. The course will incorporate some skills and concepts from Drafting 11, including Computer Aided Drafting, (CAD) and Computer Aided Manufacturing. (CAM)

Woodwork 11 (Carpentry/Joinery) [elective]

In this course students have an opportunity to expand their woodworking abilities and interests. Students will be instructed in the safe use and operation of the different tools and equipment, as well as safe working practices in a woodworking shop environment. The course allows students to use a variety of tools and equipment to construct different furniture and cabinetry projects. They will follow the design process to design and construct a piece of furniture using the different tools and machines available in the wood shop.

Woodwork 12 (Construction Technology) [elective]

Students have the opportunity to further develop the skills developed during Carpentry/Joinery 11. The course will look at various aspects of residential building construction and will include the following topics:

- Building Materials
- Construction Site Safety
- Drawings & Specifications
- Hand Tools
- Portable Power and Shop Tools
- Site Layout

- Frame Residential Housing

Students will complete a number of practical assignments designed to help them to better understand the concepts of construction. They will also have the opportunity to further develop their skills in the use of tools and machines in the wood shop in the design and production of a furniture project of their choice.

Drafting 11 [elective]

Note: this course is offered depending on enrolment.

This course is an introductory course to drafting. Students will be able to identify and demonstrate the proper use of drawing techniques using industry standards to produce 2D drawings. This includes the use of computer assisted drafting (CAD) programs such as AutoCAD. With this program students will produce orthographic views, create 2D drawings, and learn how to dimension these objects. In addition, 3D modeling will be done using the SketchUp. Finally, they will demonstrate their understanding of drafting by completing a final project incorporating 2D and 3D views.

Metal Technology 11 [elective]

Note: this course is offered depending on enrolment.

The Technology courses offered at Credo are designed to assist students in identifying the kinds of skills, attitudes, competencies, and qualities that form the foundation for a career in technologies. Metal Technology 11 provides students with a base of knowledge and skills relating to metalworking. Students will be introduced to the safe operation of various tools and equipment in a metal shop, and have the opportunity to design and create metalworking projects.

Media Design 11 [elective]

This course focuses on creatively using the computer to create various forms of *digital media*. The students will be required to complete various challenging graphic layout and design projects. Areas explored include 2D vector based media such as illustrations and logos using Adobe Illustrator. It also includes pixel based media and photo manipulation using Adobe Photoshop. You will be challenged to create media that is God-pleasing and reflects our great Creator. Connections to possible future careers will also be made throughout the course.

Business Computer Applications 12 [elective]

This course (formerly called Business Information Management) is designed to strengthen word processing, spreadsheet, database, website, PowerPoint and Photoshop skills. Using Microsoft Office, students are largely self directed through a variety of assignments. This course integrates the different software applications into various assignments that relate to business decisions, career choices, and their own personal interests.

Graphic Production 11 (Journalism) [elective]

Students in this class are introduced to the basics of journalism with the final task being the production of the school yearbook and a school magazine called The Pilastro.. Some of the concepts covered include:

- organization of a yearbook staff
- development of theme
- development of content (reporting, writing copy, headlines and captions)
- photojournalism (photography, cropping etc.)
- elements of design (designing pages using graphics, photos, captions, copy and whitespace)

Graphic Production 12 (Yearbook) [elective]

Students who have successfully completed Graphic Production 11 will return as the editorial team to oversee the production of the school yearbook. Students will continue to develop a wide variety of journalistic skills such as objective reporting, interviewing, photography, editing and proofreading. Students will learn to use computers effectively for desktop publishing and layout. Students interested in this course should demonstrate strong teamwork and leadership skills, be able to work independently, work well under pressure and be prepared to put in time outside of regularly scheduled class time to produce a quality book. (Note: only 4 students max for this editorial course)

Food Studies 11 [elective]

This course allows students to experience meal and recipe design opportunities. Working with ingredients, functions, proportions, temperature and preparation methods, students will generate ideas, design recipes and menus, and engage in food creation. Students will have the opportunity to work with a variety of cooking and baking techniques and ingredients from familiar and unfamiliar contexts and cultures. FoodSafe certification will be part of this course.

Textiles 11 [elective]

Note: this course is offered depending staffing

This core textiles course covers the various sewing techniques necessary for basic garment construction. It begins with the practical application of a lapped and center slotted zipper and properly stitched darts. These techniques are immediately applied to the first required sewing project, a straight skirt. There is in-depth theory on proper fabric layout, grain line identification and cutting techniques. There is also a review of basic fitting and pattern alterations. The next project is a shirt dress. Students will learn buttonhole construction, collar construction, sleeve insertion, and making cuff plackets. Finally students will make a quilt. They will learn proper and safe rotary cutting skills and accurate piecing techniques. Students will also learn top quilting techniques including free motion quilting, as well as basting and binding as they create a small quilt of their own. There are opportunities to engage in fashion drawing. If time permits, students will be allowed to start on a project of their own choosing. Throughout the year students will maintain a journal of their work, as well as self directed portfolio projects.

Textiles 12 [elective]

Note: this course is offered depending staffing

This core textiles course covers the various sewing techniques necessary for basic garment construction. It begins with the practical application of an invisible zipper as well as pleats and gathers. These techniques are immediately applied to the first required sewing project, a skirt. Students will receive an introduction to the serger, including threading and adjusting tension. Basic fitting and pattern alterations are reviewed. There is a unit on Textile Science including fabric identification, which will help students in choosing fabric for their project. The dress project will feature princess seams as well as options for lace overlay and added support to the bodice. The final project will be a quilt and will review cutting and piecing techniques as well as skills such as half square triangles. If time permits, students will be allowed to start on a project of their own choosing. Throughout the year students will maintain a journal of their work, as well as self directed portfolio projects.

Career Education

Career-Life Connections 12

Career-Life Connections is intended to prepare students for a successful transition to life after secondary school. In order to meet this goal, students are encouraged to take ownership of their own health and learning, to demonstrate connections between their learning and their future, and to plan for their growth and development as young Christians ready to take on added responsibilities in God's service.

This course is completed over a student's grade 11 and 12 years at CCHS. In Grade 11, it includes our Community Connections program, which allows students to spend a day job shadowing in two different workplaces. In grade 12, the students meet once per week to engage the course competencies. They also arrange and meet with a mentor to help them in their personal growth.

Capping Project

As part of the Career-Life Connections program, graduating students complete a Capping Project. These projects are a chance for students to summarize their learning during their time at CCHS. Projects are shared with staff members, family members and board members during the annual Open House in May/June.

Fine Arts

Visual Art: Art Studio 11 [elective]

This course aims to help students develop their visual literacy and their ability to perceive, respond, create, and communicate with visual means. The learning objectives centre around image development and design strategies, visual elements, and principles of art and design. Techniques and processes are seen as tools which students learn to use to reflect on the reality of their lives. In both work and in discussions of work students will entertain questions of meaning and values. They will be challenged to consider these questions within the context of a Christian worldview. In class students are involved in drawing, painting, sculpture, ceramics and printmaking as well as the study of Art History. Homework assignments constitute an integral part of the program.

Major topics include:

- Elements and Principles of Design
- Colour Theory
- Basic Composition
- Art History: Impressionism, Post-Impressionism
- Artist statements: Writing about their own and other's art
- Media: pencil, charcoal, clay, watercolour, acrylic, chalk pastel, printmaking inks, pen
- Still Life
- Abstract
- Ceramics: 3D Sculpture
- Multicolour Prints
- Multimedia/collage

Evaluation is based on a sketchbook; context (art history, issues, etc.); processes, materials and technologies; and student perceptions of and responses to art.

Visual Art: Art Studio 12 [elective]

This course aims to help students develop their visual literacy and their ability to perceive, respond, create, and communicate with visual means. The learning objectives centre around image development and design strategies, visual elements, and principles of art and design. Techniques and processes are seen as tools which students learn to use to reflect on the reality of their lives. Both in the work and in the discussion of the work, the students entertain questions of meaning and values. They will be challenged to consider these questions within the context of a Christian worldview. Students are involved in drawing, painting, sculpture, ceramics, and printmaking as well as study of Art History. Homework assignments constitute an integral part of the program.

Major topics include:

- Elements and Principles of Design
- Colour Theory
- Process of Image Development
- Composition and Design
- Art History: Abstract artists, Printmakers, M.C. Escher
- Artist statements: Writing about their own and other's art
- Media: pencil, charcoal, clay, watercolour, acrylic, printmaking inks, pen, soap
- Portraits
- Reductive sculpture
- 3D Clay Sculpture on a theme
- Graphic Design: Logo and business card
- Abstract

Evaluation is based on a sketchbook; context (art history, issues, etc.); processes, materials and technologies; and student perceptions of and responses to art.

Instrumental Music 11 [elective]

Students will create, listen to and perform music, demonstrating an understanding of the expressive and physical properties of rhythm, melody, form and design. As they have progressed technically, these students will be challenged to create, listen to and perform music that will help them express an understanding and appreciation of the thoughts, images and feelings the music expresses. A band tour may be part of the program. Students will therefore be challenged to take initiatives toward concert performances.

Instrumental Music 12 [elective]

Students will have already honed their skills to an accomplished level, after Instrumental Music 9, 10 and 11. The primary focus will be on using the talents they have developed in order to show the beauty of God's creation and to bring praise to the Creator through the principles of melody, harmony and rhythm. Opportunities for leadership will present themselves, and students are encouraged to develop their leadership skills by taking advantage of these.

Humanities

Bible 11

(BAA – Board Authority Authorized course)

The development of the early Christian Church is the focus of the Bible 11 program. The course is divided into thirds, with each third being taught by a different teacher. One section will trace the growth and development of this early church by studying the Book of Acts and Romans. In addition, one of the Pauline Epistles will be explored in depth via a research project. Another section will explore the book of Hebrews, the general epistles, and the book of Revelation. Finally, one section of the year is spent exploring worldview questions and how our Reformed Christian worldview would answer them. As much as possible we will use the knowledge gained to reflect on our present church life. In the process we will also deal with topics such as The Kingdom of God, the nature and work of the Holy Spirit, and evangelism. There is a specific look at what apologetics is, why it should be done, and how it should be done (general not specific).

Bible 12

(BAA – Board Authority Authorized course)

Bible 12 rounds off the Bible curriculum at Credo. It challenges students to understand and articulate what it means to hold to a Christian worldview in every area of life. Various themes found in Scripture form the focus for this course: Worldview and Wisdom Literature (Ecclesiastes, Proverbs, Job); Biblical poetry: relationships and sexuality (Song of Songs) and the worship of God in yesteryears and today (Psalms). There is also a unit on backgrounds to churches in North America today, focusing especially on Reformed and Presbyterian churches.

English 11

The English 11 program consists of four full-length courses. Students must take one of these courses as a graduation requirement. They are able to take additional courses as electives in both their grade 11 and grade 12 years..

Creative Writing 11

This course is designed for students who have an interest in creative expression through language. The course provides students opportunities to build their writing skills through the exploration of identity, memory, and story in a range of genres, such as creative non-fiction, poetry, and short story. This course is intentionally grounded in the examination of sample texts, the development of writing processes for different genres, inviting students to express themselves creatively as they experiment with, reflect on, practice, and polish their writing.

Spoken Language 11

Note: Not offered 2021-22

This course is designed to support students as they refine, clarify, and adjust their spoken communication through practice and revision. Students in this course will participate in dramatic and performance-based activities that use the spoken word. The course provides opportunities for students to, with increasing independence, study, create, write, and present original and authentic pieces for a range of purposes and real-world audiences. Students will develop confidence in their abilities as they consolidate their spoken language skills.

English 12

God has created language so that man can serve Him and his neighbour. Man can acquaint himself with God's will by reading His work. Praise to God may be expressed by the spoken and written Word. Listening is a fundamental act of worship and service in His kingdom. This course focuses on deepening the understanding of literary forms. Through the study of literature and various writing forms, students will better understand the relationship of form to content as well as the relationship between literature and culture. English 12 students will learn to develop sensitivity to the writings and responses of others, and importantly, learn to apply biblical principles to these topics as revealed in the literature of this course. Moreover, they will be expected to respond to the material which should reveal and strengthen their faith.

Note: Grade 12 students may also enroll in any grade 11 English courses as electives.

Literary Studies 11

This is an academic course that focuses on English literature in its historical context. Through the study of literature and the various writing forms, students will better understand the relationship between literature and culture as well as the relationship of form to content. Students are expected to experience a broad range of works of literature, as well as write in a wide range of genres, from the personal letter to the formal research essay. A variety of written forms will be exercised in order to expose students to the complexities of audience and purpose in language and literature.

New Media 11

This course will focus on the study of film. Students will be expected to analyse both short and feature-length films in terms of theme, worldview, and the technical decisions made by directors and actors. Literary elements such as setting, character, plot and will be studied in this context. Finally, the history of this art form will be studied using representative works from each decade of the past hundred years.

French 11 [elective]

Students will continue to see the creative power of God as He has revealed Himself in the beauty of language. Students will continue with the French language, in both written and spoken forms. Reading, writing, listening and speaking are stressed as methods of communication. The course is made up of four thematic units and the study of Molière's *Le Bourgeois Gentilhomme*. Vocabulary, grammatical structures, readings and topics for discussion are all related to the theme. Topics covered in this class include the cultures and traditions, and social issues such as poverty and homelessness. In addition to these topics, students will learn about French literature and francophone cultures around the world. Students will continue to develop their ability to express themselves in past, present and future tenses. Some of the other grammatical structures discussed in this course are the futur antérieur, relative pronouns, and the conditional and subjunctive modes. Students will also memorize a French Bible verse each month.

Note: French 11 is recommended for students who might take post-secondary options that require a second language.

Social Studies 11 (Comparative World Religions 12)

I Peter 3:15 instructs us to always be ready to give a reason for the hope we have. That is, we need to understand what we as conservative reformed Christians believe and why we believe it. In this course we will examine the history of the church in order to equip students to defend Biblical Christianity.

This course is mandatory for grade 11 students. Students who complete this course will receive credit for the course code Comparative World Religions 12.

French 12 [elective]

Note: this course is offered depending on enrolment.

Students will continue to see the creative power of God as He has revealed Himself in the beauty of language. Students will continue with the French language, in both the written and spoken forms. Reading, writing, listening and speaking are stressed as methods of communication. This course is made up of thematic units. The vocabulary, grammatical structures, readings and topics for discussion are all related to the theme. Topics covered in this class include travel, the arts, the justice system and the environment. In addition to these topics students will study French literature and francophone cultures around the world. Students will continue to develop their ability to express themselves in past, present and future tenses. Although the students will learn some new grammatical structures (the subjunctive, indirect discourse, past perfect tense) this course focuses on using and perfecting what has been learned in previous courses. Students will also memorize several Bible verses each term.

History 12 (20th Century World History)

History 12 is a comprehensive survey of the 20th century. It is organized into six main units namely: The Study of History, The World to 1919, The U.S.A. and the U.S.S.R. as Emerging Powers, The Interwar Period, World War II and the Post-World War II Period. Major themes to be highlighted include the impact of nationalism and imperialism, the nature of conflict and resolution, the growth of internationalism, dominant religious and political philosophies, the impact of technological and economic change and the changing role of the individual in history.

Law Studies 12 [elective]

Citizens should know their rights and responsibilities. The legal maxim "ignorance of the law is no excuse" illustrates the importance of knowledge of our political and legal systems. The Law 12 course surveys the origins of our law, the constitution and our court system in Canada. Law 12 is designed to enhance self-confidence and personal growth by promoting discussion and discernment in ethical, moral and legal decisions. The value of legal study goes far beyond court structure and the content of laws. Students may have the opportunity to visit courtrooms and reinforce their theoretical learning with first-hand experience. This is an academic elective; to do well, students must be prepared to engage deeply and thoughtfully with course material, participate positively, and study effectively.

Since immersion into Law is the best way to learn it, students will participate in case studies, debates, argumentative essay writing, role plays, and mock legal negotiation. They are encouraged to research, argue effectively, and carefully explore their own understanding and application of fundamental justice. They are also guided through a biblical perspective on law and its issues, and how a Christian can operate in both spheres with good conscience. Students will analyze their lives, apply it to the rule of law and conscience, and work through criminal profiling and patterns of behaviour. Though the main focus of the course is on criminal law, it covers personal, business, family, contract, and tort law – providing students with a good overview of the legal landscape and its nuances.

Mathematics & Science

Note: Students are required to take at least one math and one science in Grade 11 or Grade 12.

Mathematics -- Workplace 11

In this course you will extend your knowledge of mathematics that you have learned in previous years. Mathematics is a language – a way of communicating ideas that help us understand God’s created world. Math activities help students relate mathematical concepts to real-world situations and allow students to see how one mathematical idea can help them understand others. Mathematics helps students have respect for God’s laws for creation and trust on the dependability of God in upholding these law-structures. The following lists the topics we will cover: Slope and Rate of Change, Graphical Representations, Surface Area, Volume and Capacity, Trigonometry of Right Triangles, Finance, Financial Services, and Personal Budgets.

Mathematics -- Foundations 11

This is an introductory math course for senior academic students. Throughout the course there will be an increasing emphasis on problem solving. This will be done by considering the topics of: inductive and deductive reasoning, angles and triangles, trigonometry, statistics, linear systems, quadratic functions, and proportions. The basic functions of the graphing calculator are also introduced. This course is rigorous and should be considered by students who have good understanding of basic mathematics principles and who may need mathematics as a graduation or post-secondary requirement.

Minimum expectation: 60% in FOMP 10

Mathematics -- Pre-Calculus 11

This course is designed for students who require a strong mathematical background for future studies in the fields of science and mathematics. Students must have demonstrated good proficiency in Pre-Calculus 10. Topics covered: absolute value, radical, and rational equations; angles in standard position and trigonometry; polynomial, quadratic and reciprocal functions; quadratic systems and inequalities; sequences and series.

Minimum expectation: 65% in FOMP 10

Mathematics -- Foundations 12 [elective]

Mathematics 12 is a rigorous senior course that prepares students for subsequent post-secondary math and science programs. The focus in this course is on understanding various functions including quadratics, exponential, logarithmic, trigonometric, and polynomial. Time is spent understanding sequences and series, as well as probability. Students gain familiarity with the T1-83 graphing calculator as a means of solving problems not only algebraically, but also graphically. Due emphasis is placed on problem solving techniques to demonstrate various applications in mathematics. There are also two units which cover financial concepts like investments, loans, and mortgages.

Minimum expectation: 60% in Foundations 11 or PreCalculus 11

Mathematics -- Pre-Calculus 12 [elective]

This course is designed for students who require a strong mathematical background for future studies in the fields of science, engineering, electronics, computer studies, economics, mathematics and some business courses. Students must have demonstrated good proficiency in Pre-Calculus 11. Topics covered: transformations and functions; radical functions, trigonometry and trigonometric functions; exponential and logarithmic functions; rational functions and function operations; permutations, combinations, and the binomial theorem.

Minimum expectation: 65% in PreCalculus 11

Mathematics -- Calculus 12 [elective]

Calculus is the standard topic of first-year math at university. Students who take Calculus 12 will have an advantage if they are continuing on in mathematical studies. Topics include functions, limits, differentials, and integrals. In this course, we typically cover all the topics from Pre-Calculus 12 in the first half of the year, and cover as much Calculus as we can in the second half of the year. Students should be prepared for an intense, fast-paced course, and as such should have a very good grasp on the material from Pre-Calculus 11.

Minimum expectation: 75% in PreCalculus 11

Calculus 12 is only offered if there is sufficient enrolment.

Science -- Life Sciences 11 (Biology 11) [elective]

Biology 11 provides students with an opportunity to closely examine the world that God has created, especially the diversity of life on earth.

The course is divided into several distinct units:

- Classification & Origins
- Microbiology (Viruses & Bacteria)
- Protists & Fungi
- Plants
- Animals

While this is the content of the course, a large focus of the course is on the scientific process and research skills. This becomes evident in a number of the labs, activities, and dissections completed within the course.

Minimum expectation: 65% in Science 10

Science -- Physiology & Anatomy 12 (Biology 12) [elective]

Biology 12 provides students with an in-depth look at the functioning of the cell and the human body. The first part of the course is spent studying the cell, including the topics

- Cell Structure & Compounds, Protein Synthesis, Cell Transport, and Enzymes

This part of the course involves a fair amount of chemistry and it is recommended that students take Chemistry 11 and/or 12 if they desire to do well in Biology 12. The second, and major, part of the course deals with several systems of the human body, including:

- Digestive, Circulatory, Respiratory, Nervous, Excretory and Reproductive systems.

A good understanding of cell biology is necessary to do well in the anatomy section of the course. This course heavily relies on the ability of students to make connections and analyze patterns and situations based on the cell and anatomy knowledge they attain.

Minimum Expectation: 65% in Life Science 11 or Chemistry 11 or take both Chem 11 or 12 and P&A 12 concurrently

Science -- Chemistry 11 [elective]

A wide variety of topics are covered in this course. This is an introductory course which may serve to propel students further along in science or may simply be considered as a one time introduction to Chemistry. The subject deals with matter and its composition, properties, and ability to change. As such, it relies heavily on the current atomic model and descriptions of chemical change. The unit on Organic Chemistry will prove to be an invaluable asset to students taking Biology courses. In this study, matter, beauty, harmony and order should emerge as a tribute to the only Creator of all things. Some emphasis will be placed on lab work and its requirements: measurement, calculations, mathematical analysis, assumptions, theory formulation, predictions, error, safety, manipulation of equipment, etc. A large part of the year is spent on study of the Mole and stoichiometry.

Science -- Chemistry 12 [elective]

This course covers only a few topic areas, but delves into much greater detail than is possible in Chemistry 11. Specifically, this course covers: thermodynamics, reaction kinetics, equilibrium, solubility equilibrium, acid/base and redox reactions (electrochemistry). Each section is accompanied by lab work that may be done individually or in pairs. This is a course intended for those students inclined towards a career in the sciences. The mathematical requirements of this course are quite extensive. Students should have successfully completed Chemistry 11, Mathematics 11 and will likely be enrolled in Mathematics 12 to ensure optimal benefit from this course.

Minimum expectation: 65% in Chemistry 11 and successful completion of PreCalculus 11.

Students should be proficient in mathematics to ensure optimum benefit from this course.

Minimum expectation: 65% in Science 10 and successful completion of PreCalculus 10.

Science -- Science for Citizens 11 [elective]

The course helps students develop an understanding of scientific processes and knowledge that will have implications for places of employment. It allows students to respond and adapt to changes through scientific understanding and the development of skills. Content includes health practices, impact of technology, personal and workplace safety, applications of science in the workplace and everyday life, and how we can respond to natural hazards.

Science -- Geography 12 not offered in 2019-20

As Christians we believe that we are stewards of God's creation. Knowledge of creation and man's role in it helps us know and honour our Creator and gives us the tools to manage our environment to his glory and for the betterment of mankind. Students will study physical geography including different aspects of the lithosphere, biosphere, atmosphere, hydrosphere and their interaction with each other. We will also study the role that humans play in the proper management of these four spheres.

Science -- Physics 11 [elective]

This course provides an introduction to the natural laws in the Created order. Topics presented are: kinematics (the study of motion), dynamics, energy, work, power, waves, sound, light, and electricity. Students should be prepared to be involved with experimental work. Skills to be learned are: efficient manipulation of lab equipment, measurement and recording of data, analysis and interpretation of data. Students are expected to have proficiency in mathematics to ensure successful completion of this course.

Minimum expectation: 65% in Science 10 and successful completion of PreCalculus 10. Students should take PreCalculus 11 concurrently.

Science -- Physics 12 [elective]

Physics 12 is a rigorous and challenging course for those whose plans include the possibility of a science oriented career. Physics 12 takes the topics of the previous course (Physics 11) in much greater detail, namely: equilibrium, gravitational fields, electric fields, electromagnetism, and modern physics. The course includes a number of design and build projects as well. This course relies heavily on the student's competency in algebra and trigonometry and vectors.

Minimum expectation: 65% in Physics 11 and successful completion of PreCalculus 11. Students should take PreCalculus 12 concurrently.

Physical Education

Physical Education 11 /12 [elective]

The aim of our PE courses is to enable all students to develop knowledge, movement skills, leadership, and positive attitudes and behaviors that contribute to a healthy, active lifestyle. Students can choose one or more courses from three streams of PE 11/12. All are offered only upon sufficient enrolment.

Active Living 11/12

This course focuses on a variety of team and individual sports, including basketball, volleyball, soccer, and badminton. Health topics are also covered through the use of journaling assignments.

Fitness and Conditioning 11/12

This course focuses on individual fitness activities, such as jogging, aerobics, and zumba. Participants will be expected to create a personalized fitness program.

Outdoor Education 11/12

This course focuses on outdoor activities. In conjunction with the Outdoor Club, students will participate in three outdoor activities (hiking, winter camping, and canoeing). Class time will be spent on trip preparation and fitness activities.