

2018-2019

# Course Calendar

**Credo Christian High School**

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**[1. COURSE OVERVIEW](#)**

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# 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	English 10	English 11 <u>or</u> Communications 11	English 12* <u>or</u> Communications 12*
Social Studies 8	Social Studies 9	Social Studies 10	Social Studies 11	History 12
Mathematics 8	Mathematics 9	Math Apprenticeship & Workplace 10 <u>or</u> Math Foundations/ 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 Education 8	Physical Education 9	Physical Education 10	Not required	Not required
Fine Arts & Applied Skills 8	Planning 9	Planning 10	Community Connections 11	Graduation Transitions 12
French	<b>Electives:</b> (Choose ONE of the following)  French 9 Textiles 9 Band 9 Technology Education 9  Note: Timetable accommodations can be made for students desiring French <u>and</u> Band.	<b>Electives:</b> (Choose ONE of the following)  French 10 <b>Textiles 10</b> <b>Band 10</b> <b>Technology Education 10</b>  Note: Timetable accommodations can be made for students desiring French <u>and</u> Band.	<b>Electives:</b> (Choose FIVE of the following)  Math Apprenticeship & Workplace 11 Math Foundations 11 Math Pre-Calculus 11 <b>Biology 11</b> <b>Chemistry 11</b> <b>Physics 11</b> <b>Science and Technology 11</b> French 11 Physical Education 11 <b>Accounting 11</b> <b>Art Foundations 11</b> <b>Band 11</b> <b>Business Information 12</b> <b>Digital Media 11</b> <b>Drafting/Design 11 #</b> <b>Journalism 12</b> <b>Textiles 11</b> <b>Automotive Technology 11</b> <b>Carpentry &amp; Joinery 11</b>  # Courses offered alternate years	<b>Electives:</b> (Choose FIVE of the following)  Math Apprenticeship & Workplace 11 Mathematics Foundations 11/12 Mathematics Pre-Calculus 11/12 <b>Biology 11/12</b> <b>Chemistry 11/12</b> <b>Physics 11/12</b> <b>Science and Technology 11</b> English Literature 12 # French 11 Law 12 Physical Education 11/12 <b>Accounting 11/12</b> <b>Art Foundations 11/12</b> <b>Band 11/12</b> <b>Business Information 12</b> Digital Media 11 Journalism 12 Yearbook 12 <b>Textiles 11/12</b> <b>Automotive Technology 11/12</b> <b>Carpentry &amp; Joinery 11/12</b>  # Courses offered alternate years

**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

# 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 Skills

The **Applied Skills** 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, 12](#)

[Business Information Management 12](#)

[Digital Media 11](#)

[Journalism 12](#)

[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 8

[Textiles 9](#)

[Textiles 10](#)

[Textiles 11 and 12](#)

### 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 Education 10](#)

[Carpentry Joinery 11 and 12](#)

[Automotive Technology 11 and 12](#)

[Drafting 11](#)

## 1.2 Planning

Planning 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)*

[Planning 9](#) (Health and Career Education 8 and 9 Learning Outcomes)

[Planning 10](#)

## 1.3 Fine Arts

Fine Arts include 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 10](#) (Part of Planning 10)

[Art Foundations 11 and 12](#)

[Digital Media 11](#)

### 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](#)  
[History 12](#)  
[Law 12](#)  
[Geography 12](#) (not every year)  
Comparative Civ 12 (not every year)

### 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. However, obedient response was rendered impossible by man's own wilful disobedience in paradise. With his fall, man also destroyed the perfect lingual relationship that had existed. Through His one sacrifice on the cross, Jesus Christ extends His healing powers also to language and to communication. Christ Himself is the Word made flesh (John 1). Using words to perform miracles, Christ revealed His domination over the structures of creation, which He Himself made. As children who live in covenant fellowship with God, we are called upon to magnify His name in deed, and also in word. 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](#)  
[English 11 and 12](#)  
[Communications 11 and 12](#)  
[Literature 12](#) (not every year)  
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](#)

[Apprenticeship & Workplace Mathematics 10](#)

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

[Apprenticeship & 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](#)

[Biology 11 and 12](#)

[Chemistry 11 and 12](#)

[Physics 11 and 12](#)

[Science and Technology 11](#)

## 1.6 Physical Education

### 1.61 Physical Education

Physical activity can be a wonderful thing. It brings physical fitness, it provides refreshment for work, 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 honor 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...

*"Do you not know that your body is a temple of the Holy Spirit who is in you, whom you have received from God? You are not your own; you were bought at a price. Therefore, honor God with your body."*

1 Corinthians 6:19-20

*"...Therefore, I urge you, brothers, in view of God's mercy, to offer your bodies as living sacrifices, holy and pleasing to God - This is your spiritual act of worship..."*

Romans 12:1

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 Education 9](#)

[Physical Education 10](#)

[Physical Education 11 and 12](#)



# 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. 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 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 Education 9 [elective]

Technology Education 9 introduces students to the importance of technology, order and design, creative and manual work. Students will enter the world of electronics and computer control. 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. So, LED's, buzzers, push-buttons, and DC motors are all used and controlled with the Pi. After that, they enter the metal shop for some very basic metalworking, including shop safety, layout work, hand tools, power tools - including the milling machine, small propane torch and lathe.

### Planning

#### Planning 9 (Health and Career Education)

Health and Career Education is a course that makes up one third of the Planning 9 course. 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. Living in a Christ-like manner in today's world can be challenging. This course intends to offer you a place to discuss, learn, and develop valuable Christian life skills.

1. **Healthy Living:** Growing and changing; good health; healthy eating; health risks
2. **Healthy Relationships:** 7 Habits of Highly Effective Teens Unit; respecting others; Raising Teens in Today's World – Project
3. **The Graduation Program Introduction:** Course requirements; exam requirements;
4. **Exploring Career Options:** Pathways to careers;

#### Planning 9 (Information Technology)

In today's world computers are very useful tools. At school, work or home computer literacy is virtually a must. In this term of Planning 9 students will be exposed to a variety of hands-on-computer experiences. They will be introduced to Word, Excel and PowerPoint. These tools are very useful for managing information, creating presentations and reports, and communicating ideas and information to others in creative, God-pleasing ways.

internet exploration

5. **Employability Skills:** Youth and employment; workplace skills;
6. **Communication;** The #1 Job Skill
7. **Resumes and Cover Letters:** Entering the world of work; the online resume tutorial; developing a resume

## 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.

## 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 Job 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. A wide range of activities will be part of the course; things ranging from vocabulary and composition activities, to speaking, listening, and reading activities. Students will be encouraged to use language meaningfully, think and express themselves discerningly, and to creatively bring glory to God through the beauty and power of language. We will study novels, short stories, poetry, and digital media, develop our grammar and vocabulary skills, and create a variety of written and digital compositions. An important part of this course is learning to use language purposefully while creating and refining text for a variety of audiences and purposes. Students will learn to assess and refine their work so that it is clear and effective, utilizing and further developing their composition skills and writing strategies. Developing these language skills will help us become better disciples of God, enabling us to think carefully and communicate thoughtfully with others in our world.

## Social Studies 9

The Social Studies 9 program will introduce students to the geography, history and culture of Europe and Canada during the period of 1500-1815. The students will examine the political and economic changes in Europe and North America to learn how historic forces such as revolution, imperialism, colonialism, 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 inequations 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 Education

### Physical Education 9

In Physical 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 "Active Health" studies using the Level II materials. In particular, they focus on developing positive attitudes and a clear understanding of fitness and exercise. Students will also be introduced to a unit of study on the effects of alcohol. Fitness testing throughout the year will also be designed to improve and maintain an optimal level of health and physical fitness.

# Grade 10 Courses

## Applied Skills

### **Clothing and 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 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 Education 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 the metalworking and woodworking. Time will be spent exploring the physical characteristics and properties of materials used in both trades in order to better understand how to work with them in project construction. Safety issues that pertain to working in a shop environment will be discussed and students will be challenged to demonstrate knowledge of working safely with the different types of hand and stationary power tools available in the shop during the construction of a variety of different projects.

## Planning

### **Planning 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 Planning 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. Planning 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

### Visual Arts 10

Taken as part of the *Planning 10 course*, the Visual Arts 10 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, sculpture and ceramics 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 (colour wheel and colour mixing)
- Art History: Baroque, Romantic, Realistic, Impressionistic
- Portraiture and figure drawing studies
- Media: pencil, chalk and charcoal, clay, chalk and oil pastel, acrylic paint, water colour paint

Evaluation is based on an image development journal; context (art history, issues, etc.); processes, materials and technologies; and student perceptions of and responses to art.

### Instrumental Music 10 [elective]

This program 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. Throughout the course the connectedness of Jesus with the Old Testament will be emphasized in redemptive historical fashion:

1. Jesus as the second Adam came to complete what the first Adam could not.
2. Jesus is the fulfillment of the OT prophecies
3. Jesus has given the Church today the mandate to spread the Good News.
4. Jesus points his followers forward to the fulfillment of His redemptive historical plan.

The students are encouraged to seek the kingdom of God by pursuing a living relationship with their Maker. Like Jesus did, so

### English 10

The English 10 program will involve students in the study of a variety of short stories, novels and poems and in the composition of short stories, essays and poems. Knowledge of literature contributes to responsible stewardship when it is used by students to inform their judgments, shape their opinions, solve problems, and guide their actions. Development of competency in writing helps the students express themselves with clarity and creativity in response to what they learn about the world. A willingness and eagerness to read expands their opportunities for knowledge and reflective thinking, and students are encouraged to do so, and to apply what they've learned into their own lives and attitudes. The instructional and assessment strategies will engage students in thoughtfully perceiving, assessing, and generating ideas about the world. The students will be encouraged to develop repertoires of skills and strategies to use as they anticipate, predict, confirm, and critique meaning while reading, viewing, listening and responding. In the context of in-class activities the students will be involved in

teenagers today are encouraged to 'grow in stature, in wisdom and in favor with God and man (Luke 2:52). Finally, where possible, Bible 10 students will be given the opportunity to include community-oriented activities in their Graduation Transitions Plan.

### Social Studies 10

God has placed us in a diverse country and called us to be faithful to Him and our neighbours at home and abroad. Since this faithfulness involves proper citizenship and stewardship we must learn all we can about Canada, our home, the way it is governed, the resources we have been given, and our trade relationships with other countries. Social studies 10 includes the history of Canada from 1812 to 1914 which covers such topics such as Confederation, the fur trade and settlement of the West. It also includes a study of the economy of Canada and its trade relationships with the United States and Pacific Rim Countries.

various types of writing. Students will produce several essays, short stories, poetry, and various other short writing pieces. A focus is given on refining and improving skills through each stage, and emphasis is placed on how to create a strong and well-balanced writing piece in every genre. Students are encouraged to look critically at their own work, identify shortcomings, and refine them.

### 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. 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 two French Bible verses each term.

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

## Mathematics & Science

### Mathematics 10 -- Apprenticeship and 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. A math activity 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 good understanding of basic mathematics principles and who may need mathematics as a graduation or post-secondary requirement.

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

## Science 10

The units of study in this course are divided into the areas of Life Science, Physical Science, and Earth and Space Science. The Life Science unit deals with the sustainability of ecosystems, focusing on the natural tendencies of ecosystems and how humans have an impact on the environment. 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 this relates to radioactivity. In the Physics section, the concept of motion is studied. Finally, the Earth and Space Science unit deals with energy transfer in natural systems, especially relating to climate, and plate tectonics and its effects. Lab work is interspersed throughout to help discover the concepts covered.

## Physical Education

### Physical 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 hopefully discover how they can honor God through physical activity and healthy living. There are 3 important components that make up the PE curriculum: Active Living, Movement Skills, and Safety, Fair Play, and Leadership. 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 IRP for Physical Education 10. Physical Education 10 is an extension of the curricula for Physical Education from Kindergarten to Grade 9. Physical Education is a required area of study from Kindergarten to Grade 10. Students must complete Physical Education 10 in order to satisfy provincial graduation requirements.



# Grade 11 and 12 Courses

## Applied Skills

### Accounting 11 [elective]

Accounting 11 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

### Accounting 12 [elective]

Accounting 12 is a continuation of Accounting 11. This course will begin with a review of what was learned last year and expand on those topics. Accounting 12 involves both manual and computerized accounting therefore the second half of the year will be spent in the computer lab. The first half of the course will focus on working with changes to the accounting cycle. The first change to be considered is how we will deal with a merchandising company and the changes this will bring along. Other topics to be covered in the first half of the year will be:

- Cost of Goods Sold
- Federal and Provincial tax
- Various adjusting entries to the entire accounting cycle.

In the computer lab we will work through the entire accounting cycle for various businesses, learning all the keyboard strokes involved in establishing and maintaining financial statements for these companies.

### Automotive Technology 11 [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. Automotive Technology 11 provides students with a base of knowledge and skills relating to the automobile. Students will be introduced to the operation, service and repair of various automotive systems as they cover topics such as shop safety practices, identifying and using tools and equipment, automotive engines, and electrical systems.

### Automotive Technology 12 [elective]

The Technology courses offered at Credo will assist students in identifying the kinds of skills, attitudes, competencies, and qualities that form the foundation for a career in technologies. Automotive Technology 12 is designed to help students build on the base of knowledge and skills introduced in Automotive Technology 11. Students will begin by reviewing the operation of various automotive systems as they cover topics such as shop safety practices and identifying and using tools and equipment. They will then be introduced to the operation, service and repair practices of automotive brakes, suspension and steering systems.

### Business Information Management 11 [elective]

This course is designed to strengthen word processing, spreadsheet, database, Power point, publisher and photo shop 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.

### **Carpentry/Joinery 11 [elective]**

Carpentry/Joinery 11 gives the students an opportunity to expand their woodworking abilities and interests. The focus of the course is on the construction of furniture and cabinetry. We will start with a discussion on safe work habits for a woodworking shop environment and proper use of the various hand and power tools. Following a discussion on furniture design and joinery techniques students will design and draw plans for a piece of furniture that they will build in the shop.

### **Carpentry/Joinery 12 [elective]**

In Carpentry/Joinery 12 students have the opportunity to further develop the skills developed during Carpentry/Joinery 11. The first two terms of the course will focus on the various practices of residential building construction including the following topics:

- Building Materials
- Construction Site Safety
- Drawings & Specifications
- Hand Tools
- Portable Power and Shop Tools
- Site Layout
- Concrete Formwork
- Frame Residential Housing

Students will also have the opportunity to complete a number of practical assignments designed to help them to better understand the concepts of building construction.

During the last two terms, students will have the opportunity to further develop their skills in residential construction by building a small shed/playhouse or they can hone their woodworking skills as they design and build a furniture project of their choice.

### **Digital Media 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 could include desktop publishing, website creation, digital image and sound manipulation, movie making, animation or 3-D modelling. 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.

### **Drafting and Design 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 drafting tools and practice drawing techniques using industry standards to produce 2-D drawings. Following this aspect of the course students will be introduced to computer assisted drafting (CAD) using the AutoCAD program. With this program students will produce orthographic views, create 2-D drawings, and learn how to dimension these objects. Finally, they will demonstrate their understanding of drafting by producing working drawings used by the industry to create machine parts.

## Journalism 12 [elective]

(BAA – Board Authority Authorized course)

Students in this class are introduced to the basics of journalism with the final task being the production of the school annual.

Some of the concepts covered are:

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

## Yearbook 12 [elective]

(BAA – Board Authority Authorized course)

Students acquire publishing and journalism skills while producing the school annual. Students will be able 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 team work 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.

## Textiles 11 [elective]

This core textiles course covers the various sewing techniques necessary for basic garment construction. It begins with the practical application of a lapped zipper and properly stitched darts. These techniques are immediately applied to the first required sewing project, a 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 second required project is a quilt, where students 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 is a unit on Fashion Sketching with students creating a design project to enter in a national student competition. If time permits, students will be allowed to start on a project of their own choosing.

## Textiles 12 [elective]

This course will cover a variety of skills and theory, applied to the creation of a fitted shirt dress. 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. Students will learn how to construct a muslin and transfer fitting information to their pattern. Students will learn buttonhole construction, collar construction, sleeve insertion, and making cuff plackets. There is a unit on Fashion Sketching with students creating a design project to enter in a national student competition. Students will master additional garment construction techniques including tucks, various kinds of pockets, and various kinds of seams. If time permits, students will be allowed to start on a project of their own choosing.

## Planning

### Graduation Transitions

Graduation Transitions (Grades 10–12) is intended to prepare student for a successful transition to life after secondary school. In order to do meet this goal Graduations Transitions encourages student 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. Areas covered: daily physical activity/nutrition/practices for development of emotional & spiritual health; self-assessment and development of employability skills; Intentional planning--from a Biblical perspective—for entry into post-secondary education or the workplace.

## Fine Arts

### Art Foundations 11 [elective]

The Visual Arts 11 program 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 print making 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
- Media: pencil, charcoal, plaster, clay, watercolour, acrylic, printmaking inks
- Still Life
- Figure Drawing
- 3D Figure Sculpture
- Pottery
- Multicolour Prints

Evaluation is based on an image development journal; context (art history, issues, etc.); processes, materials and technologies; and student perceptions of and responses to art.

### Art Foundations 12 [elective]

The Visual Arts 12 program 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 print making 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: Art through the ages (Cave Art to the Modern Era on a rotating schedule)
- Media: pencil, charcoal, plaster, clay, watercolour, acrylic, printmaking inks
- Still Life
- Figure Drawing
- 3D Portraiture
- Landscapes
- Abstract
- Multi Media

Evaluation is based on an image development journal; context (art history, issues, etc.); processes, materials and technologies.

### 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 express. 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. For those considering music beyond high school, we will study the theory of music necessary for entry into a university or college music program. Also, we will look at the technical skills necessary for the same. This will not, however, be a year of purely theoretical study. 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.

# Humanities

## Bible 11

(BAA – Board Authority Authorized course)

The development of the early Christian Church is the focus of the Bible 11 program. We will trace the growth and development of this early church by studying the Book of Acts, relevant sections of the Epistles to the churches, and the Book of Revelation. 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; evangelism and mission; and the five points of Calvinism also known as the acronym TULIP. Also included in the year will be a unit on the history of the Reformed Churches from the Secession to the present. Finally, as in Bible 10, students will be given the opportunity to include community-oriented activities in their Graduation Transitions Plan.

## 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: justification, sanctification and Christian freedom (Romans); love and sexuality (Song of Songs); the fear of God as wisdom (Proverbs); the secular versus the Christian worldview (Ecclesiastes); and responding to God with their own words (Psalms).

## English -- Communications 11

Students in Communications 11 continue to study God's gift of language in an integrated way. Students will develop their language skills to communicate effectively with our Heavenly Father and with others. Students will better understand the world in which they live through reading, listening and viewing; and communicate their own values and beliefs through writing, speaking and representation. In Communications, students will examine a variety of texts focusing on comprehension and practical skills rather than analysis. Themes discussed will include human nature, evil, the individual and society, ethics and morals. Students will continue to develop their research skills (Credo Style Guide/ essay/ research methods/ mechanics/ grammar), composition skills (essay and genre writing) and to express themselves with clarity and creativity in a range of communication genres

## English -- Communications 12

Using a variety of formats and sources, students will be encouraged to hone their language, reading and composition skills. Students will be urged to capitalize on the problem solving techniques learned in Communications 11 and grow in confidence in their communication skills. The study of novels, plays, poetry, and short stories will enhance students' literal and critical comprehension. As well, students' own writing will be generated in a variety of formats including journals, reports, resumes, speeches, letters, advertisements, and so on. The focus for much of the work done in Communications is on variety rather than depth. Students will be encouraged to broaden and strengthen those skills that are most important to their post-secondary activities in the work force. Hence, for students in Communications, the emphasis is on relevance and practicality rather than on preparation for further study in these areas.

## English -- English 11

Students in English 11 continue their study of the amazing gifts of language and literature. Students will experience artistry and creativity through the study of literature. They will continue to develop their own creative and artistic works. They will hone their communication skills in terms of reading and listening to understand others as well as speaking and writing to share their own thoughts and ideas. Students will gain understanding of world in which they live through reading, listening and viewing and communicate their own values and beliefs through writing, speaking and representation. Students will explore, analyze and

## English -- 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

respond to different themes in literature including human nature, evil, the individual and society, ethics and morals, etc. In addition, students will continue to develop their research skills (Credo Style Guide/ essay/ research methods), composition skills (essay and genre writing), and to express themselves with clarity and creativity in a wide range of communication genres.

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.

### English -- Literature 12 [elective]

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. Literature 12 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.

### 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 five thematic units. 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 two Bible verses each term.

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

### 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.

### Social Studies 11

Social Studies 11 is a course about Canada in the Twentieth Century. It is a course that encourages a study of the history, political framework, and geography of our nation. Throughout the early 20th Century immigrants flocked to Canada and have permanently altered the social and cultural landscape. Periods of

### History 12

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

rapid growth were interrupted by wars, economic depressions and natural disasters. Canadian society has become increasingly urbanized and multicultural. Canada's towns have become cities. Canada's governments have become increasingly complex and intrusive. Canada's relationship to the rest of the world has become more independent and more complex both in foreign policy and trade. These changes have often been the source of tension and social and political conflict. Students will be challenged to think Christianly and critically about these issues. They will be encouraged to develop their skills in the areas of research, reporting, reasoning and communication.

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 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 will visit courtrooms at several locations and reinforce their theoretical learning with first-hand experience. Students who learn to respect the rule of law and appreciate the benefits of our legal system will be more likely to become active, productive, and well informed citizens. Since immersion into Law is the best way to learn it, students will participate in numerous case studies, role plays, and mock legal negotiations to experience the roles of lawyers, plaintiffs, defendants, and judges. 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. A variety of film resources are used in the course, including interviews and documentaries on some of western civilization's most notorious criminals. 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 -- Apprenticeship and 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.

### 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.

### 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.

### 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; trigonometry; exponential and logarithmic functions; rational functions and function operations; permutations, combinations, and the binomial theorem.



### Science -- Biology 11 [elective]

Biology 11 provides students with an opportunity to closely examine the world that God has created. We will examine the diversity of life on earth and the way in which each created thing interacts with others. The course is divided into several distinct units:

- Methods and Principles: focuses on Evolution, Classification and Levels of Organization
- Microbiology: focuses on Viruses and Bacteria
- Plant Biology: focuses on Algae, Mosses, Ferns, Gymnosperms and Angiosperms
- Animal Biology: focuses on a range of animals from the 9 Phyla
- Ecology: focuses on components of the Biosphere, interactions between organisms, ecosystems, and how humans affect creation

### Science -- 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:

- Cell Structure: Cell Organelles
- Cell Compounds: Water, Acids, Bases, Buffers and the Molecules of Life (organic molecules)
- Protein Synthesis
- Cell Transport: A close look at the cell membrane and movement of substances through it
- 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 the 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.

### Science -- Chemistry 11 [elective]

A wide variety of topics is 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. Special emphasis will be placed on lab work and its requirements: measurement, calculations, mathematical analysis, assumptions, theory formulation, predictions, error, safety, manipulation of equipment, etc. This course extensively deals with the development of concepts. Students should be proficient in mathematics to ensure optimum benefit from this course.

### Science -- Chemistry 12 [elective]

This course covers few topic areas, but delves into much greater detail than is possible in Chemistry 11. Specifically, this course covers: thermodynamics, reaction kinetics, 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.

### Science -- Science and Technology 11 [elective]

The course explores the world of science through the use of technology to solve various design challenges. Students will develop an understanding of the nature of science and technology, of the relationships between science and technology, and of the social and environmental contexts of science and technology.

### Science -- Geography 12 not offered in 2018-19

As Christians we believe that we are stewards of God's creation. An intimate knowledge of creation and man's role in it helps us know and honour our Creator better and gives us the tools to manage our environment to his glory and for the betterment of mankind. Geography 12 focuses on physical geography. Students will study different aspects of the lithosphere, biosphere, atmosphere and hydrosphere and their interaction with each other. We 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), energy, work, power, waves, sound, light, and relativity. Students should be prepared to be involved with experimental work with small graphs. 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.

*It is strongly recommended that students are also taking Pre-Calculus 11.*

### 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: kinematics (the study of motion), forces, electrical circuits and electromagnetism. The lab work is quite detailed and involves delicate apparatuses but the resulting precision yields satisfaction and a sense of achievement. This course relies heavily on the student's competency in algebra and trigonometry and vectors.

*It is strongly recommended that students have taken Pre-Calculus 11 and are taking Pre-Calculus 12.*

## Physical Education

### Physical Education 11 /12 [elective]

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 hopefully discover how they can honor God through physical activity and healthy living. There are 3 important components that make up the PE curriculum: Active Living, Movement Skills, and Safety, Fair Play, and Leadership. 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 IRP for Physical Education 11. The Physical Education 11/12 curriculum builds on and expands the curricula developed for Kindergarten to Grade 10.

# 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.

## Humanities Courses:

### Biblical Studies 11 YPHR-1A

A study of Church History (1816-present), 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 MEN--11

Continue to develop the abilities to express and analyze ideas in written and spoken form.

### English 12 MEN--12 (requires English 11)

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

### English Literature 12 MLIT-12 (not offered 2017-2018)

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

### 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.

### History 12 MHI--12 (can only be taken in Grade 12)

European history from WW1 to the mid 1990's.

### Law 12 MLAW-12

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

### Social Studies 11 MSS--11

Canadian History: 1815 to the present.

## Science Courses: (pay attention to minimum expectations)

### Biology 11 MBI--11 (min 60% in Science 10)

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

### Biology 12 MBI--12 (min 65% in Bio 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.

### Science and Technology 11 SCT--11

Using science and technology to solve design challenges.

### 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.

## Physical Education:

PE is not required if students have taken PE in Grades 8, 9, and 10. However students not taking PE will need to complete their Daily Physical Activity (DPA) requirements some other way.

### Physical Education 11 MPE--11

Through various games and activities, students will experience and develop knowledge, skills and attitudes useful for maintaining a healthy, active lifestyle. Senior PE is taught in a two year cycle.

### Physical Education 12 MPE--12 (requires PE 11)

Same as PE 11.

## Math Courses: (pay attention to minimum expectations)

### Apprenticeship and Workplace Math 11 MAWM-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.

Choose at least **one** math in Grade 11 **or** 12

## Applied Design, Skills, and Technologies

### Accounting 11 MAC--11

Managing business finances.

### Accounting 12 MACC-12 (requires Accounting 11)

Managing corporate finances.

### Art Foundations 11 MAF--11

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

### Art Foundations 12 MAF--12 (requires Art 11)

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

### Automotive Technology 11 MAT--11

Intro to automotive systems.

### Automotive Technology 12 MAT--12 (requires Automotive 11)

Intro to basic automotive maintenance.

### BA Journalism 12 YCCT-2AJOU

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

### BA Yearbook 12 YCCT-2BYBK (requires Journalism 12)

Become the seniors in charge of the current Yearbook.

### Business Information Management 12 MBIM-12

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

### Carpentry & Joinery 11 MCJ--11

Intro to cabinet making.

### Carpentry & Joinery 12 MCJ--12 (requires Carpentry 11)

Intro to residential construction.

### Drafting & Design 11 DD--11

Intro to technical drawing and AutoCAD.

### ICT: Digital Media Development 11 MICTM11

Intro to creating digital art using Adobe Illustrator and Photoshop.

### Instrumental Music 11: Concert Band MIMCB11

Instrumental music in a wind band setting – Level 1.

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

Instrumental music in a wind band setting – Level 2.

### 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.

Choose at least **one** science in Grade 11 **or** 12

NOTE: If you do not meet the minimum expectations for a course you wish to take, please consult with the school administration. Actual course offerings are subject to change depending on enrolment, timetabling restrictions, staffing, and other factors.



**1. Does my child need to take French?**

Students are encouraged to enroll in French, provided they successfully completed French the year before. A second language at the grade eleven level (French 11 at CCHS) is recommended or required by the majority of university academic departments.

**2. If I take the Band/French combination in grade 10, how do I complete my PE 10 credits?**

This requirement is completed by students enrolling in Block X 10 PE, and Block X 11 PE or taking PE 11 and receive credit for PE 10.

**3. Can I retake a course for the second time?**

If a course has been successfully completed, a student may not register for the course again.

If a higher grade point average is required for post-secondary entrance, this matter can be reviewed with the school administration.

**4. Can I take an online course?**

Students registered in a BC school may take any online course (at no cost) but not as a substitute for Credo's course offerings. Credo is not an online school and also do not have the staff or room to facilitate supervision for students wanting online courses during Credo hours. Students who do complete an online course independently will have the completed credits included on their final Transcript of Grades.

**5. Can I have a study block?**

All students need to fill their 8-block cycle with Credo course options. Because the study block requests would affect all 8 blocks (not all students have the same timetable) we would need classroom space and full-time staff for supervision. With our growing student population we are already challenged with classroom space. Study blocks would also impact Credo's course offerings and in turn would affect choice offerings for other students.

**6. Do I need a pre-requisite course for a course marked 12?**

Some courses have prerequisites, as shown on the course list. For courses that do not have prerequisites, Grade 11 students may enroll in Grade 12 courses during their Grade 11 year.

**7. Do I need a Fine Arts credit and an Applied Skills credit?**

Students need to complete one Fine Arts or Applied Skills credit at either the grade 10, 11 or 12 levels.

**8. When do course selections need to be completed?**

Parents are encouraged to **review and complete** (student portal) **course selections** with their son/daughter by **April 20<sup>th</sup>**. The final **Course Selections** form will need to be signed and submitted by **May 11<sup>th</sup>**.

**9. Is it possible to change the course selections after the end date?**

Yes, in consultation with the school administration, and if the class size maximum has not been reached.