

Calvin Christian School
Collegiate Campus

Course Catalogue 2021/22
Grade 7 - 12

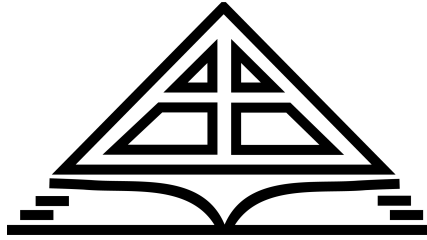
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This document is subject to change but every effort is made to fairly represent the general content of the high school program. Until scheduling is complete, some of the information is considered preliminary.
Rev. 2021-03-23



Calvin Christian School
Where Christ is in the Heart of Education

Calvin Christian School Mission Statement

Calvin Christian Schools serve Christian families by providing a secure learning environment in which God's children can explore, experience and evaluate all of life under the lordship of Christ.

Calvin Christian School Vision Statement

Our vision is to be an educational community equipping our students to live as followers of Christ:

- Being transformed by the renewing of our minds (Romans 12:2)
- Growing in wisdom and striving for academic excellence
- Developing as servant leaders
- Acting with compassion and justice in the world
- Demonstrating a growing faith in God

General School Profile

Calvin Christian School is an independent Christian school serving approximately 450 students in Kindergarten through Grade 12.

All Calvin Christian School teachers are committed Christian believers and certified teachers with the Manitoba Department of Education and Training. All families wishing to associate themselves with the school must express a Christian faith commitment and agreement with the Purpose and Basis (See Excerpts from the Constitution in our document *General Information*).

Table of Contents

Calvin Christian School Mission Statement	1
Calvin Christian School Vision Statement	1
General School Profile	1
Introducing Calvin Christian School – Collegiate Campus	6
What have we expanded upon over the years	6
Five Block Schedule	7
Delivery of Courses	7
Service Requirement	8
Eligible Volunteer Work	8
Inter-School Sports	9
Middle Years (Grades 7 - 8) Program of Studies	9
Grade 7 Program of Studies	9
Prescribed Courses	10
Course Descriptions for Selected Courses	10
7 Applied Arts (TBD)	10
7 Art	10
7 Bible	10
7 Choir	10
7 Drama	11
7 ICT (Information and Communication Technology)	11
7 Language Arts	11
7 Math	11
7 Physical & Health Education	12
7 Science	12
7 Social Studies	12
Grade 8 Program of Studies	12
Prescribed Courses	12
Course Descriptions for Selected Courses	13
8 Applied Arts (TBD)	13
8 Art	13
8 Band	13
8 Choir	13
8 Drama	14
8 French	14
8 ICT (Information and Communication Technology)	14
8 Language Arts	14
8 Mathematics	14

8 Physical & Health Education	15
8 Science	15
8 Social Studies	15
Senior Years Program of Studies	16
Graduation Requirements: Senior Years Academic Program	16
Recommendations and Procedures for Course Selections	16
Time for Course Selection	16
Changing Course Selections	16
Course Transfers and Withdrawals	16
Course Availability	16
Biblical & Christian Worldview Studies	16
Mathematics	17
Mathematics Course Selection Guidelines	17
CCC Math/Science Prerequisite Charts	17
Grade 9 Program of Studies	18
Applying Information and Communication Tech 1 15F (TBD)	18
Biblical & Christian Worldview Studies 11G: History of the Promised Land	18
Canada in the Contemporary World 10F (Social Studies)	18
Digital Pictures 25S	18
Drama 15S: 1A Improvisation & Performance	18
English Language Arts 10F	19
French: Communication and Culture 10F	19
Life/Work Exploration 15S	19
Mathematics 10F	19
Music 1A: Band 10S	19
Music 1B: Choir 15S	19
Music 2A: Jazz Band 15S	20
Outdoor Education 21G	20
Physical & Health Education 10F	20
Science 10F	20
Visual Arts 1A: 10S	20
Grade 10 Program of Studies	21
Biblical & Christian Worldview Studies 21G: Ethics	21
Desktop Publishing 35S	21
Digital Filmmaking 25S	21
Digital Pictures 25S	21

Drama 25S: 2A Stagecraft and Design	21
English Language Arts 20F	21
Essential Mathematics 20S	22
French: Communication and Culture 20F	22
Geographic Issues of the 21st Century 20F	22
Introduction to Applied & Pre-Calculus Mathematics 20S	22
Journalism 21G	22
Music 1A: Band 20S	22
Music 1B: Choir 25S	23
Music 2A: Jazz Band 20S	23
Outdoor Education 21G	23
Physical & Health Education 20F	23
Science 20F	24
Spanish 15F	24
Visual Arts 1A: 20S	24
Visual Arts 3A: Film: A Christian Perspective 25S	24
Grade 11 Program of Studies	25
Applied Mathematics 30S	25
Biblical & Christian Worldview Studies 31G	25
Biology 30S	25
Chemistry 30S	25
Desktop Publishing 35S	25
Digital Filmmaking 25S	26
English Language Arts: Comprehensive Focus 30F	26
Essential Mathematics 30S	26
French 30S (Basic French)	26
Graphic Communication Technology 40S: Yearbook Creation	26
History of Canada 30F	26
Journalism 21G	26
Music 1A: Band 30S	27
Music 1B: Choir 35S	27
Music 2A: Jazz Band 30S	27
Physical & Health Education 30S: Active Healthy Lifestyles (General)	27
Physics 30S	28
Pre-Calculus Mathematics 30S	28
Spanish 15F	28
Visual Arts 2A: 30S	28
Visual Arts 3A: Film: A Christian Perspective 25G	28

Grade 12 Program of Studies	29
Applied Mathematics 30S	29
Applied Mathematics 40S	29
Biblical & Christian Worldview Studies 41G: Issues of Contemporary Christian Living	29
Biology 40S	29
Canadian Law 40S	30
Chemistry 40S	30
Desktop Publishing 35S	30
Digital Filmmaking 25S	30
English Language Arts: Comprehensive Focus 40S	30
English Language Arts: Literary Focus 40S	30
English Language Arts: Transactional Focus 40S	31
Essential Mathematics 30S	31
Essential Mathematics 40S	31
French 40S (Basic French)	31
Global Issues 40S: Citizenship & Sustainability	31
Graphic Communication Technology 40S: Yearbook Creation	32
History: Western Civilization 40S (<i>Not offered 2021-22</i>)	32
Music 1A: Band 40S	32
Music 1B: Choir 45G	32
Music 2A: Jazz Band 40S	32
Physical & Health Education 40S: Active Healthy Lifestyles (General)	32
Physics 30S	33
Physics 40S	33
Pre-Calculus Mathematics 40S	33
Psychology 40S	33
Visual Arts 2A: 40S	34
Other Credit Opportunities	35
Apprenticeship Opportunities	35
Credit for Employment 30G or 40G	35
Independent Study	35
Dual Credit Courses	36
Military and Other Credits	36
Special Language Credit	36
Student Initiated Projects	36

Introducing Calvin Christian School – Collegiate Campus

After 41 years of operating what was a K - 9 school for most of that time, we began to add a high school program. Adding Grade 10 in September 2002 was the first step in a longstanding vision - a vision for a high school program that we now have realized. On the strength of God's blessing these many years, we were able to move forward with confidence. By God's grace, we have experienced a history and established a reputation that has provided a solid foundation for the years to come. Our constituency was behind us and our Lord went before us into that exciting new venture. Grade 12 was added in the fall of 2004 and we now look forward to further growth as a school in student numbers, programs, and facilities.

We did not establish our collegiate campus to compete with other high schools. Our purpose was to *extend* and *expand* the blessing and excellence that was and is Calvin Christian School. Our desire was to realize our vision for quality Christian education: "to constantly improve the educational environment, strive for academic excellence, and provide learning opportunities to equip our students to live as Christians in a changing world." God helping us, we have accomplished that.

At Calvin Christian we offer a strong academic program that meets or exceeds the requirements of the Manitoba Department of Education & Training at all levels. The senior years program (Grade 9 to Grade 12) leads to high school graduation and entrance to all post secondary institutions. Calvin Christian School extended its program into high school on the strength of its history and reputation in Christian education. We are well known for the climate of Christian community and for the supportive learning environment we have created for our students and families. We exist to provide an education that integrates faith and learning in an intentional and living way. To that end, our programs include opportunities for service and travel and for the development of a genuine Christian consciousness. It is our goal, in the educational context, to know and live what it means to "take captive every thought to make it obedient to Christ" (2 Corinthians 10:5).

You can count on excellence in the delivery of core subjects, like Biblical Studies, Language Arts, Science, Social Studies, Math, and Physical & Health Education. In addition we extended the strong programming we had in the optional subjects of French, Spanish, Band, Art, and Computer Studies. We also offer a variety of options through online and distance education courses.

What have we expanded upon over the years

- Our Bible program from Grade 9 to Grade 12 was renamed to more accurately reflect the content. It is called "Biblical and Christian Worldview Studies." The Grade 9 to 12 series is capped off with Grade 11 and Grade 12 studies in the Christian Schools International curriculum *Living in Hope*, a Christian sociology course and with study of the opportunities and issues in the emerging post-modern church.
- We're excited about our course offerings in the area of technology starting with a general computer and technical applications courses from Grade 7 through Grade 9. In subsequent years exciting courses have been developed:
- Desktop Publishing/Yearbook - In this course students are introduced to professional digital publishing tools like InDesign, Illustrator, and Adobe Photoshop. They will be able to put their skills to use by carrying out print jobs solicited from, and submitted by local business. In addition, the students in this class produce the school year book using digital tools and digital photography - no more old-fashioned cutting and pasting.
- Digital Filmmaking - Students are introduced to high-end digital video editing tools - some of the same ones used by major motion picture studios. They will storyboard, shoot, edit and produce video projects for school and for others. In addition, they will learn to use sophisticated multimedia tools and will acquire marketable skills for a working world increasingly calling for employees with

technological skills. The best of the student videos are featured in the Calvin Christian School Film Festival.

- Our students in the senior years programs enjoy access to technology unprecedented in our school's history. In addition to our computer lab, workstations are available in the library and the classrooms. A robust Wi-Fi and Internet access system has been implemented in our school to accommodate personal devices that are used in our classrooms for research and projects.
- Our Band program has continued from its fine beginnings in concert band and has extended into Jazz!
- We provide opportunity for travel* through:
 - Service Oriented Trips: Mexico Impact Trip 2022 for our grade 11 students will be an excursion to a cross-cultural setting to build homes and share the love of Christ for families living in extreme poverty.
 - Grade 11/12 French Trip to Quebec: Immersion Experience (alternate years)
 - Grade 10 Chicago/New York Band/Art Trip
 - Outdoor Education Trips: ice fishing, camping

* *With travel restrictions in place, we are striving to provide local options. TBD*

- Students continue to develop a heart for service in grade 12 by participating in I.C.E. (Inner City Experience), a one-week adventure in Winnipeg's inner city. With the professional assistance of Siloam Mission and other inner city ministries, the students experience a safe and challenging exposure to ministry opportunities in the city.
- To expand our range of course offerings, we take advantage of Independent Study & Distance Learning opportunities from Manitoba Education. Manitoba Education offers a variety of courses not offered as part of our regular courses. Find more information on page 43.

Five Block Schedule

We operate on a five-block (65 minute), two-semester schedule.

SLG	8:51 - 9:06
Block 1	9:06 - 10:11
10 minute break	
Block 2	10:21 - 11:26
2-minute transition time	
Block 3	11:28 - 12:33
Lunch	12:33 - 1:16
Block 4	1:18 - 2:23
2-minute transition time	
Block 5	2:25 - 3:30

Delivery of Courses

High School: Grade 9-12 – The Grade 9 to Grade 12 students at Calvin are scheduled into a semester system. This means that the school year is divided into two semesters, with these approximate dates:

Semester 1 – September to January

Semester 2 – February to June

One-credit courses are generally taught every day and are completed in one semester ending with a final exam or term project. Half credit courses are taught every other day for one semester. Selected courses are taught on alternate days throughout the entire year.

Middle School: Grade 7-8 – Our core subjects; Math, Science, English Language Arts, Social Studies, French, and Physical & Health Education are taught throughout the calendar year. Other required courses such as Bible and ICT, plus other option courses are scheduled in a semester system format.

Service Requirement

In keeping with our vision statement, Calvin Christian School has always encouraged students to be engaged in service opportunities. In order to accomplish the goal of cultivating a servant heart within the student body, we have formalized a service program that will require a modest amount of documented service time in each of the high school years. From Grade 9 to Grade 12, it is the expectation that students will accumulate 110 hours of volunteer service - the equivalent of one additional senior year's academic credit, as recognized by Manitoba Department of Education & Training. Consequently, the Calvin Christian School graduation requirement has increased from the 30 required by Manitoba education to 31 credits. While students are expected to accumulate 110 hours of community service in order to receive 1.0 credit they are encouraged to do more than that. There is much to be done in God's Kingdom. However, Department of Education policy is such that a maximum of 1.0 credit may be awarded for Community service regardless of how many hours are submitted.

Students Who Have Not Attended Calvin for All four High School Years

Students who have not attended Calvin Christian School for all four years of their high school program may transfer volunteer hours from their previous high school. A minimum of 25 hours of service per year while attending Calvin Christian is recommended/expected with one half credit being granted for 55 hours accumulated while at Calvin.

Eligible Volunteer Work

Many of our students are already engaged in a number of volunteer activities that may be used to partially satisfy the requirement. In order to ensure that students explore different settings for service we are dividing the service experience into two large categories. Those associated with the school or church and those completely disconnected with organized school/church activities.

- A total of 80 hours over the 4-year period may be accumulated for service at church and school. Eligible activities include:
 - Childcare or church ministry like teaching Sunday School
 - Participation in worship team, scorekeeping, front office volunteering, student council work, etc.
- A total of 20 hours may be accumulated for service in a position in a summer camp setting or an equivalent position. On occasion this component of the service hour credit might also involve church or school. For example, VBS occurs during the summer but it is not a regular church program that occurs weekly throughout the year. Other service opportunities will be considered on their merits but it may be advisable to speak to the Academic Advisor at the school to ensure its eligibility. Since these types of activity can involve a large number of hours we limit each year/experience to a maximum of 20 hours even though some, for example a summer camp, may be much longer than that. This 20-hour maximum applies to any singular activity including the church/school category described above.

Other hours may be accumulated through community service and may include activities such as volunteering at food banks, shelters, senior's residences, hospitals, community clubs, and community service agencies. The school is often approached by agencies looking for student volunteers and those opportunities are advertised to the student body. The annual grade 11 Mexico Impact trip counts as 30 hours of community service. The grade 12 inner city service project will also count for 30 service hours. Documentation for these two experiences need not be provided and will automatically be credited to the student since the school is aware of the student's participation.

Activities that are **not eligible** include volunteering for a “for profit” organization, work experience programs, helping friends and family (babysitting, etc.). If in doubt about the eligibility of a particular activity, speak to the Academic Advisor or a member of the administrative staff.

As mentioned, service opportunities in your community for seniors or the infirm are acceptable and your parents or the person served may provide documentation. Service assignments typically take place outside of school hours and students are required to make their own contacts and arrangements with an agency. Parents are encouraged to discuss potential placements with their children.

Volunteer activity is to be documented by an adult supervisor at a recognized service organization or program, **using a standard form** provided by the school. **All forms are to be kept by the student in a safe place and are to be turned in once the volunteer requirement is complete.**

Inter-School Sports

Calvin Christian School competes in the River East Transcona School Division Athletic Conference (Grade 7 and Grade 8). Senior years students participate in the Manitoba High School Athletic Association AAA Classification, Zone 14 (KPAC) for the 2021-22 school year.

Over our brief school history, our interschool sports teams have won a variety of Zone 12 Championship Banners at the JV and Varsity level in Volleyball, Basketball, Curling, and Soccer. We are especially proud of our accomplishments in provincial volleyball. We have attained numerous top 4 standings for both boys and girls’ teams at the JV and Varsity level. Recently, in 2017, our JV boys’ volleyball team were provincial champions and were also provincial finalists in 2015. We have also been finalists in 2013 and 2016 at the Varsity boys AAA category. In 2008 and 2014 our varsity boys were provincial champions, a great accomplishment for a school of our size competing at the AAA level.

Check out the MHSAA website for information on the classifications.

www.mhsaa.mb.ca

Middle Years (Grades 7 - 8) Program of Studies

Grade 7 and 8 programs, at our collegiate campus, provide a little more choice than elementary school programs. Students have opportunities to take Band, French, Drama, ICT¹ and Applied Arts (formerly Home Economics and Industrial Arts - TBD for 2021-22 school year).

The middle school program at Calvin helps smooth the transition from elementary school to high school. In keeping with middle school philosophy, we limit the number of teachers and the amount of class rotation for middle school students. At the same time, to give opportunity to study elective subjects with expert teachers, we do introduce more teachers and more rotation than would be typical in elementary school.

Grade 7 Program of Studies

Prescribed Courses

▶ 7 Bible	▶ 7 Social Studies
▶ 7 English Language Arts	▶ 7 Applied Arts (Shops and Home Ec.) TBD
▶ 7 Mathematics	▶ 7 French

¹ ICT is the abbreviation for Information & Communication Technology (formerly computer literacy).

▶ 7 Physical and Health Education	▶ 7 Science
▶ 7 ICT	

For Grade 7 options, the courses below are available in various combinations. Not all combinations are available each year.

Option Combinations

Band (Double), Choir	Final course offerings are subject to sufficient enrolment in each of the options.
Band (Double), Drama	
Band (Double), Art	
Art (Double), Choir	
Art (Double), Drama	

Course Descriptions for Selected Courses

7 Applied Arts (TBD for 2021-22)

This course is offered at another school site within the River East Transcona School Division and gives the students continuing exposure to a variety of Industrial Arts and Home Economics experiences such as Electronics, Plastics, Metals, Foods, Fabrics, etc.

7 Art

This is an optional course for students interested in extending their art skills. Students explore a variety of media and learn to incorporate the principles and elements of art and design into each project assigned. Creativity is encouraged as students place their personal touches into each project.

7 Band

Students enrolled in Grade 7 Band form the Level 1 performance ensemble of Calvin Christian School and take part in festivals and school concerts. Students are expected to represent Calvin Christian to a wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regiment. Students should also be prepared to attend extra practices as required for any special events.

7 Bible

The course material will lead the students on a quick run through some basic topics of the Bible’s Old Testament. They will investigate how various parts of God’s story reveal His character and His desired relationship with all He has made. The Bible stories and verse memorization that will be focused on are intended to help students see from God’s perspective and to motivate them to draw near to Him so they know how to gain the wisdom needed to live well in this world. Students will also be challenged to take the various ideas of what they are learning and create a service project that will help them practice some of the truth and promises found in God’s word.

7 Choir

Students enrolled in Grade 7/8 Choir form the junior performance choir of Calvin Christian School. They participate in various community performances, and school concerts. Students are expected to represent Calvin Christian to a wider community during their performances. As a result students must meet a minimum level of skill making attendance and practice a key part of this course. Students should

also be prepared to attend extra practices as required for special events.

7 Drama

The provincial drama curriculum places the students at the centre of the learning process. Outcomes are introduced in grade 5 and build through grade 8. Drama attempts to give students opportunities to respond actively and creatively to what they know about the world. They will learn how to tackle new theatrical situations in a safe, supportive environment involving creative problem solving and risk-taking. Students will be exposed to improvisation, script writing, mime and play viewing. They will also practice interpreting *story* from a Christian perspective through visualizations and tableaux.

7 ICT (Information and Communication Technology)

This course is designed for students interested in developing their computer and technology skills. Students will begin to learn about how they can use Google Applications in their everyday lives inside and outside of school. Students will also explore topics surrounding technology such as Internet Safety and ethical behaviour in the virtual world.

7 Language Arts

In grade 7 Language Arts class students begin the year with peer interviews and oral presentations. Grammar, writing, vocabulary development and journaling are woven throughout the units of study and are part of a weekly routine. Units of study involve short stories and novels which include various projects completed individually as well as in a group setting. Throughout the semester the students will explore thoughts, ideas, feelings and experiences, respond to various texts, manage ideas and information, work to enhance their thinking, viewing and writing skills and celebrate and build community.

7 Math

This course is divided into 4 main units. Key concepts include:

- 1) Patterns & Relations: Algebra, Coordinate Grid, Graphing.
- 2) Number Sense: Operations with Decimals & Fractions, Divisibility, Percentages, Integers, and Estimation.
- 3) Geometry: Area & Perimeter of various shapes, Parallel & Perpendicular Lines.
- 4) Statistics & Probability: Mean, Median, Mode, Fractions/Decimals/Ratios, Theoretical & Experimental Probability.

Throughout this course, we will work to strengthen and challenge each student's math foundation. Learned skills are re-visited often in order to refresh and build confidence/speed, and form good work habits through our daily routines.

7 French

This is a basic French program incorporating reading, writing, listening and speaking skills. French verbs and other grammar begin to be taught more intentionally than in previous years, giving students building blocks for communication. This course is designed for those who have had some basic French language instruction in the past however students with no French experience will be able to integrate quite smoothly. A French/English dictionary (such as Collins-Robert French-English dictionary) is required. Students practice vocabulary on computers/devices at home and at school using a website/app called Quizlet.

7 Physical & Health Education

The course focuses on movement, fitness management, safety, personal & social management and healthy lifestyle practices. Each component enhances the importance of respecting and caring for God’s creation whether it be our bodies, our teachers and peers or sports equipment.

7 Science

This is a general science course required by all students. It emphasizes topics in the physical, biological, and earth sciences as well as the basics of chemistry. Topics include: interactions within ecosystems, the Particle Theory of Matter, forces and structures, and Earth’s crust. Students will build on previous knowledge of science safety and the scientific method and participate in designing and carrying out their own inquiry project.

7 Social Studies

Students in this course study a general overview of world geography. Class activities include formal and informal discussions, visual and written projects, presentations, and cooperative and individual work. There is a focus on mapping skills, geographical land and water forms, and our earth’s geographical and human resources. Throughout the course, students are encouraged to think critically about God’s plan for them on earth. Two areas of focus are:

- Global awareness of different cultures and geographical locations
- Our responsibility to care for and seek justice for the health and well-being of others

Grade 8 Program of Studies

Prescribed Courses

▶ 8 Bible	▶ 8 Social Studies
▶ 8 English Language Arts	▶ 8 Applied Arts (Shops and Home Ec.) TBD
▶ 8 Mathematics	▶ 8 French
▶ 8 Physical and Health Education	▶ 8 Science
▶ 8 ICT	

For Grade 8 options, the courses below are available in various combinations. Not all combinations are available each year.

Option Combinations

Band (Double ²), Drama	Final course offerings are subject to sufficient enrolment in each of the options.
Band (Double), Choir	
Band (Double), Art	
Art (Double), Drama	
Art (Double), Choir	

² “Double” refers to the amount of time devoted in comparison to other electives. A double counts as two electives.

Course Descriptions for Selected Courses

8 Applied Arts (TBD for 2021-22)

This course is offered at another school site within the River East Transcona School Division and gives the students continuing exposure to a variety of Industrial Arts and Home Economics experiences such as Electronics, Plastics, Metals, Foods, Fabrics, etc.

8 Art

This course will draw awareness to the beauty of God's creation and allow students to respond in creative and constructive ways through a variety of materials. In doing so they will develop their technical skill in the use of tools and materials. We will focus on simplifying the world around us using perspective techniques, mosaic, monochromatic painting and pen and ink. This course will help students to develop their appreciation for the artwork of other students as an act of thanksgiving to God for the gifts He has given us. This course should develop an awareness and appreciation of the aesthetic dimension of life.

8 Band

Students enrolled in grade 8 band form the Level 2 performance ensemble of Calvin Christian School and take part in festivals and school concerts. Students are expected to represent Calvin Christian to a wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regiment. Students should also be prepared to attend extra practices as required for any special events. New students to Calvin must be currently playing a concert band instrument in order to join the band program.

8 Bible

This course will take the students on a quick walk through the New Testament gospels, the book of Acts and a few of Peter and Paul's letters. Students will read and discuss some of the Bible stories that focus on the person and claims of Jesus as the Messiah, the birth and growth of the early church, and some of the core teachings of Jesus as they relate to our everyday life. Learning Activities: In order to ensure that all students start with a similar working knowledge of the basic New Testament stories, we will watch a few, well-acted portions of the T.V. mini-series called Jesus of Nazareth. Other than doing the 'regular' learning activities that involve textbook assignments, journaling, verse memorization, posters, quizzes, etc., students will be expected to participate in one all-grade service project (which the whole grade level will brainstorm on, choose, plan, and carry out).

8 Choir

Students enrolled in grade 8 choir form the junior performance choir of Calvin Christian Collegiate and work toward a greater musical understanding and preparation for the senior performance choir. Students participate in various community performances, and school concerts. Students are expected to represent Calvin Christian to a wider community during their performances. As a result students must meet a minimum level of skill making attendance and practice a key part of this course. Students should also be prepared to attend extra practices as required for special events.

8 Drama

Students will learn various forms of drama and its elements experientially and collaboratively. Students in grade 8 will continue to grow in their knowledge and skill by brainstorming, developing, creating and performing drama for a variety of audiences. Students will also learn how drama reflects and influences culture and identity. Additionally, students will be exposed to, reflect on and analyze various forms of dramatic work.

8 French

This is a basic French program emphasizing reading, writing, listening and oral skills. Vocabulary, grammar and communication skills learned in previous years are strengthened and extended in this class. This course is designed for those who have had some basic French language instruction in the past however students with no French experience will need extra help to be successful. A French/English dictionary (such as Collins-Robert French-English dictionary) is recommended. Students practice vocabulary on computers/devices at home and at school using a website/app called Quizlet.

8 ICT (Information and Communication Technology)

The goal of this class is to prepare students to become godly citizens of the global community. Using a topic-based blog, students will be involved in activities that require choosing and using ICT in a responsible and Christ-centered way, to help in the development of critical and creative thinking about information and communication. As a major component of the class students are required to choose a topic for their blog that they will update regularly throughout the course. Students are required to research information for their blog posts including online research, surveying others for their opinions. Throughout this course we will expand on skills learned in ICT 7 and we will explore creating podcasts and how-to-videos to present information related to their topic. They will also be required to respond to the information they gather and to posts written by other students in a critical yet responsible manner.

8 Language Arts

Communication through listening, speaking, reading, writing and viewing, are they keys of English Language Arts. Students will develop their understanding of human communication. We will take in many genres and styles of communication as well as work on understanding the world through different perspectives. Students will understand the varying perspectives in novel studies, journalism, online media, and music and poetry. They will write journals, creative stories, argumentative essays, and lyrical poetry as well. They will expand their spoken presentation skills, as well as participate in class debates. They will view and listen to an assortment of media and extend their critical thinking skills to analyze varying messages.

8 Mathematics

This course focuses on the following topics of mathematics, with an emphasis on applying skills to word problems:

- Rate, Ratio, and Proportional Reasoning
- Pythagorean Relationship
- Understanding Percent
- Surface Area
- Fraction Operations
- Volume
- Integers
- Linear Relations
- Linear Equations
- Probability

8 Physical & Health Education

The course focuses on movement, fitness management, safety, personal & social management and healthy lifestyle practices. Each component enhances the importance of respecting and caring for God's creation whether it be our bodies, our teachers and peers or sports equipment.

8 Science

This is a general science course required by all students. It emphasizes topics in the physical and life sciences including topics in fluids, cells and body systems, light and optics, and water systems. Students build on previous knowledge and are encouraged in inquiry.

8 Social Studies

This course guides the students through many types of visual, audio and hands on learning strategies in order to help them develop a basic working knowledge of some of the great civilizations of the past and how they have helped shape the world we live in today. Discussions start with learning how information about the past is acquired and then move quickly through recorded time up until the Modern Age.

Senior Years Program of Studies

Core courses such as Biblical & Christian Worldview Studies, English and Mathematics and Physical Education are mandatory at every level. A range of additional compulsory and optional courses fit the student with a well-rounded education.

Graduation Requirements: Senior Years Academic Program

Students must successfully complete:

- a. *High School Graduation Credit Requirements as outlined by the Manitoba Minister of Education plus 4 credits in Biblical and Christian Worldview Studies and a Grade 11 Science course.*
- b. *At least 5 credits at the Grade 12 level (including Bible)*

Recommendations and Procedures for Course Selections

Time for Course Selection

Students will be asked to make their course selections, online, in the spring of each year for the following year. Parents are strongly urged to assist their son/daughter in making suitable course choices. Parental approval of the course selections is required. Students are asked to print off a copy of their selections made online. The copy is to be signed by a parent or guardian and returned to the collegiate campus office in the spring. The academic advisor is available to help students and parents in making course selections. Some courses require auditions and/or have prerequisites. These details are outlined in the detailed course descriptions.

Changing Course Selections

Students are asked to choose their courses carefully and are *strongly* urged to continue in a course of study once they have started. **Programs are constructed, equipment is purchased and teachers are hired based on student registration. It is very important, therefore, that students make choices carefully and follow through with those choices.** Students, with the approval of the academic advisor, a parent and the teachers involved, may make course changes during the first cycle of the semester keeping in mind the section below.

Course Transfers and Withdrawals

Transfers in semester courses should occur in the first cycle. Transfers in non-semester courses should occur within the first two cycles.

High school students may, if necessary, withdraw from semester courses until one week after the first reporting period in the semester without having the grade in the course registered with the Department of Education. They are encouraged to enrol in a distance education course to make up for, or partially make up for, the lost credit. Calvin Christian School will cover the cost of one (1.0) credit of distance education material and enrolment for each high school year.

Course Availability

In some cases low demand for a course might cause its cancellation. Scheduling constraints might make some course combinations unavailable.

Biblical & Christian Worldview Studies

Biblical & Christian Worldview Studies courses are core courses at Calvin Christian School. A passing grade in this course is required for students to be promoted to the next grade level.

Mathematics

In high school there are three mathematics streams: Essential Mathematics (formerly Consumer), Applied Mathematics and PreCalculus Mathematics. Beginning in the Grade 10 year, the options are: Introduction to Pre-Calculus Mathematics and Essential Mathematics. See the course descriptions for each grade for more information. Choose your Math courses wisely since some college and university programs require Pre-Calculus or Applied Math as a prerequisite.

If Grade10 students do not achieve a 70% grade or better in Introduction to Pre-Calculus and Applied then Essential Math is a recommended option in the subsequent year. Those students may enter Pre-Calculus or Applied Math only with teacher approval and a signed working arrangement document.

Mathematics Course Selection Guidelines

Students who receive a mark of less than 70% in a mathematics course should strongly consider Essential Mathematics for a subsequent year. Applied Mathematics or Pre-Calculus Mathematics might be too difficult for these students. Students should seek the advice of the Academic Advisor and if in doubt about which mathematics option to take.

CCC Math/Science Prerequisite Charts

Grade	Math Course	Prerequisite(s)
10	Essential Mathematics 20S	Gr.9 Mathematics credit (or special permission)
10	Intro to PreCalculus & Applied Math 20S	65% in Gr.9 Math (or special permission)
11	Essential Mathematics 30S	Any Gr.10 Mathematics course
12	Essential Mathematics 40S	Any Gr.11 Mathematics course
11	Applied Mathematics 30S	Introduction to Pre-Calculus & Applied 20S
12	Applied Mathematics 40S	Gr.11 Applied Math OR Pre-Calculus Math
11	Pre-Calculus Mathematics 30S	Introduction to Pre-Calculus & Applied 20S ³
12	Pre-Calculus Mathematics 40S	70% in Pre-Calculus Mathematics 30S

Grade	Science Course	Prerequisite(s)
11	Chemistry 30S	65% in Gr.10 Science & 65% in Introduction to Pre-Calculus & Applied Mathematics 20S ³
11	Physics 30S	
12	Chemistry 40S	70% in Gr.11 Chemistry
12	Physics 40S	70% in Gr.11 Physics

³

Prerequisite: 70% in Introduction to Pre-Calculus & Applied Math 20S or special permission.

Grade 9 Program of Studies

Grade 9 Course Descriptions

Applying Information and Communication Tech 1 15F (TBD for 2021-22)

This half credit course is offered at another school site within the River East Transcona School Division and gives the students continuing exposure to a variety of Industrial Arts and Home Economics experiences such as Electronics, Plastics, Metals, Foods, Fabrics, etc. [$\frac{1}{2}$ credit: 0214]

Biblical & Christian Worldview Studies 11G: History of the Promised Land

The purpose of this course is to (1) explore the historical background and content of the book we believe holds the most important words ever written and (2) discuss and apply this to our lives and the modern world. This course is a history course. One way of learning to read the Bible is to read it in light of its rich and eventful timeline, with supplementary information about the cultures and practices at the time the events happened. To best understand the Bible's words, written many, many years ago, we must explore the cultural, archaeological and historical details of the people for whom they were first written. After learning about the history we can apply that knowledge to help us interpret the text for today's world. [1 credit: 7850]

Canada in the Contemporary World 10F (Social Studies)

This course is designed to help students gain a greater understanding of what it means to be a responsible Christian citizen within our contemporary Canadian society. Foundational information will be presented and explored as to how it relates to the evolution of our multicultural society, our country's physical geography, government, rights and freedoms, and system of law. Special emphasis will be placed on integrating relevant current events that arise in order to help students see the value of becoming an involved, compassionate and knowledgeable global citizen. [1 credit: 0101]

Digital Pictures 25S

This course is available primarily to grade 9 and 10 students. The purpose of this course is to provide students with the skills and knowledge to convey a message through an original digital image. Students will capture still images with a digital camera and manipulate them using photo editing software in order to adapt the image for various presentation environments including digital, web and print. Students will also develop critical skills to encourage each other in improving the technical and aesthetic quality of their pictures. [$\frac{1}{2}$ credit: 0226]

Drama 15S: 1A Improvisation & Performance

Students will explore the use of their bodies as a dramatic instrument, particularly through the study of movement in drama. The fundamentals of improvisation will be studied through games and activities. The course also delves into the principles and techniques of stage acting with the goal of working towards truthfulness and realism. Activities will include group and individual work, monologues and scene work from a variety of plays. [$\frac{1}{2}$ credit: 0239]

English Language Arts 10F

Reading, writing, speaking, listening, viewing and representing are developed in this course using a wide range of communication modes. Through independent reading and a novel study, students will be challenged to think deeper about what they read and make connections to their lives and the world around them. Students will be introduced to, and writing, a variety of genres, including narrative and poetry. There will be a focus on speaking and listening, with an emphasis on debate. [1 credit: 0001]

French: Communication and Culture 10F

Prerequisite: Grade 8 Basic French

This is a basic French program emphasizing reading, writing, listening and oral skills. This course is designed for those who are continuing their French studies after experiencing success in Grade 8 French. Skills in reading short stories, formal writing, oral presentations and engaging in conversations will be strengthened and extended in this class. A French/English dictionary (such as Collins-Robert French-English dictionary) and a Bercherelle (L'Art de Conjurer) are recommended. [1 credit: 0403]

Life/Work Exploration 15S

Life/Work Exploration will help students acquire and apply knowledge and skills to make appropriate decisions for life, work, and the essential post-secondary education/training that is required in today's economy. Throughout the course students will be provided with opportunities to explore potential occupations, and to demonstrate employability skills, essential skills, and specific occupational skills. We will also look at components which emphasize the knowledge, skills, and behaviour necessary for individuals to make informed decisions, solve problems and maximize their potential as individuals and as contributing members of their families and their community. [$\frac{1}{2}$ credit: 0097] [1 credit: 00097]

Mathematics 10F

Mathematics 10F is the foundational course for senior high mathematics study. The hybrid yearlong (3 blocks in semester 1, 6 blocks in semester 2) 1 credit course covers the real number system, open expressions, solving equations and word problems. It introduces co-ordinate geometry, data analysis, statistics, powers/exponents and trigonometry. [1 credit: 0080]

Music 1A: Band 10S

Prerequisite: Previous experience with a band instrument

This course is designed to assist the student to develop comprehensive musicianship and aural ability through performance in a band. Students will participate in a number of performances throughout the year to expand performance skills. All band students will be expected to follow a regimen of practice to improve ability and performance. Students new to Calvin may require an audition for admission to the Grade 9 band. [1 credit: 0258]

Music 1B: Choir 15S

Students enrolled in grade 9-12 choir form the senior performance choir of Calvin Christian School and take part in various community performances, school concerts and the Brandon Jazz Festival. Besides working towards a high school credit, students are expected to represent Calvin Christian to a wider community. As a result, students must meet a minimum level of skill making attendance and practice key components of this course. Students should also be prepared to attend extra practices as required for major performances. [$\frac{1}{2}$ credit: 0259]

Music 2A: Jazz Band 15S

Students enrolled in Grade 9 Jazz Band form the senior performance jazz ensemble of Calvin Christian School and take part in festivals, church deputations, school concerts and tours. Besides working towards a High School credit, students are expected to represent Calvin Christian to a wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regiment. Students should also be prepared to attend extra practices as required for special events. [1 credit: 0260]

Outdoor Education 21G

This course is to focus on the world that God has created around us. Through outdoor experiences and classroom investigation students will learn how to plan for safety in the outdoors, assume responsibility for themselves in all outdoor activities/conditions, demonstrate principles of survival, complete with confidence a variety of outdoor pursuits and skills, show concern for the environment, and articulate an understanding of conservation and sustainable development. **There is a fee for participant activities.**

This course will also acknowledge that our God is Lord of “all things” (Colossians 1:16-17), not least of which in His creation that is all around us. Through this course students will:

- discover order in God’s creation
- learn to enjoy creation to its fullest by learning to observe all that is around us
- understand our role in being earth-keepers as we are called in Genesis
- be drawn deeper into worship as we awe in God’s design

[½ credit: 9967]

Physical & Health Education 10F

Physical fitness, sports fundamentals and teamwork are stressed through exposure to a wide variety of sports such as basketball, volleyball, badminton, track & field, soccer, football and floor hockey among other sports. The health component covers topics such as social/emotional wellbeing, physical wellbeing, nutrition, dental health, safety, community health, stress management for teens and handling social relationships. [1 credit: 0169]

Science 10F

There will be an emphasis in this course on developing basic processes in science such as measuring, inferring, classifying, predicting, organizing data, and problem solving. Topics include reproduction and heredity, introduction to static and current electricity, introduction to elements and Periodic Table and some basic astronomy concepts. [1 credit: 0120]

Visual Arts 1A: 10S

This course is open to all students with or without a previous background in art. This course is designed as an introduction for those students who wish to develop their artistic skills. Students will study the basic elements of art, portraiture, printmaking, painting and various other art projects. Home drawing will be required. [1 credit: 0274]

Grade 10 Program of Studies

Grade 10 Course Descriptions

Biblical & Christian Worldview Studies 21G: Ethics

This Ethics Course focuses on why we do what we do on this earth. What shapes you into the person you are? What drives the conscious and subconscious decisions you make every day, whether it is what toothpaste to buy or who to date? God's Word, the Bible offers some answers to the most basic questions of life and thinking them through will help you decide what your foundation will be. Through the study of the Ten Commandments and how they relate to modern events, life decisions, experiences and common topics of confusion and complexity, we will interpret the Bible for daily living. [1 credit: 7850]

Desktop Publishing 35S

Students will be introduced to professional digital publishing tools like InDesign and Photoshop. This course will emphasize both the technical skills and the design and layout skills needed to produce quality pre-press printed media. [½ credit: 0223]

Digital Filmmaking 25S

Students are introduced to high-end digital video editing tools - some of the same ones used by major motion picture studios. They will storyboard, shoot, edit and produce video projects for school and for others. In addition, they will learn to use sophisticated multimedia tools and will acquire marketable skills for a working world increasingly calling for employees with technological skills. [½ credit: 0230]

Digital Pictures 25S

This course is available primarily to grade 9 and 10 students. The purpose of this course is to provide students with the skills and knowledge to convey a message through an original digital image. Students will capture still images with a digital camera and manipulate them using photo editing software in order to adapt the image for various presentation environments including digital, web and print. Students will also develop critical skills to encourage each other in improving the technical and aesthetic quality of their pictures. [½ credit: 0226]

Drama 25S: 2A Stagecraft and Design

Drama 25S explores various roles involved in the production of a play, such as make-up artists, designers, playwrights, costume designers, and directors.[½ credit: 0242]

English Language Arts 20F

Reading, writing, speaking, listening, viewing and representing are developed in this course using a wide range of communication modes. Through independent reading and novel studies students will be challenged to broaden their interests and knowledge, with a focus on studying different cultures and non-fiction work. Students will be completing a variety of writing genres, including narrative and non-fiction work. [1 credit: 0001]

Essential Mathematics 20S

This course is intended for students whose post-secondary plans do not include a focus on mathematics and science-related fields. This course emphasizes consumer applications, problem solving, decision-making and spatial sense. Students are expected to work both individually and in small groups on mathematical concepts and skills encountered in everyday life in a technological society. Primary units include Analysis of games and numbers, Personal Finance, Measurement, 2-D Geometry, Trigonometry, Consumer Decisions, Transformations and Angle Construction. Students with a mark lower than 65% in Grade 9 Math are encouraged to take Essential Math in Grade 10. [1 credit: 3000]

French: Communication and Culture 20F

Prerequisite: French 10F

In French class students are taught to appreciate both the similarities and differences that occur between cultures within our country and around the world. Using the Communication et Culture curriculum, French is taught through listening, reading, writing and speaking in whole class as well as small group activities. We are able to enrich classes with discussions of a Christian worldview, with Bible references and with themes that occur during the year. [1 credit: 0403]

Geographic Issues of the 21st Century 20F

Students will explore the nature of geography and develop relevant skills to help increase their ability to think globally and geographically. Students will be challenged to learn about and investigate a variety of evolving geographic issues including how food is produced and distributed, natural resource ownership and development, industry and trade (as it relates to what is happening in our urban and rural spaces) and, arising environmental-impact concerns. [1 credit: 1180]

Introduction to Applied & Pre-Calculus Mathematics 20S

Prerequisite: 65% or higher in Grade 9 Math 10F

Grade 10 Introduction to Applied & Pre-Calculus Mathematics 20S is intended for students considering post-secondary studies that require a math prerequisite. This pathway provides students with the mathematical understanding and critical-thinking skills that have been identified for specific post-secondary programs of study. The topics studied form the foundation for topics to be studied in both Grade 11 Applied Mathematics and Grade 11 Pre-Calculus Mathematics.

Components of the curriculum are both context driven and algebraic in nature. Students will engage in experiments or activities that include the use of technology, problem solving, mental mathematics, and theoretical mathematics to promote the development of mathematical skills. These experiences will provide opportunities for students to make connections between symbolic mathematical ideas and the world around us. [1 credit: 3905]

Journalism 21G

This course is designed to assist students in developing interest in journalistic writing. Students will be given the opportunity to grow as writers, editors, and thinkers as they study and practice newsgathering fundamentals, media issues, and some of the basic principles involved in reporting for newspapers and news websites. Students will produce significant pieces on various topics of interest for an audience. [1 credit: SIC]

Music 1A: Band 20S

Students enrolled in Band 20S form the senior performance ensemble of Calvin Christian School and take part in festivals, church deputations, school concerts and tours. Besides working towards a high

school credit, students in the band are expected to represent Calvin Christian to the wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regimen. Students should also be prepared to attend extra practices as required for special events. Students new to Calvin may require an audition for admission to the Grade 10 band. [1 credit: 0258]

Music 1B: Choir 25S

Students enrolled in grade 9-12 choir form the senior performance choir of Calvin Christian School and take part in various community performances, school concerts and the Brandon Jazz Festival. Besides working towards a high school credit, students are expected to represent Calvin Christian to a wider community. As a result, students must meet a minimum level of skill making attendance and practice key components of this course. Students should also be prepared to attend extra practices as required for major performances. [½ credit: 0259]

Music 2A: Jazz Band 20S

Students enrolled in grade 10-12 Jazz Band form the senior performance jazz ensemble of Calvin Christian School and take part in festivals, church deputations, school concerts and tours. Besides working towards a high school credit, students are expected to represent Calvin Christian to a wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regiment. Students should also be prepared to attend extra practices as required for special events. [1 credit: 0260]

Outdoor Education 21G

This course is to focus on the world that God has created around us. Through outdoor experiences and classroom investigation students will learn how to plan for safety in the outdoors, assume responsibility for themselves in all outdoor activities/conditions, demonstrate principles of survival, complete with confidence a variety of outdoor pursuits and skills, show concern for the environment, and articulate an understanding of conservation and sustainable development. **There is a fee for participant activities.**

This course will also acknowledge that our God is Lord of “all things” (Colossians 1:16-17), not least of which in His creation that is all around us. Through this course students will:

- discover order in God’s creation
- learn to enjoy creation to its fullest by learning to observe all that is around us
- understand our role in being earth-keepers as we are called in Genesis
- be drawn deeper into worship as we awe in God’s design

[½ credit: 9967]

Physical & Health Education 20F

Physical fitness, sports fundamentals and teamwork are stressed through exposure to a wide variety of sports such as basketball, volleyball, badminton, floor hockey, football, soccer, curling, bowling, golfing, hockey, tennis, racquetball, broomball, swimming, handball, ultimate Frisbee, indoor soccer and baseball. Students are given some choice in which sports they will participate in. The health component focuses on the human body as it relates to the student's own physical being. Units covered include: nutrition, responsibility to self and others, responsible sexual behaviour and mental health. [1 credit: 0169]

Science 20F

The course continues the goals of grade 9 Science. Topics are centred around change as it applies to ecosystems, chemical changes, and motion with a special emphasis on automobile safety and the changing nature of weather. Grade 9 and 10 Science are significant courses in introducing fundamental concepts that will be required in grade 11 and 12 science courses. [1 credit: 0120]

Spanish 15F

This beginner's course in Spanish is based on the language skills: oral comprehension, speaking, reading and writing. The conversation aspect is highly encouraged so that students may learn to communicate as well as possible, and as soon as possible. Students will be exposed to American and European Spanish, although emphasis is on the former. They will also be introduced to Hispanic art, music and culture. We believe that offering Spanish also supports our Mexico Trip experience here at Calvin. Grade 11 students will get first priority on selection of this course. [$\frac{1}{2}$ credit: 1082]

Visual Arts 1A: 20S

This course is open to all students with or without a previous art background. This course will help students who wish to develop their artistic skills for their own pleasure or to pursue post-secondary studies in fine arts. Students will study painting techniques in watercolour, composition, design, sculpture, and drawing through such media as pencil, marker, and pen and ink. Students will be expected to do homework. [1 credit: 0274]

Visual Arts 3A: Film: A Christian Perspective 25S

Film: A Christian Perspective is designed to instruct students to access, analyze, and evaluate films from a Christian perspective. As Christians, we need to learn to evaluate the secular content that we view, to see what we can learn from it, how God may be present in a film, or have solid reasons as to why a film may not be a good choice for us. Through this course students will be able to discuss their thoughts, learn from others, and develop solid reasons as to why a film may or may not be a good choice for them, as a Christian, to watch. Meaningful, reflective responses are a large component of the course, as well as active participation in group discussions. A list of films will be available at the start of the semester. [$\frac{1}{2}$ credit: 0283]

Grade 11 Program of Studies

Grade 11 Course Descriptions

Applied Mathematics 30S

Prerequisite: Introduction to Applied & Pre-Calculus Mathematics 20S (not Essential Math 20S)

Applied Mathematics 30S is one of two curricula available for students planning to pursue post-secondary studies in technology. Applied Mathematics is primarily data driven. Students collect data in experiments and activities and develop mathematics concepts from analyses of the data. Technology is an integral part of Applied Mathematics. Students will use a graphing calculator, mathematical exploration, modelling, and problem solving. Topics include: personal finance, technical communication, finance, geometry, calculus concepts, graphing, linear equations, measurement, and functions. Students may also use a graphing calculator app if they own a tablet device. [1 credit: 3903]

Biblical & Christian Worldview Studies 31G

A Christian worldview will be used to examine other common worldviews and religions represented in Manitoba. Special emphasis is given to Bible reading and study, to inquiry, to open dialogue, and to how other religions fit under the Lordship of Christ. [1 credit: 7850]

Biology 30S

Biology 30S is the course that the science department recommends to students who are not going on to study sciences, but require a science credit to fulfil the requirements for a Calvin Christian School diploma. The course focuses on human anatomy and physiology, with an emphasis on how structure and biochemistry are involved in the normal functioning of the human body. The body systems studied will include the digestive, respiratory, transport, excretory, endocrine and nervous systems. Biology 30S provides students with the knowledge and critical thinking skills necessary to understand and appreciate the normal functioning of their bodies as well as some things that can go wrong. This course stands alone and is not a prerequisite for 12 Biology. [1 credit: 0124]

Chemistry 30S

Prerequisites: Concurrent enrolment in Pre-Calculus Math or Applied Math. Must have passed Science 20F and had success in Introduction to Applied & PreCalculus Math 20S at 65% or higher.

Because Chemistry is a requirement for further study in a variety of fields, the course will emphasize topics required in 12 Chemistry as well as requirements for post-secondary education. Students will examine qualitative and quantitative relationships in chemistry. The units covered are: Characteristic Properties of Matter, Quantitative Analysis of Matter and Chemical Reactions, Solubility, Acids and Bases, and Organic Chemistry. Students will develop an awareness of the effects of science on society. [1 credit: 0122]

Desktop Publishing 35S

Students will be introduced to professional digital publishing tools like InDesign and Photoshop. This course will emphasize both the technical skills and the design and layout skills needed to produce quality pre-press printed media. [½ credit: 0223]

Digital Filmmaking 25S

Students are introduced to high-end digital video editing tools - some of the same ones used by major motion picture studios. They will storyboard, shoot, edit and produce video projects for school and for others. In addition, they will learn to use sophisticated multimedia tools and will acquire marketable skills for a working world increasingly calling for employees with technological skills. [½ credit: 0230]

English Language Arts: Comprehensive Focus 30F

Prerequisite: English 20F

This English class will hone student skills by focusing on your habits of work, reading, writing and speaking and will include the six Language Arts (as per the Manitoba Curriculum). There will be a balance of both aesthetic work as well as pragmatic work to express thought, the beautiful art of the language and the nuts and bolts that hold it together - the poetry and the process. Focus will be put on short speeches, one Shakespearean play and novel reading. [1 credit: 0092]

Essential Mathematics 30S

Prerequisite: Any Grade 10 Mathematics course

Essential Math is intended for students whose post-secondary planning does not include a focus on mathematics and/or science-related fields. Essential Mathematics is a one-credit course consisting of two half-credits each emphasizing consumer applications, problem solving, decision making, and number sense. Topics include: Analysis of Games and Numbers, Interest and Credit, 3D Geometry, Statistics, Managing Money, Relations and Patterns, Trigonometry and Design Modeling. [1 credit: 3000]

French 30S (Basic French)

Prerequisite: French 20S

French 30S focuses on understanding French culture, engaging in French literature and furthering oral presentation and conversational skills. Both oral and written skills will be stressed equally. In alternate school years there may be a class trip to Québec in conjunction with the curriculum for this class. [1 credit: 0403]

Graphic Communication Technology 40S: Yearbook Creation

Prerequisite: Desktop Publishing 35S

Students will use their desktop publishing skills to produce the Calvin Christian School yearbook. They will create the book without the use of templates and prepare it for print. [1 credit: 7958]

History of Canada 30F

Students in this course will study the social, political, and economic history of Canada. This course is taught through thematic units that will challenge students to think deeply and reflect upon their learning to see how the history of Canada affects us today and how we can move forward. A large component of this course is inquiry projects, where students will have to think critically as they question and study the topic of their choice. [1 credit: 0105]

Journalism 21G

This course is designed to assist students in developing interest in journalistic writing. Students will be given the opportunity to grow as writers, editors, and thinkers as they study and practice newsgathering

fundamentals, media issues, and some of the basic principles involved in reporting for newspapers and news websites. Students will produce significant pieces on various topics of interest for an audience. [1 credit: SIC]

Music 1A: Band 30S

Students enrolled in Band 30S form the senior performance ensemble of Calvin Christian and take part in festivals, church deputations, school concerts and tours. Besides working towards a high school credit, students in the band are expected to represent Calvin Christian to the wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regimen. Students should also be prepared to attend extra practices as required for special events. Students new to Calvin may require an audition for admission to the grade 11 band. [1 credit: 0258]

Music 1B: Choir 35S

Students enrolled in grade 9-12 choir form the senior performance choir of Calvin Christian Collegiate and take part in various community performances, school concerts and the Brandon Jazz Festival. Besides working towards a high school credit, students are expected to represent Calvin Christian to a wider community. As a result, students must meet a minimum level of skill making attendance and practice key components of this course. Students should also be prepared to attend extra practices as required for major performances. [½ credit: 0259]

Music 2A: Jazz Band 30S

Students enrolled in grade 10-12 Jazz Band form the senior performance jazz ensemble of Calvin Christian School and take part in festivals, church deputations, school concerts and tours. Besides working towards a high school credit, students are expected to represent Calvin Christian to a wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regiment. Students should also be prepared to attend extra practices as required for special events. [1 credit: 0260]

Physical & Health Education 30S: Active Healthy Lifestyles (General)

The Manitoba Department of Education has made grade 11 & 12 Physical & Health Education mandatory effective September 2008

These compulsory full-credit courses are designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students will study topics related to fitness management, mental health, substance use and abuse prevention, and the social impact of sport. (40S includes sexual health, social/emotional health, and personal development as well.) The focus of this content will be on health and personal planning. These topics will make up the core 25% IN-class component of the course content. Students will be required to develop and implement the remaining 75% of the course on their own time in a personal physical activity plan as part of the physical activity practicum. Students will be introduced to safety and risk management planning to minimize the associated risks of the activities they have chosen.

As part of earning a credit for this course, students will be required to submit a personal fitness portfolio containing elements such as a fitness plan, physical activity log, or journal entries. Students will be graded for completion of the course with a Complete or Incomplete designation.

Note: Parents/guardians will be required to review the student's physical activity plan and sign a Parent Declaration and Consent Form acknowledging their approval of the chosen activities and acceptance of the responsibility for risk management, safety, and supervision. Parents/guardians will also be required to verify the entries of the student's physical activity log through a sign-off procedure. [1 credit: 0169]

Physics 30S

Recommendation: Concurrent enrolment in Pre-Calculus Math 30S

Prerequisites: Science 20S at 70% level. 70% in Introduction to Applied & Pre-Calculus Math 20S

This course develops an understanding of the basic principles and concepts of physics. Over the semester, we will cover Kinematics (motion), Forces, Energy (including Thermal and Nuclear Power and Work in society), Waves and Sound (including vibrations and interference), Electricity and Magnetism. The focus in the course will be on science inquiry, problem solving, the nature of science and science-related skills and content. [1 credit: 0123]

Pre-Calculus Mathematics 30S

Prerequisite: 70% in Introduction to Applied & Pre-Calculus Math 20S

11 Pre-Calculus Mathematics is designed for students who intend to study Calculus as part of their post-secondary education or pursue a degree in Science, Engineering or another field that requires Calculus. Students will study high-level, theoretical mathematics with an emphasis on problem solving and mental mathematics. Topics include: quadratic functions, trigonometry and logic. A graphing calculator is not required. [1 credit: 3939]

Spanish 15F

This beginner's course in Spanish is based on the language skills: oral comprehension, speaking, reading and writing. The conversation aspect is highly encouraged so that students may learn to communicate as well as possible, and as soon as possible. Students will be exposed to American and European Spanish, although emphasis is on the former. They will also be introduced to Hispanic art, music and culture. We believe that offering Spanish also supports our Mexico Trip experience here at Calvin. Grade 11 & 12 students will get first priority on selection of this course. [$\frac{1}{2}$ credit: 1081]

Visual Arts 2A: 30S

This course is intended for students who have shown a strong ability in the visual arts. It will allow students to explore their gift, and develop their skills in a variety of media and visual techniques. Visual Arts 1A is a prerequisite or permission of the instructor is required for acceptance. [1 credit: 0276]

Visual Arts 3A: Film: A Christian Perspective 25G

Film: A Christian Perspective is designed to instruct students to access, analyze, and evaluate films from a Christian perspective. As Christians, we need to learn to evaluate the secular content that we view, to see what we can learn from it, how God may be present in a film, or have solid reasons as to why a film may not be a good choice for us. Through this course students will be able to discuss their thoughts, learn from others, and develop solid reasons as to why a film may or may not be a good choice for them, as a Christian, to watch. Meaningful, reflective responses are a large component of the course, as well as active participation in group discussions. A list of films will be available at the start of the semester. [$\frac{1}{2}$ credit: 0283]

Grade 12 Program of Studies

Grade 12 Course Descriptions

Applied Mathematics 30S

Prerequisite: Introduction to Applied & Pre-Calculus Mathematics 20S (not Essential Math 20S)

Applied Mathematics 30S is one of two curricula available for students planning to pursue post-secondary studies in technology. Applied Mathematics is primarily data driven. Students collect data in experiments and activities and develop mathematics concepts from analyses of the data. Technology is an integral part of Applied Mathematics. Students will use a graphing calculator, mathematical exploration, modelling, and problem solving. Topics include: personal finance, technical communication, finance, geometry, calculus concepts, graphing, linear equations, measurement, and functions. Students may also use a graphing calculator app if they own a tablet device. [1 credit: 3903]

Applied Mathematics 40S

Prerequisite: Applied or Pre-Calculus Mathematics 30S

Applied Mathematics 40S is one of two curricula available for students planning to pursue post-secondary studies in technology. Applied Math is primarily data driven, using numerical and geometrical problem solving techniques. Students collect data in experiments and activities and develop mathematics concepts from analyses of the data. Technology is an integral part of Applied Mathematics. Students will use the graphing calculator for mathematical exploration, modelling, and problem solving. Topics include: analysis, spreadsheets, matrix modelling, vectors, personal finance, probability, measurement, and applications of periodic functions, sequences, and data management. Students may use a graphing calculator app if they own a tablet device. This course is an approved 40S selection for university entrance.

[1 credit: 3903]

Biblical & Christian Worldview Studies 41G: Issues of Contemporary Christian Living

This course studies the foundations of the Christian worldview that takes steps to put our beliefs into practice in class, outside of school, and life beyond graduation. Special emphasis is given to developing and sharing faith through personal practices, community practices, and connects faith and vocation.

[1 credit: 7850]

Biology 40S

Prerequisite: Science 20F

Biology 40S allows students to explore content and form opinions on ethical and social issues in the areas of genetics, biodiversity and ecology. The Genetics unit will present basic principles of genetics and describe the molecular basis for genetics. One component of this unit will be to consider bioethics as it applies to genetics and reproduction. The Biodiversity unit will provide a general overview of the five kingdoms of living organisms and consider different views on the origin of life and species.

Reasons for maintaining biodiversity will be discussed. This course is an approved 40S selection for university entrance. [1 credit: 0124]

Canadian Law 40S

Students will explore the concepts of law in Canada. Students will develop their understanding of the Canadian Charter of Rights and Freedoms, the Canadian legal and criminal justice system, and types of law such as family law, civil law, and criminal law. The course includes regular group discussion of current issues and cases which will allow students to use critical thinking and communication skills to develop informed opinions on legal issues. This course will be of interest to those students pursuing a career in law enforcement or the criminal justice system. [1 credit: 0580]

Chemistry 40S

Prerequisite: Success in Applied 30S or 11 Pre-Calculus Math 30S at 70% or better. Success in Chemistry 30S at 70% or better.

This course provides students with a background of theory and laboratory experiences leading to further studies at the post-secondary level. This course includes the following topics: reaction kinetics, chemical equilibria, solutions, acids and bases, oxidation and reduction, and electrochemistry. There is a major emphasis on equilibrium processes as it relates to chemical reactions. This course is an approved 40S selection for university entrance. [1 credit: 0122]

Desktop Publishing 35S

Students will be introduced to professional digital publishing tools like InDesign and Photoshop. This course will emphasize both the technical skills and the design and layout skills needed to produce quality pre-press printed media. [½ credit: 0223]

Digital Filmmaking 25S

Students are introduced to high-end digital video editing tools - some of the same ones used by major motion picture studios. They will storyboard, shoot, edit and produce video projects for school and for others. In addition, they will learn to use sophisticated multimedia tools and will acquire marketable skills for a working world increasingly calling for employees with technological skills. The best of the student videos are featured in the Calvin Christian School Film Festival. [½ credit: 0230]

English Language Arts: Comprehensive Focus 40S

Comprehensive Focus prepares students to meet present and evolving demands on their literacy. The course is a balance between pragmatic and the aesthetic texts. Through reading, writing, speaking, listening, viewing, and representing, students will use language effectively to think, to respond to texts, to manage diverse ideas and information, to communicate and to learn. Students will learn to shape their communication for a specific audience, express themselves clearly for intended effect, and select from a wide range of stances, voices, diction, and forms appropriate for their purpose. This course is an approved 40S selection for university entrance. [1 credit: 0092]

English Language Arts: Literary Focus 40S

The Grade 12 Literary Focus course focuses primarily on the study of aesthetic texts. The course is designed to help students appreciate literature as an art form and develop a range of knowledge and abilities necessary for interpretation and creation of various genres of literature. The course emphasizes how to use aesthetic language as a means to communicate experience, encourage imagination, understand humanity and human perspectives and enhance community and culture. Genres studied in

the course may include novels, short stories, poetry, drama, film, and prose. This course is an approved 40S selection for university entrance. [1 credit: 0093]

English Language Arts: Transactional Focus 40S

In the Transactional Focus, students develop and refine a range of knowledge, skills and strategies that help them function effectively in various communities. The Transactional Focus emphasizes the pragmatic/practical uses of language: language that informs, directs, plans, persuades, analyzes, argues, and explains. Students engage with and compose texts primarily for pragmatic purposes: to gain information or discern another point of view, to compare and weigh ideas, and to conduct daily transactions. The Transactional Focus addresses a variety of informal and formal uses of language, ranging from informal conversations to formal presentations; from discussions to formal interview; from note taking, data gathering, and representation to illustrated reports.

Through a wide range of projects and learning experiences, students learn to use and interpret a variety of oral, print, and other media texts, to manage data and information efficiently and to plan and work collaboratively. This course is an approved 40S selection for university entrance. [1 credit: 0094]

Essential Mathematics 30S

Prerequisite: Any Grade 10 Mathematics course

Essential Math is intended for students whose post-secondary planning does not include a focus on mathematics and/or science-related fields. Essential Mathematics is a one-credit course consisting of two half-credits each emphasizing consumer applications, problem solving, decision making, and number sense. Topics include: Analysis of Games and Numbers, Interest and Credit, 3D Geometry, Statistics, Managing Money, Relations and Patterns, Trigonometry and Design Modeling.

[1 credit: 3000]

Essential Mathematics 40S

Prerequisite: Any Grade 11 Mathematics course

Essential Mathematics 40S is intended for students whose post-secondary planning does not include a focus on mathematics and science-related fields. Topics include: Analysis of Games and Numbers, Vehicle Finance, Statistics, Precision Measurement, Career Life, Home Finance, Geometry and Trigonometry, Business Finance and Probability. This course is an approved 40S selection for university entrance. [1 credit: 3000]

French 40S (Basic French)

Prerequisite: French 30S

French 40S focuses on extending oral and written skills acquired in French 30S, and gives students opportunities to explore the role of French in their future. Both oral and written skills will be stressed equally in this course. In alternate school years there may be a class trip to Québec in conjunction with the curriculum for this class. [1 credit: 0403]

Global Issues 40S: Citizenship & Sustainability

Throughout the Global Issues course, students will spend time discussing and debating current issues facing the world as well as conducting inquiry into the social, political, environmental and economic impact of a variety of contemporary and emerging issues in the world. Through inquiry, you will focus on questions of quality of life locally, nationally, and globally. This course is based on the principles of active democratic citizenship, ecological literacy, critical media literacy, and ethical decision-making,

and consolidates learning across the disciplines to empower you as agents of change for a sustainable and equitable future. This course is an approved 40S selection for university entrance. [1 credit: 1128]

Graphic Communication Technology 40S: Yearbook Creation

Prerequisite: Desktop Publishing 35S

Students will use their desktop publishing skills to produce the Calvin Christian School yearbook. They will create the book without the use of templates and prepare it for print. [1 credit: 7958]

History: Western Civilization 40S (not offered for 2021-22)

This course examines the social, political and economic forces that have shaped western societies from the Renaissance to the 20th Century. Students will be introduced to some of the important ideas, people and events that have shaped western civilization. The course will focus on the 19th and 20th century.

History of Western Civilization will be offered on alternate years with World Issues 40S. This course is an approved 40S selection for university entrance. [1 credit: 1136]

Music 1A: Band 40S

Students enrolled in Band 40S form the senior performance ensemble of Calvin Christian School and take part in festivals, church deputations, school concerts and tours. Besides working towards a High School credit, students in the band are expected to represent Calvin Christian to the wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regimen. Students should also be prepared to attend extra practices as required for special events. Students new to Calvin may require an audition for admission to the Grade 12 band. [1 credit: 0258]

Music 1B: Choir 45G

Students enrolled in Grade 9-12 Choir form the senior performance choir of Calvin Christian School and take part in various community performances, school concerts and the Brandon Jazz Festival. Besides working towards a High School credit, students are expected to represent Calvin Christian to a wider community. As a result, students must meet a minimum level of skill making attendance and practice key components of this course. Students should also be prepared to attend extra practices as required for major performances. [½ credit: 0259]

Music 2A: Jazz Band 40S

Students enrolled in Grade 10-12 Jazz Band form the senior performance jazz ensemble of Calvin Christian School and take part in festivals, church deputations, school concerts and tours. Besides working towards a High School credit, students are expected to represent Calvin Christian to a wider community. As a result students must meet a minimum level of skill and adhere to a strict attendance and practice regiment. Students should also be prepared to attend extra practices as required for special events. [1 credit: 0260]

Physical & Health Education 40S: Active Healthy Lifestyles (General)

The Manitoba Department of Education has made grade 11 and 12 Physical & Health Education mandatory effective September 2008.

These compulsory full-credit courses are designed to help youth take greater ownership of their own physical fitness, to encourage them to seek out activities that interest them, and to engage in active lifestyles into their futures. Students will study topics related to fitness management, mental health, substance use and abuse prevention, and the social impact of sport. (40S includes sexual health, social/emotional health, and personal development as well.) The focus of this content will be on health

and personal planning. These topics will make up the core 25% IN-class component of the course content. Students will be required to develop and implement the remaining 75% of the course on their own time in a personal physical activity plan as part of the physical activity practicum. Students will be introduced to safety and risk management planning to minimize the associated risks of the activities they have chosen.

As part of earning a credit for this course, students will be required to submit a personal fitness portfolio containing elements such as a fitness plan, physical activity log, or journal entries. Students will be graded for completion of the course with a Complete or Incomplete designation.

Note: Parents/guardians will be required to review the student's physical activity plan and sign a Parent Declaration and Consent Form acknowledging their approval of the chosen activities and acceptance of the responsibility for risk management, safety, and supervision. Parents/guardians will also be required to verify the entries of the student's physical activity log through a sign-off procedure. [1 credit: 0169]

Physics 30S

Recommendation: Concurrent enrolment in Pre-Calculus Math 30S

Prerequisites: Science 20S at 70% level. 70% in Introduction to Applied & Pre-Calculus Math 20S

This course develops an understanding of the basic principles and concepts of physics. Over the semester, we will cover Kinematics (motion), Forces, Energy (including Thermal and Nuclear Power and Work in society), Waves and Sound (including vibrations and interference), Electricity and Magnetism. The focus in the course will be on science inquiry, problem solving, the nature of science and science-related skills and content. [1 credit: 0123]

Physics 40S

Co-requisite: Pre-Calculus Math 40S

Prerequisite: 70% grade in Physics 30S and a 70% grade in Pre-Calculus Math 30S

This course further develops a student's understanding of the basic principles and concepts of physics. The course is a continuation of Physics 30S and will further develop the topics introduced there. Students will use a variety of experimental approaches to describe relationships between variables.

The course will include further topics in Dynamics and Uniform Circular Motion, Work and Energy, Fields (gravitational, magnetic and electric), and the Wave Nature of Light. This course is an approved 40S selection for university entrance. [1 credit: 0123]

Pre-Calculus Mathematics 40S

Prerequisite: 70% in Pre-Calculus Mathematics 30S

Pre-Calculus Mathematics 40S is designed for students who intend to study Calculus and related Mathematics as part of their post-secondary education, or pursue a degree in science. The course is a

high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. The use of a graphing calculator is recommended. Topics include: polynomial, radical and logarithmic functions, transformations, trigonometric identities, permutations and combinations, binomial theorem. A graphing calculator is not required. [1 credit: 3939]

Psychology 40S

This course exposes students to the major topics found in the field of psychology. It also emphasizes the issues that are of particular direct interest and relevance to students completing high school. Students

explore the scientific methods upon which psychology is based. They can then apply what they learned to their daily lives. [1 credit: 1010]

Visual Arts 2A: 40S

Instructor approval required for acceptance

This course is intended for students who have demonstrated advanced skills in visual arts. The emphasis of this program will be on problem solving and students will develop a personal expression. Various media will be explored including a variety of watercolour paints, mixed media, pen and ink and airbrushing. Permission of the instructor is required for acceptance. This course is an approved 40S selection for university entrance. [1 credit: 0276]

Other Credit Opportunities

Apprenticeship Opportunities

Given the need for qualified tradespeople in Manitoba today and the importance of on-the-job experience for the trades, we are now offering more apprentice options. Students are able to work at eligible locations under qualified personnel in order to gain experience in a particular field. The hours will be accumulated during the evenings, weekends and during the summer holidays (and during the semester where possible). These working hours will be paid hours. For every 110 hours of work, students are able to receive 1 credit towards graduation. A total of 8 credits can be accumulated under this option. These credits may count towards their Level 1 journeyman requirements. Students may sample various trades over their high school time in order to make an informed decision regarding a future trade and, possibly, subsequent registration at Red River College or some other post secondary institution.

There is significant involvement expected from the home in order to make this program work for any particular student and will very much be a home/school effort. Only students who are 16 years of age or older and who have completed all of their grade 9 credits are eligible for this program. [1 credit +]

Credit for Employment 30G or 40G

Manitoba Education and Training has recently developed a credit option that allows students to acquire up to 2.0 credits towards graduation for their employment. Below is the Department's rationale for offering this course:

CFE offers students, who are a minimum of 16 years of age and/or in Grade 11 or Grade 12, the opportunity to earn a high school credit in Credit for Employment. The CFE allows students to implement career development principles such as essential employability skills into the authentic context of work. Through employment, students will have an opportunity to apply and refine the knowledge and skills acquired in the Career Development Life/Work courses. Furthermore, the CFE will provide students with valuable workplace experience that will contribute to their career-life planning.

Basically what this means is that if a Grade 11/12 student has taken the Career Development Life/Work course at Calvin Christian School, and once they get a part time job, their paid working hours can be accumulated to gain credits. The student, parent and employer will need to fill out paperwork before, during and after the work experience in order to achieve credits. Each credit is awarded upon the completion of 110 hours (and the paperwork!). This is a great option for students who plan to work during the high school years. The credit(s) can also be attained during the summer break. [1 credit: 0304]

Independent Study:

Manitoba Independent Study Option (ISO) using InForm Net

Students interested in studying a course not offered at Calvin may consider an InForm Net online course. The student may select courses from the list with the approval of the parents and the school.

Students will work on these courses under the supervision of a teacher within the school.

More information on available courses can be found at the Manitoba Education website: InForm Net at www.informnet.mb.ca for online courses

Dual Credit Courses

Students in Grade 11 and Grade 12 may enrol in community college or university courses and simultaneously receive credit at the secondary (high school) and post-secondary level. This can provide an opportunity for students to get a head start on post-secondary studies while still receiving secondary credit. See the academic advisor or an administrator for more information about these options.

Military and Other Credits

Calvin Christian School strives to offer the best program available for each student enrolled. For some students traditional classroom delivery of credits may not be the best option. Manitoba Education acknowledges this and gives some latitude to students for accumulating credits in different ways. We have experience with students earning credits in military training and through workplace apprenticeships. Parents and students will need to do some groundwork and we can usually work together to make these kinds of options work for students. Please talk to us about viable options. [9982]

Special Language Credit

Students who speak a second language other than French, German or English might be able to earn a Special Language Credit. The Special Language Credit is earned by passing a test set by an outside agency. Almost every language is eligible including American Sign Language. Students interested in this credit should contact **their academic advisor** early in the school year so tests can be arranged. Costs for the examination are borne by the parent. The present rate is approximately \$65.00.

Note: While these programs can be used to earn credits for graduation, they cannot be used to reduce the minimum course load in any one high school year.

Student Initiated Projects

A Student Initiated Project (SIP) is a project initiated by a student and approved by the school for credit in areas of special interest not provided in the Senior Years. Credit for an SIP will be given for an activity or process and consequent personal growth, not for competency already possessed. Such projects must be initiated and written by the student with the assistance or guidance of the professional staff of the school. Student progress must be evaluated and credit granted for learning or growth experienced during the project. Student-initiated projects are not to be equated either with regular extracurricular school activities or the regular activities of organized community groups.

Eligibility:

- All registered high school students are eligible to initiate projects.
- A parent/guardian and the principal must approve each SIP.
- Of the 31 required credits for high school graduation, a maximum of 3 may be SIPs.
- A student may attempt a maximum of one SIP at any given time.
- In order to receive preliminary approval for an SIP, a student must first submit to the principal a completed proposal containing pertinent information. The guidelines for the proposal are available from the principal. After the principal has approved the SIP, an SIP registration form must be submitted to Manitoba Education.