



HIGH SCHOOL PLANNING GUIDE

2024-2025

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Program Information

The high school program at FFCA meets the graduation requirements as outlined by the Province of Alberta. A senior high school diploma does not guarantee admission to ANY post-secondary institution. The requirements for a high school diploma are not always the same as the admission requirements to post-secondary institutions.

FFCA encourages completion of all courses to be in person. Preference for student completion of -1 levels of courses may include recommendations for full-year ELA and/or full-year Mathematics to support student skill development for the attainment of -1 course completion. Taking an online or summer school may impact the development of skills and achievement and the meeting of criteria for FFCA scholarships.

Core Academic Program & Graduation Requirements

Alberta High School Diploma	FFCA High School Program
100 credits	FFCA students graduate with more than 100 credits
English 30-1 or 30-2	English 30-1 or 30-2
Social Studies 30-1 or 30-2	Social Studies 30-1 or 30-2
20-level Mathematics	Mathematics 30-1 or 30-2
20-level Science	Biology, Chemistry, Physics or Science 30
Physical Education 10 (3 credits)	Physical Education 30 (3 credits)
Career & Life Management (CALM 20) (3 credits)	Career & Life Management (CALM 20) (3 credits)
Locally Developed Courses, Career & Technology Studies (CTS) or Electives or Physical Education 20/30	Locally Developed Courses, Career and Technology Studies (CTS), Electives, Leadership with Character 15, 25, 35 & Physical Education 20 & 30
30-level courses, in addition to English and Social Studies (10 credits)	

Full-time FFCA Student

The full-time high school student will have a specific course load:

All grade 9 and 10 students must be enrolled in a full course load at FFCA. Spares are not permitted for grade 9 or 10 students.

All grade 11 students must be enrolled in a minimum of seven blocks of in-person classes at FFCA during the four-block school day. Students are permitted **one** spare in the year.

All grade 12 students must be enrolled in a minimum of seven blocks of in-person classes at FFCA during the four-block school day. Students are permitted **one** spare in the year; however, a second spare (one per semester) will be considered by administration, upon request, in the following circumstances:

- a. Enrollment in Block 5 credited courses
- b. Student is assured of having all required credits by semester 2 of their grade 12 year
- c. Any other special circumstances as approved by administration.

Post-Secondary Preparation

FFCA offers an academic program designed to provide all students the opportunity to meet many post-secondary entrance requirements. Students and parents should reference **myBlueprint** and discuss questions with the guidance counselor.

FFCA Course Planning Work Sheet

FFCA High School is your school of choice and your best opportunity for learning is through in-person learning with FFCA teachers. FFCA High School encourages completion of -1 courses for students to provide as many post-secondary opportunities as possible, Preference for student completion of -1 levels of courses may include recommendations for full-year ELA and/or full-year Mathematics to support student skill development for the attainment of -1 course completion.

Many of the 30 level electives offered at FFCA High School can be used in post-secondary applications, but it is essential to plan for these electives as most have prerequisites so choosing electives in grades 10 and 11 will allow for completion of the course stream to the 30 level. You are encouraged to discuss this with your Academic Guidance Counsellor prior to making course selections in order to ensure that you have made the best program choices for your future plans.

Grade 10		Grade 11		Grade 12	
Course	Credits	Course	Credits	Course	Credits
English 10-1 10-2	5	English 20-1 20-2	5	English 30-1 30-2	5
Social Studies 10-1 10-2	5	Social Studies 20-1 20-2	5	Social Studies 30-1 30-2	5
Math 10C 10-3	5	Math 20-1 20-2 20-3	5	Math 30-1 30-2 Math 31	5
Science 10	5	Sciences (at least <u>one</u> 20 level) Biology 20 Chemistry 20 Physics 20 Science 20	5x2=10	Sciences (at least <u>one</u> 30 level) Biology 30 Chemistry 30 Physics 30 Science 30	5
Physical Education 10	5	Physical Education 20	3	Physical Education 30	3/5
Leadership with Character 15 and Career and Life Management (CALM) 20	6	Leadership with Character 25	3	Leadership with Character 35	3
Electives in four block day (can vary but currently include) Advanced Acting 15 (SHS) Art 10 Design Studies 15 Drama 10 Marketing and Management New Media 15 Outdoor Education 15 Personal and General Psychology 20 Robotics 10 Sociology 20/30 (NHS)** Sports Performance (SHS)	5 5 5 5 5 5 5 or 7 6 5 6 5 6	Electives in four block day (can vary but currently include) Advanced Acting 25 (SHS)* Art 20* Design Studies 25* Drama 20* Entrepreneurship and Innovation Marketing and Management New Media 25* Outdoor Education 20* Personal Finance and Investing Personal and General Psychology 20 Robotics 20* Sociology 20/30 (NHS) Sports Performance (SHS) World Religions 20/30 (NHS)	5 5 5 5 5 5 5 or 7 5 6 5 6 5 6	Electives in four block day (can vary but currently include) Advanced Acting 35 (SHS)* Art 30* Design Studies 35* Drama 30* Entrepreneurship and Innovation Marketing and Management New Media 35* Outdoor Education 20* Personal Finance and Investing Personal and General Psychology 20 Robotics 30* Sociology 20/30 (NHS) Sports Performance (SHS) World Religions 20/30 (NHS)	5 5 5 5 5 5 5 or 7 5 6 5 6 5 6
The Following Electives are Offered in Block 5-After School Advanced Acting 15 (NHS) Choral Music 10 Musical Theatre 15 Technical Theatre 15	5 5 5 5	The Following Electives are Offered in Block 5-After School Advanced Acting 25 (NHS)* Choral Music 20* Musical Theatre 25* Technical Theatre 25*	5 5 5 5	The Following Electives are Offered in Block 5-After School Advanced Acting 35 (NHS)* Choral Music 30* Musical Theatre 35* Technical Theatre 35*	5 5 5 5
Total Credits	40+	Total Credits	35+	Total Credits	35+

*Indicates an elective course with prerequisites which must be completed before taking that course

**Permission from teacher required to take this course in an earlier grade level

Some electives are only offered at the North High School (NHS) or the South High School (SHS)

Leadership with Character Program

In addition to the rigorous academic program designed to prepare students for university, FFCA also prepares students for life through its leadership program. Our “Leadership with Character” program focuses on developing effective independent and interdependent people with a strong sense of character and purpose.

This program seeks to extend students’ sense of community and the positive influence they can have on it. It helps students learn about themselves, their capabilities and growth. They are encouraged to grow in areas of personal effectiveness such as value clarification, habit forming, goal setting, accelerated learning, creative thinking, decision making, time management and life balance. They are also exposed to growth opportunities in areas of team effectiveness such as communication, presentation, assertiveness, negotiation and mediation. They work to develop leadership skills including visioning, planning, delegation and project management.

The provision of leadership and character development to all students creates a learning community in which students assume a higher level of respect and responsibility for both self and others. It will enable FFCA students to become more aware of their own abilities, influences and unique talents, enhance their self-confidence and broaden their social perspective. Students will be provided opportunities to develop their leadership capacity and demonstrate commitment to modeling exemplary character, creating a sense of empowerment and promoting a school community that is characterized by quality relationships and organizational pride.

Visual & Performing Arts Certificate

This certificate recognizes graduating students who have demonstrated outstanding commitment and performance in the visual and performing arts while at FFCA High School. Students are required to:

- a. Complete a minimum of 30 credits with an average of 75% or above from the following courses:
Advanced Acting 15-25-35, Art 10-20-30, Choral Music 10-20-30, Design Studies 15-25-35,
Drama 10-20-30, Musical Theatre 10-20-30, Special Project in a related area approved by
Administration, TA (Teacher Assistant) in Workplace Safety Course for Drama or Art or
Technical Theatre 10-20-30
- b. Students must complete at least one of the above courses at the 30-level
- c. Complete a minimum of 12 hours of supervised volunteering in any visual and performing arts-related area
- d. Present a portfolio or performance which displays satisfactory skill in at least one of the core visual and performing arts areas. More information is available through the teachers teaching any of these courses.

Governor General's Academic Medal

To be eligible for the Governor General's Academic Medal

- a. A BRONZE medal is awarded to the student who achieves the highest average upon graduation from a secondary school
- b. The average includes all grade 11 and grade 12 courses as listed on the student's official Transcript of Grades issued by the ministry of education

For full details on the Governor General's Academic Medal, please open this. [LINK](#)

Program Sequences & Prerequisites

In Alberta, grades 10–12 courses are assigned credits based on the number of instructional hours. One credit is awarded per 25 hours of instruction. Courses are usually 3 or 5 credits in value, with most being 5. CTS modules are all 1 credit each. As part of FFCA’s distinctive program, all students will complete all levels of Physical Education and Leadership with Character.

Courses numbered in the teens are grade ten level courses, courses numbered in the 20s are grade eleven level courses and courses numbered in the 30s are grade twelve level courses. Typically, all courses must be taken in sequence, but students can take courses in an accelerated fashion with school administration approval (e.g. 30-level courses in grade eleven). Student performance has shown that students writing diploma exams may do significantly better in grade 12 than in grade 11.

Alberta Education requires a student mark of 50% or higher in a course to earn credits in the course. In some cases, FFCA recommends a higher mark to take the next course in the sequence. We believe that student success in any course may be predicted based upon their level of achievement on the prerequisite course. Please consider this when selecting courses.

FFCA offers a combination of full-year (Grade 9 core courses) and semester (half-year) elective courses. We attempt to provide a full academic program that provides the greatest opportunity to be successful in a given course and avoids long gaps between sequential courses whenever possible. Students in grades 11 and 12 may be eligible for a spare in their schedules.

Course Changes

There are a number of considerations that are taken into account when choosing courses and making course changes. These include:

- a. Post-secondary education and career goals
- b. Academic ability and personal habits
- c. Course prerequisites and teacher recommendations
- d. Class size, availability, and student interest

The course change process includes conversations between the student, parents, and staff.

- a. Course changes can be strongly encouraged by the administration in cases where it is clear that the student should be in a different course of study.
- b. All course changes should meet course change deadlines.

SEMESTER 1 & 2 COURSE CHANGE DEADLINE WILL BE POSTED: The course change document is completed online and found on the campus website and Edsby.

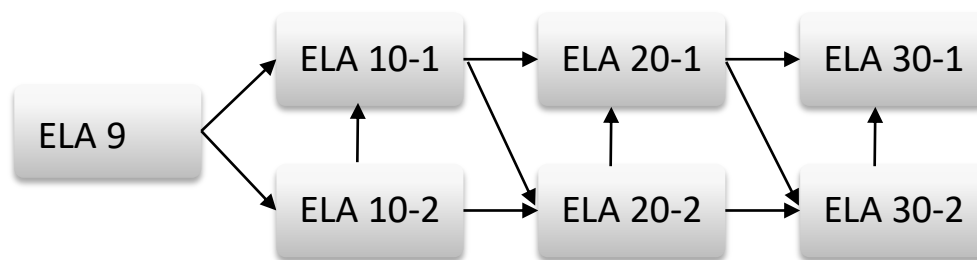
Student-initiated course changes for both semesters must be requested in the first semester as there is more flexibility at the beginning of the year. Very few changes will be made for the second semester, and it may be too late by the second semester to accommodate a change.

Retaking a Course in the Second Semester

Consult with the Academic Guidance Counselor to see if this is an option or other ways to retake the course. Retaking a course at school will require the principal's approval.

Course Descriptions of Required (Core) Programs

ENGLISH LANGUAGE ARTS



English Language Arts 9

In this course, students will explore thoughts, feelings, and experiences. Students will also comprehend and respond personally, critically, and creatively to literature and other texts in oral, print, visual, and other multimedia forms; create oral, print, visual, and other multimedia texts, and enhance the clarity and artistry of communication. Students will learn to work collaboratively, and respect and support one another.

English Language Arts 10-1

This English Language Arts course is the first in the academic Sr. High School Program that is intended for students who have demonstrated strengths in their use of language and in their understanding of print and non-print texts. These courses provide in-depth study of texts in terms of increased emphasis on textual analysis. They require both the study and writing of essays. This program emphasizes the creation of personal responses to texts and requires critical analytical responses to literary texts and contexts.

Recommended Academic Achievement: 65% or better in English Language Arts 9

English Language Arts 10-2

This English Language Arts course is for those students who demonstrate increasing capacity in their use of language and in their understanding of print and non-print texts. Students will create visual reflections, persuasive writing pieces, and literary exploration essays. At FFCA, this course may be used as a bridge to help students' knowledge and skills improve to give them a better opportunity to succeed in 10-1 in the second semester.

Recommended Academic Achievement: 50% or better in English Language Arts 9

English Language Arts 20-1

This English Language Arts course is the second in the academic program that is intended for students who have demonstrated strengths in their use of language and in their understanding of print and non-print texts. This course provides an in-depth study of texts with an increased emphasis on textual analysis. It requires both the study and

writing of essays. This program emphasizes the creation of personal responses and critical analytical responses to a variety of literary texts and contexts.

Recommended Academic Achievement: 65% or better in English Language Arts 10-1

English Language Arts 20-2

This English Language Arts course is for those students who demonstrate increasing capacity in their use of language and in their understanding of print and non-print texts. Students will create visual reflections, persuasive writing pieces, and literary exploration essays. This program focuses on both functional and critical writing. The content is similar to English Language Arts 20-1 but the level of depth and analysis is less complex. At FFCA, this course may be used as a bridge to help students' knowledge and skills improve to give them a better opportunity to succeed in 20-1 in the second semester.

Recommended Academic Achievement: 50% or better in English Language Arts 10-1 or 10-2

English Language Arts 30-1 *

This English Language Arts course is the last in the academic program and is intended for students who have demonstrated strengths in their use of language and in their understanding of print and non-print texts. These courses provide in-depth study of text in terms of increased emphasis on independent textual analysis. It requires both the study and writing of essays. This program emphasizes the creation of personal critical analytical responses to a variety of literary texts.

Recommended Academic Achievement: 65% or better in English Language Arts 20-1

English Language Arts 30-2 *

This English Language Arts course is for those students who demonstrate increasing capacity in their use of language and in their understanding of print and non-print texts. The content is similar to English Language Arts 30-1 yet the level of depth and analysis is less complex giving students the opportunity to further develop their skills in these areas. This program focuses on both functional and critical writing.

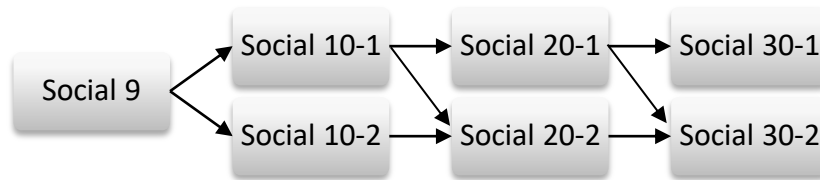
Recommended Academic Achievement: 50% or better in English Language Arts 20-1 or 20-2

** Required for an Alberta High School Diploma (one of E.L.A. 30-1 or 30-2)*

IMPORTANT NOTE:

Please check your post-secondary requirements for either English 30-1 or 30-2 before making your selection. This ensures you are registered in the correct course for your academic goals and needs.

SOCIAL STUDIES



Social Studies 9

Students examine the relationship between Canada's political and legislative processes and their impact on issues pertaining to governance, rights, citizenship, and identity. Students also explore economic issues and their impact on quality of life, citizenship and identity in Canada and the USA.

Grade 9 students will broaden their understanding and appreciation of the relationships among governance, economics, quality of life, citizenship, and identity.

Social Studies 10-1

Students will explore multiple perspectives on the origins of globalization and the local, national, and international impacts of globalization on lands, cultures, economies, human rights and quality of life. Students examine the relationships among globalization, citizenship, and identity to enhance skills for citizenship in a globalizing world. The infusion of multiple perspectives allows students to examine the effects of globalization on peoples in Canada and throughout the world, including the impact on First Nation and Francophone communities.

Globalization, the process by which the world's citizens are becoming increasingly connected and interdependent, demands that students explore responsibilities associated with local and global citizenship and formulate individual responses to emergent issues related to globalization. Recognizing and appreciating the influence of globalization will lead students to develop individual and collective responses to emergent issues.

Recommended Academic Achievement: 65% or better in Social Studies 9

Social Studies 10-2

Students will explore historical aspects of globalization as well as the effects of globalization on lands, cultures, human rights, and quality of life. Students will explore the relationships among globalization, citizenship, and identity. The infusion of multiple perspectives will allow students to examine the effects of globalization on peoples in Canada and other locations, including the impact on Aboriginal and Francophone communities. Students will develop skills to respond to issues emerging in an increasingly globalized world.

By examining opportunities and challenges associated with globalization, the process by which the world is becoming increasingly connected and interdependent, students will develop awareness of the impacts of globalization. Recognizing and appreciating the influence of globalization will lead students to examine their roles as responsible and active citizens in a globalizing world.

Recommended Academic Achievement: 50% or better in Social Studies 9

Social Studies 20-1

Students will explore the complexities of nationalism in Canada and international contexts. They will study the origins of nationalism and the influence of nationalism on regional, international, and global relations. The infusion of multiple perspectives will allow students to develop understandings of nationalism and of how nationalism contributes to the citizenship and identities of peoples in Canada.

While nationalism has historically examined the relationship of the citizen to the state, contemporary understandings of nationalism include evolving individual, collective, national and state realities. Exploring the complexities of nationalism will contribute to an understanding and appreciation of the interrelationships among nation, nationalism, internationalism, globalization, and citizenship and identity. Developing understandings of the various points of view associated with nationalism as well as an appreciation for the perspectives of others will encourage students to develop personal and civic responses to emergent issues related to nationalism.

Recommended Academic Achievement: 65% or better in Social Studies 10-1

Social Studies 20-2

Students will examine historical and contemporary understandings of nationalism in Canada and the world. They will explore the origins of nationalism as well as the impacts of nationalism on individuals and communities in Canada and throughout the world. Students will develop personal and civic responses to emergent issues related to nationalism.

As perspectives on personal identity continue to evolve, so do understandings of nationalism and what it means to be a member of a collective, community, state and nation. This evolution is significant in the Canadian context as nationalism continues to shape visions of identity and nation. Understanding the significance of nationalism contributes to an appreciation and awareness of the interrelationships among nationalism, internationalism, citizenship, and identity.

Recommended Academic Achievement: 50% or better in Social Studies 10-1 or 10-2

Social Studies 30-1 *

Students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classic and modern liberalism. An analysis of various political and economic systems will allow students to assess the viability of the principles of liberalism. Developing understandings of the roles and responsibilities associated with citizenship will encourage students to respond to emergent global issues. Students in this course are expected to demonstrate critical thinking skills and strong written communication.

The principles of liberalism have played a significant role in the development of modern democratic societies. Developing a comprehensive understanding of the evolution of modern liberal thought and the tenets of competing ideologies is important in the development of active, informed and responsible citizens. This understanding will enable students to effectively investigate, analyze and evaluate government policies and actions and develop individual and collective responses to contemporary local, national and global issues.

Recommended Academic Achievement: 65% or better in Social Studies 20-1

Social Studies 30-2 *

Students will examine the origins, values and components of competing ideologies. They will explore multiple perspectives regarding relationships among individualism, liberalism, common good and collectivism. An examination of various political and economic systems will allow students to determine the viability of the values of liberalism. Developing understandings of the roles and responsibilities associated with citizenship will encourage students to respond to emergent global issues.

Democratic and capitalist societies are founded upon the key values of individualism and liberalism. Active and responsible citizenship requires citizens to have knowledge and skills to examine, analyze and evaluate a variety of political and economic systems. An awareness of the evolution of ideologies is key to comprehending and responding to local, national and global issues.

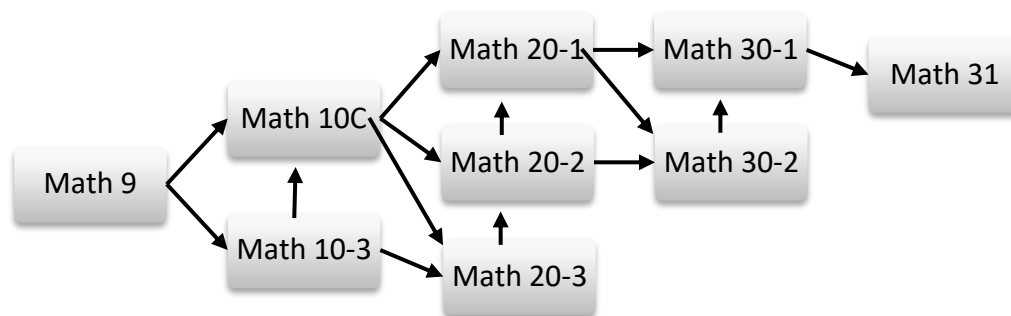
Recommended Academic Achievement: 50% or better in Social Studies 20-1 or 20-2

** Required for an Alberta High School Diploma (One of Social 30-1 or Social 30-2)*

IMPORTANT NOTE:

Please check your post-secondary requirements for either Social Studies 30-1 or 30-2 before making your selection. This ensures you are in the right course for your academic goals and needs.

MATHEMATICS



The mathematics curriculum does require students to have a calculator for each level. Please read the following to ensure you have the correct calculator for the course being taken.

Please see the LINK below for a list of scientific calculators and graphing calculators that are and are not permitted when writing diploma exams or in writing FFCA exams, tests, or quizzes. This is not an exhaustive list as all calculators must be checked and approved.

2023-2024 Calculator information and rules: [LINK](#)

https://www.alberta.ca/system/files/custom_downloaded_images/edc-calculator-information-and-rules.pdf

When checking calculators for prohibited properties, it is advisable to check both trigonometric and radical values. This is not a foolproof test, as these features can be temporarily turned off. For example, the calculations $(\sqrt{12})$ and $\cos(30^\circ)$ should result in decimal values and not exact values. Note that this is not a foolproof test, as these features can be temporarily turned off.

Mathematics 9

Mathematics 9 builds on the foundational skills and math facts taught in elementary and middle school. A student's ability to speak and interpret the language of math is expanded through the study of Square Roots, Rational Numbers, and Powers and Exponents. Skills are developed in problem solving using Linear Relations, Polynomials, and Linear Equations and Inequalities. The course focuses on applying mathematical concepts to real world problems and students will complete projects in Surface Area, Geometry, and Statistics. Students must bring their own non-graphing scientific calculator.

Mathematics 10C

Mathematics 10 Combined is the starting point for both the -1 and -2 sequences in the Alberta Education High School Mathematics Program. Each topic area requires that students develop a conceptual knowledge base and skill set that will be useful in whichever course sequence a student chooses to follow. Math 10C includes the study of measurement (SI & Imperial), trigonometry, polynomial factoring and operations, systems of equations, and linear functions & relations. This program requires the use of a graphing calculator.

Recommended Academic Achievement: 60% or better in Mathematics 9 or 50%, or better in Math 10-3

Mathematics 10-3

FFCA offers a year-long math program at grade 10. This is a 10-3/10C series of courses designed to help students who currently struggle with math to have an opportunity to practice math and fill in some cognitive gaps in understanding before entering future math courses. 10-3 can also be taken individually as the start to our applied math program. From here students can move forward taking Math 20-3 credits toward graduation. Please note that there are multiple job opportunities for students who would like to take this route, and for whom math is not a top priority. A calculator is required.

Mathematics 20-1 *

Mathematics 20-1 is a course intended to prepare students for post-secondary studies that may require the study of calculus. It includes the study of systems of equations, inequalities, sequences & series, trigonometry, relations, functions & equations (absolute value, radical, rational, polynomial, and reciprocal). This program requires the use of a graphing calculator.

Recommended Academic Achievement: 70% or better in Mathematics 10C or in Math 20-2

Mathematics 20-2 *

Mathematics 20-2 is the mathematics course in sequence intended to prepare students for post-secondary studies that do not require the study of calculus. It includes the study of statistics, probability, geometry, logical reasoning, relations, functions & equations (logarithmic, exponential, rational, polynomial & sinusoidal). This program requires the use of a graphing calculator.

Recommended Academic Achievement: 50% or better in Mathematics 10C

Mathematics 20-3 *

Mathematics 20-3 is designed to follow directly from Mathematics 10-3. This course sequence is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into many trades and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics, and probability.

Recommended Academic Achievement: 50% or better in Mathematics 10-3 or Math 10C

Mathematics 30-1

Mathematics 30-1 is a highly academic course designed to prepare students for post-secondary programs requiring calculus. It includes the study of polynomial functions, rational and radical functions, exponential functions, logarithmic functions, trigonometric functions, as well as transformations of any function. Additionally, trigonometric identities, permutations, combinations, and the binomial theorem are studied as part of the course. This program requires the use of a graphing calculator.

Recommended Academic Achievement: 70% or better in Mathematics 20-1 or Mathematics 30-2

Mathematics 30-2

Mathematics 30-2 is the last course in the academic mathematics program designed to prepare students for post-secondary programs which do not require calculus. It includes the study of polynomial functions, exponential functions, logarithmic functions, sinusoidal functions, rational expressions and equations, set theory, counting principles, and probability. Math 30-2 is an acceptable qualifying course for many post-secondary programs. This program requires the use of a graphing calculator.

Required Academic Achievement: 50% or better in Mathematics 20-2 or 20-1

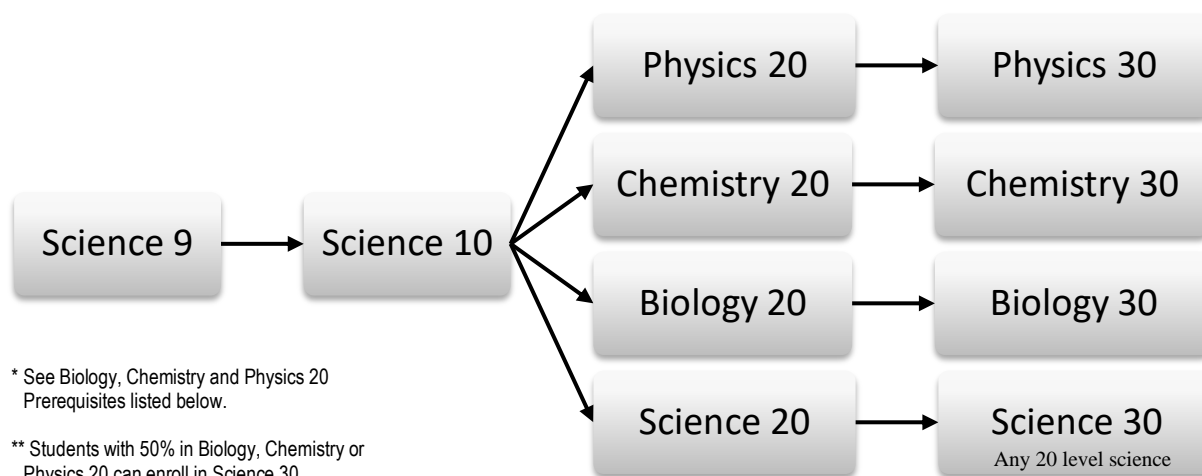
Mathematics 31

Mathematics 31 is a university preparatory course focusing on the foundational skills required for first year university calculus. Included in this course are the concepts of limits, the derivative, rates of change, related rates, antiderivatives, and integrals. This program requires a strong work ethic and a scientific calculator (no graphing calculator). It is recommended to take Math 30-1 prior to Math 31, but these courses can be taken concurrently.

Recommended Academic Achievement: 70% or better in Mathematics 30-1

** One 20 Level Math is required for an Alberta High School Diploma.*

SCIENCES



Science 9

Science 9 is an integrated academic course where students develop foundational knowledge and skills in Life Science, Earth Science, and Physical Science. The course includes field trips, hands-on labs, and student led research projects. Students will develop the science-related knowledge, skills and attitudes they need to solve problems and make decisions in five topics: Biological Diversity, Matter and Chemical Change, Environmental Chemistry, Electrical Principles and Technologies, and Space Exploration. The use of mathematical skills to solve science problems is introduced.

Science 10

Science 10 is an integrated academic course that helps students better understand and apply fundamental concepts and skills common to biology, chemistry, physics, and the Earth sciences. Science 10 is a prerequisite for all of the 20-level science courses. Students in Science 10 study the scientific principles behind natural events, the technology used in daily life and societal issues associated with science and technology.

Science 20 *

Science 20 is the second course in the general sciences sequence. It is an integrated academic course that helps students better understand and apply fundamental concepts and skills common to biology, chemistry, physics, and the Earth sciences. Students in Science 20 study the scientific principles behind natural events, the technology used in daily life and societal issues associated with science and technology.

Recommended Academic Achievement: 50% or better in Science 10

Biology 20 *

Biology involves the study of life and living systems from the molecular level to the biosphere. It allows students to explore and understand the natural world and to become aware of the profound influence of biology in their lives. The units studied in Biology 20 are

- 1) Biochemistry, Photosynthesis, and Cellular Respiration,
- 2) Human Systems,
- 3) Energy and Matter Exchange in the Biosphere, and
- 4) Ecosystems & Population Change.

Recommended Academic Achievement: 65% or better in Science 10 Biology Unit

Chemistry 20 *

Chemistry is the study of matter and its changes. It allows students to explore and understand the natural world and to become aware of the profound influence of chemistry in their lives. The units studied in Chemistry 20 are

- 1) Diversity of Matter and Chemical Bonding,
- 2) Matter as Solutions, Acids and Bases,
- 3) Quantitative Relationships in Chemical Changes, and
- 4) Gases.

Recommended Academic Achievement: 65% or better in Science 10 Chemistry Unit and 65% or better in Math 10C

Physics 20 *

Physics is the broad study of matter and energy and the interactions that occur between them. Physics 20 allows students to explore and understand the natural world and to become aware of the profound influence of physics in their lives by exploring such things as motion, forces, work, and energy. The units studied in Physics 20 are 1) Kinematics, 2) Dynamics, 3) Conservation of Energy, and 4) Periodic Motion.

Recommended Academic Achievement: 65% or better in Science 10 Physics Unit and 65% or better in Math 10C

Science 30

Science 30 is the final course in the general sciences sequence. It is an integrated academic course that helps students better understand and apply fundamental science concepts and skills common to biology, chemistry, physics and Earth sciences. Students in Science 30 study the scientific principles behind natural events, the technology used in daily life and societal issues associated with science and technology.

Science 30 is accepted for many non-Science based post-secondary programs as well as some Science based programs. It is an excellent course for students planning to study in the areas of Social Sciences, Humanities, Fine Arts, and Business in the future.

Recommended Academic Achievement:

50% or better in any science at the 20 level (Biology 20, Chemistry 20, Physics 20, or Science 20)

Biology 30

Biology 30 brings students full circle from their previous biology studies throughout high school. They have a chance to see how connected their own lives are to the greater world around them and how wonderful the study of life can be. The units studied in Biology 30 are:

- 1) Homeostasis,
- 2) Human Reproduction & Development,
- 3) Molecular Genetics, Mendelian Genetics and
- 4) Population Dynamics.

Recommended Academic Achievement: 60% or better in Biology 20

Chemistry 30

Chemistry 30 builds on Chemistry 20's study of matter and its changes. The units studied in Chemistry 30 are

- 1) Thermochemical Changes,
- 2) Electrochemical Changes,
- 3) Chemical Changes of Organic Compounds, and
- 4) Chemical Equilibrium Focusing on Acid-Base Systems.

Recommended Academic Achievement: 65% or better in Chemistry 20

Physics 30

Physics 30 continues the study of matter and energy and their interactions that began in Physics 20.

Students will also begin exploring more of the theoretical aspects of physics such as electric and magnetic fields, radiation, and atomic physics while still focusing on the practical applications of physics in daily life. The units studied in Physics 30 are 1) Momentum, 2) Electricity and Magnetism, 3) Electromagnetic Radiation, and 4) Atomic Physics.

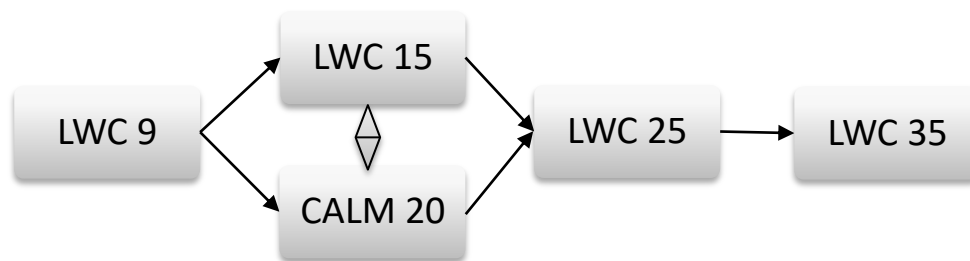
Recommended Academic Achievement: 65% or better in Physics 20 and 50% or better in Math 20-1

** Required for an Alberta High School Diploma (One 20 Level Science)*

1 of Science 30, Biology 30, Chemistry 30 or Physics 30 required for completion of FFCA High School program

LEADERSHIP with CHARACTER 9, 15, 25, 35 and CALM 20

NOTE: All levels of Leadership with Character are required for completion of FFCA High School Program.



Leadership with Character 9

This course covers the required grade nine outcomes from Alberta Education's Health curriculum with a focus on Sean Covey's book, The 7 Habits of Highly Effective Teens. Wellness choices are introduced including issues surrounding mental health, mental illness and interpersonal relationships.

Leadership with Character 15 (3 credits) + Career and Life Management 20 (3 credits) REQUIRED

The Grade 10 Leadership Program at FFCA focuses on the understanding and demonstration of effective leadership skills, and diversely rich communication skills, when leading and collaborating effectively with others. The emphasis of this program is the application of a growth-mindset to lead oneself effectively.

LWC 15 is comprised of the following CTS modules:

1. HSS1030 Communication Skills for Professionals;
2. HSS1080 Leadership Fundamentals I;
3. HSS 1040 Developing Maturity and Independence

Leadership Fundamentals I is a prerequisite for LF II in Grade 11.

CALM 20 focuses on student development in three key strands:

1. Personal Choices (Wellness & Relationships) focusing on the understanding of the emotional, psychological, intellectual, social, spiritual and physical dimensions of health and the dynamic interplay of these factors in managing personal well-being;
2. Life Learning Resource Choices which focuses on making goals and demonstrating commitment to self and others;
3. Career and Life Choices which focuses on the development and application of processes for managing personal, lifelong career development. FFCA integrates some of its career and post-secondary preparation into its CALM 20 curriculum.

CALM 20 is an Alberta Education High School graduation requirement. If a student does not successfully complete CALM 20 at FFCA High School, this course will need to be completed elsewhere since CALM 20 is integrated with our Leadership 15 curriculum.

Leadership with Character 25 - 3 credits - REQUIRED

NOTE: New students enrolling at FFCA in Grade 11 will be expected to complete Leadership Fundamentals I (the Grade 10 pre-requisite module) over the summer, prior to starting their LWC-25 program. The digital resources will be given to all new students during the registration process.

This experiential Leadership Program seeks to extend students' understanding of self and others, giving students the opportunity to learn how to connect with and positively influence others. The emphasis of this program is understanding and applying personal leadership through a growth-mindset. Students will think critically through opportunities of self-exploration and self-assessment, subsequently developing and applying a personal growth vision so they may effectively interact and collaborate with others in diverse interpersonal and group or team settings.

LWC 25 is comprised of the following CTS modules:

1. HSS1090 Speaking and Presenting;
2. HSS2030 Perspectives on Interpersonal Relationships;
3. HSS2080 Leadership Fundamentals II.

Leadership Fundamentals II is a prerequisite for LF III in Grade 12.

Leadership with Character 35 - 3 credits - REQUIRED

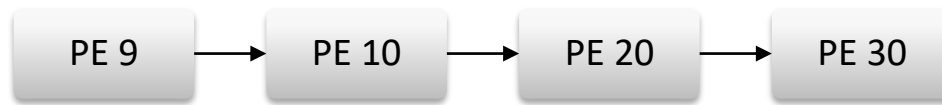
NOTE: New students enrolling at FFCA in Grade 12 will be expected to complete Leadership Fundamentals I and II (the Grade 10 and 11 pre-requisite modules) over the summer, prior to starting their LWC 35 program. The digital resources will be given to all new students during the registration process.

This final stage of the Leadership program at FFCA is an entirely participatory curriculum designed for students to experience a positive sense of community and the influence they can have on it. Through the creation of a personal and shared team vision, students demonstrate their understanding of effective team and leadership skills when collaborating with a small group to lead their class through the development of their team as well as their team project.

LWC 35 is comprised of the following CTS modules:

1. HSS3080 Leadership Fundamentals;
2. HSS3090 Governance & Leadership;
3. HSS3910 HSS Project.

PHYSICAL EDUCATION



Physical Education 9

This is the first course in FFCA's Physical Education Program designed to help students develop the knowledge, skills and attitudes necessary to lead an active, healthy lifestyle. Four general outcomes are the basis of the Physical Education curriculum. They encompass the A, B, C, and D's of physical education. These include skill acquisition through a variety of developmentally appropriate movement Activities, the experience and appreciation of health Benefits that result from physical activity, the development of Cooperation skills, and the Decision to lead an active way of life.

Physical Education 10

This is the second course in FFCA's Physical Education Program designed to help students develop the knowledge, skills and attitudes necessary to lead an active, healthy lifestyle.

Physical Education 20 – 3 credits

This is the third course in FFCA's Physical Education Program designed to help students develop the knowledge, skills and attitudes necessary to lead an active, healthy lifestyle. Rephrase this PE dept

Physical Education 30 - 3 credits

This is the final course in FFCA's Physical Education Program designed to help students develop the knowledge, skills and attitudes necessary to lead an active, healthy lifestyle.

Physical Education 30 – 5 credits

This 5-credit course is for students who are interested in deepening their knowledge of Physical Education. Extensive travel to off-site activities is required in this course and attendance is mandatory. Students are also required to complete 5 service hours by the end of the course; this can include but is not limited to supervising intramurals, scorekeeping, timekeeping, etc. Off-site activities may include water polo, billiards, bowling, curling, tennis, racquetball, squash, hiking, canoeing, kayaking, golfing par 3 and skating.

*P.E. 30 is a fully accredited course that may fulfill entrance requirements for many post-secondary institutions. Students should verify the admissions requirements of the post-secondary institutions they are interested in to ensure this course will be accepted as part of their entrance qualifications.

Elective Program Introductions

The following elective course descriptions reflect the courses that have been offered at FFCA High School in the past and are being considered for the upcoming school year. It is important to note that not all courses may be offered in all years and that student demand and staff expertise will affect the availability of elective courses.

Grade 9 Program Descriptions

Advanced Acting 9 *(Associated fee to be determined)*

This course is an exciting and effervescent 5-credit course dedicated to the creation, rehearsal, and performance of ONE ACT plays, offered after school during the second semester in Block 5. The focus is on the ONE ACT rehearsals and performances to be presented each year at the Alberta High School One Act Festival (AHSDFA). We range from producing 1-6 plays, all student directed, some student written, to showcase at the Zone Festival in hopes of producing at the Provincial Level in Red Deer. Students enrolling in this course will have to commit to rehearsals every Monday, Tuesday and Wednesday from 3:45-5:45pm, Fridays from 2-7pm, and some additional weekends. Performances are at the end of April and a trip to Red Deer in May.

Recommended Academic Achievement: Audition ticket, Monologue Audition, Cold Reads, and Proposals (for Directors/Playwrights).

Art 9 *(Associated fee to be determined)*

This course enables students to have a greater level of understanding of what the creation of art forms involves – with critical skills and an appreciation of the role of art and artists in historical and contemporary society. The program concentrates on art fundamentals and working with the basic techniques and skills needed for drawing, painting, and sculpture as well as learning art vocabulary and history. After taking this course, students will be well versed in the basics of art creation, understanding and appreciation.

Choral Music 9 *(Associated fee to be determined)*

This course is a Performance Art course. Along with the Choral 10-20-30 students, the Choral 9 students form one mass choir of generally 45-65 members. These students rehearse together and perform at various venues and concerts, as a group. This course meets Tuesdays and/ or Wednesdays at lunch, as well as Thursdays, Block 5, 3:45-5:45pm. Additional rehearsal times are to be advised during concert season.

Drama 9 (*Associated fee to be determined*)

This course provides students an opportunity to explore theatre in an effervescent and energizing familial community. Students grow personally and artistically in this course as they delight in the exploration of varying theatre concepts and skills through group and individual projects such as Tableaux, Pantomime, Mask, Choral Speech, Ensemble Theatre, Comedic Scripts, and Monologues. Drama 9 students also enjoy various workshops with professional artists, exploring such avenues as Stage Combat and Improv Theatre. Basic acting exercises develop the fundamental skills of concentration, relaxation, trust, imagination, collaboration, self-confidence, and both verbal and non-verbal communication. Students will also be introduced to the vocabulary of the stage and the various roles and responsibilities of theatre artists. As this is a Performance Art course, each unit of study concludes with a performance on the stage. Students may also be selected to perform projects at lunch during *Theatre Thursday*. Students are required to attend after school performances of the Musical (first semester)/One Acts (second semester) and Class Acts.

Musical Theatre 9 (*Associated fee to be determined*)

This course is an exciting and effervescent 5-credit course dedicated to the creation, rehearsal, and performance of our annual musical, offered after school during the first semester (and possibly second semester) in Block 5. Past performances include, The Addams Family, Beauty and the Beast, Cinderella, among others. This course is offered after school during our Block 5 time, generally Mondays, Tuesdays, Wednesdays from 3:45-5:45pm, and Fridays from 2-7pm. Saturday times are also added three weeks prior to performance. Students enrolling in this course will be actively involved with the annual musical theatre performance during the first semester each year.

New Media 9 (*Associated fee to be determined*)

In this course we will study complex software (Adobe Animate, Photoshop, Illustrator, and Premiere) to create animations, videos, and graphic designs by manipulating photos and/or manufacturing an original composition. You will also use cutting technology to turn your graphic design into a sticker! Students will practice digital citizenship and strengthen their critical thinking skills while engaging with powerful creative tools.

Outdoor and Environmental Education 9 *(Associated fee to be determined)*

Environmental and Outdoor Education provides students with opportunities to experience the outdoors and their natural environment to help develop an understanding of ecologically sound practice. Students will engage in a variety of activities both in-class and outdoors that will provide them with the basic level of knowledge and skills necessary to pursue many outdoor activities in a safe, enjoyable, and responsible manner. It is hoped that students will finish the course with a life-long appreciation for outdoor pursuits and environmental issues.

This course includes a 2 day/1-night overnight camping trip to River's Edge campground near Water Valley.

Activities: Camping, cooking, shelter building, orienteering, canoeing, fire building, environmental stewardship

Robotics 9 *(Associated fee to be determined)*

In this course students will design, build, and program a robot to complete missions related to a relevant theme. As a project-based course, students will also identify a specific problem related to that theme. They will research various aspects of a problem and propose a combination of technical, social and political solutions to the problem. Students will use an appropriate Robot Control Language (RCL). This course is designed for students to prepare for the For Inspiration and Recognition of Science and Technology (FIRST) LEGO League. Students will attend and participate in one FFCA Robotics Showcase event hosted at FFCA and the Alberta FLL Championship hosted at SAIT.

Note: there are culminating events on a Saturday in mid-January and again in mid-February.

Technical Theatre 9 *(Associated fee to be determined)*

This course is a full-year course, offered after school during our Block 5 time (Wednesdays, 3:45-5:45pm), plus some additional weekend time). The focus of this course is to provide an introduction to the backstage arts and crafts of the Theatre set, props, costume design and construction, lighting and sound design and execution; stage management; company management. Students taking this course will be expected to commit to class time and performance schedules. Every student must commit to performing technical duties at least one of the following: Musical OR One Act Performances and One Act Festival in Red Deer, depending on performance year.

High School Elective Pathways and Program Descriptions

Business Education

Grade 10
Marketing and Management

Grade 11
Marketing and Management
Entrepreneurship and Innovation
Personal Finance and Investing

Grade 12
Marketing and Management
Entrepreneurship and Innovation
Personal Finance and Investing

Marketing and Management (*Associated fee to be determined*)-offered at NHS and SHS

An introduction to the Business Education course focuses on the management and marketing aspects of business. Expect to work in teams to explore the world of retail businesses, problem-solve real-world customer challenges, produce engaging e-commerce websites and advertisements, and even create retail merchandising displays. This course includes the following 5 CTS modules: MAM 1010 Management & Marketing Basics, MAM 1020 Quality Customer Service, MAM 1040 E-Commerce, MAM 2030 Visual Merchandising, MAM 2090 Print Advertising.

Prerequisite: None

NOTE: Two of the modules in Marketing and Management (Visual Merchandizing-MAM 2030 and Promotion-Print Advertising-MAM 2090) can be used for your Early Admission average post-secondary application (as an elective when paired with another 3 credit course such as Economics for Consumers, Psychology, Sociology, or World Religions or 3 modules such as Leadership 20) for some post-secondary programs at many institutions including Mount Royal University and University of Calgary, but they will not be able to be used towards your final admission average as they are at the 20 level, rather than the 30 level. It is worth noting if this can be used for programs you are interested in pursuing.

Entrepreneurship and Innovation (*Associated fee to be determined*)-**offered at NHS and SHS**

This course focuses on the fundamentals of starting a new business. Students will embark with a team in designing, creating and selling their own product. By analyzing the markets and carefully choosing their implementation strategies, it will take the strong, creative and truly motivated to come out on top in the competitive business challenge at the end of the semester. It includes the following CTS modules:

ENT1010 Challenge & Opportunity, ENT1910 Enterprise Project A, ENT2030 Marketing the Venture, ENT2040 Create the Venture and ENT2910 Enterprise Project B.

Prerequisite: None

NOTE: Two of the modules in Entrepreneurship and Innovation (Create the Venture-ENT 2040 and Enterprise Project-ENT 2910) can be used for your Early Admission average (as an elective when paired with another 3 credit course such as Economics for Consumers, Psychology, Sociology, or World Religions or 3 modules such as Leadership 20) for some post-secondary programs at many institutions including Mount Royal University and University of Calgary, but they will not be able to be used towards your final admission average as they are at the 20 level, rather than the 30 level. It is worth noting if this can be used for programs you are interested in pursuing.

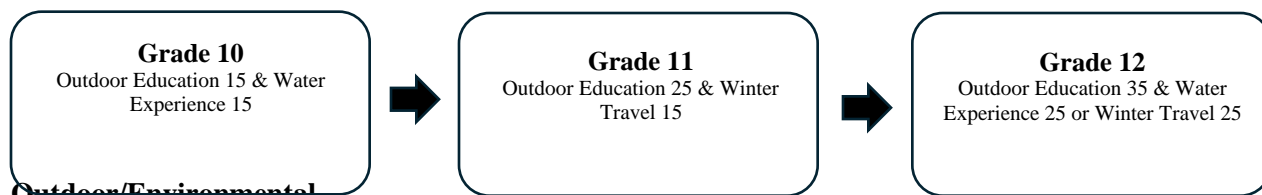
Personal Finance and Investing (*Associated fee to be determined*)-**offered at NHS and SHS**

This course focuses on the basics of personal financial management and general and stock market investing. It includes three credits worth of study in Economics for Consumers 20 focusing on factors that may influence income and expenditures, budgeting, advantages and disadvantages of credit, debt management, inflation, and understanding of capital goods markets. It also includes three CTS modules: FIN1010 Personal Financial Information and FIN2060 Personal Taxation, and Economics for Consumers.

Prerequisite: None

NOTE: One of the modules (Personal Taxation-FIN 2060) and the 3-credit course (Economics for Consumers-SSN 2187) in Personal Finance and Investing can be used for your Early Admission average (as an elective when paired with another 3 credit course such as Psychology, Sociology, or World Religions or one module from an approved course, such as Leadership 20) for some post-secondary programs at many institutions including Mount Royal University and University of Calgary, but they will not be able to be used towards your final admission average as they are at the 20 level, rather than the 30 level. It is worth noting if this can be used for programs you are interested in pursuing.

Outdoor and Environmental Education



Outdoor/Environmental Education 15 & Water Experience 15 (*Associated fee to be determined*)-offered at NHS and SHS

This course provides students with the opportunity to engage in a variety of activities focusing interactions with the natural habitat. It includes four or five of the following CTS modules: WLD1010 Introduction to Wildlife, WLD1060 Wilderness Navigation, WLD1050 People, Culture & Wildlife Heritage, WLD1100 Outdoor Cooking Theory, and TOU 1010 Introduction to Tourism.

Outdoor/Environmental includes a mandatory three credit off-campus course, **Winter Travel or Water Experience 15**. It is a four day, three-night mandatory course, making **Outdoor Ed. 15** worth a total of 7- 8 credits. Credits are awarded from Canadian Rockies School Division for the off-campus portion of this course.

Outdoor/Environmental 25 & Winter Travel 15 (*Associated fee to be determined*)-offered at NHS and SHS

This is an intermediate course focusing on the development of knowledge and skills to allow students to safely and competently interact with the natural habitat. It will include four or five of the following CTS modules: WLD2020 Diversity of Wildlife Values, WLD2040 Wildlife Species and Spaces, WLD2100 Outdoor Cooking Practice, HSC 2020 Level C First Aid CPR + AED, TOU 1120 Adventure and Ecotourism, WLD1130 Outdoor Survival Skills, and WLD 1910/2910 (Project A/B) which is a self-guided project that extends prior learning.

Outdoor/Environmental 25 includes a mandatory three credit off-campus course, **Winter Travel or Water Experience 15**. It is a four day, three-night mandatory course, making **Outdoor Ed. 25** worth a total of 7-8 credits. Credits are awarded from Canadian Rockies School Division for the off-campus portion of this course.

Prerequisite: 50% or better in all **Outdoor/Environmental Ed. 15** modules, including those for the trip. In special cases, students can do the prerequisites for this course independently. Please speak to the outdoor education teacher for more details.

Outdoor/Environmental 35 + Water Experience 25 or Winter Travel 25 (*Associated fee to be determined*)-offered at NHS and SHS

This is an advanced course focusing on the development of knowledge and skills to allow students to

safely and competently interact with the natural habitat and plan and prepare for overnight trips using various modes of travel.

It includes four or five of the following CTS modules: TOU 2120 Adventure and Ecotourism 2, WLD3020 Wildlife Protection & Stewardship, WLD3050 Wildlife Management Principles, WLD2130 Outdoor Excursion, WLD3130 Outdoor Leadership, WLD3140 Introduction to Guiding, WLD 2910/3910 (Project B/C) which is a self-guided project that extends prior learning.

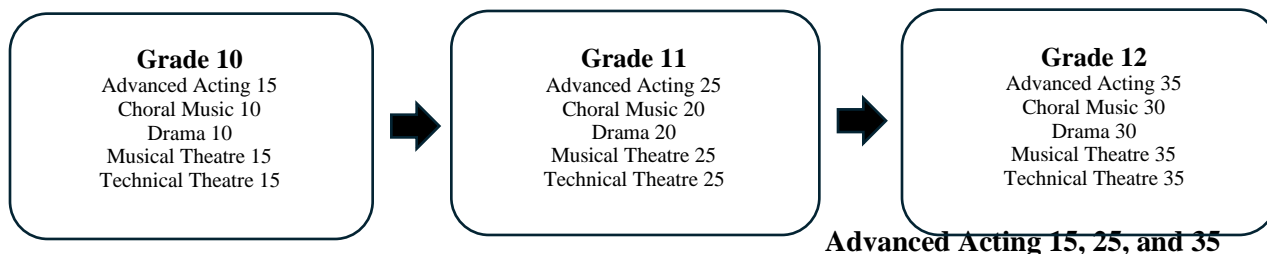
Outdoor Ed. 35 includes a mandatory three credit off campus course, Winter Travel 25 or Water Experience 25 (students who finish grade 11 Outdoor Ed. will vote on which extension they prefer to do). It is a five day, four-night mandatory course making Outdoor Ed. 35 worth a total of 7 or 8 credits. We are currently looking into dual credit for this course as well, giving you university credits.

Prerequisite: 50% or better in all Outdoor/Environmental Ed. 25 modules, including those for the trip. In special cases, students can do the prerequisites for this course independently. Please speak to the outdoor education teacher for more details.

If a student takes all three high school outdoor education courses they will receive the following certifications: Level C First Aid (16 hours), Waterfront Canoe Skills Tandem, Moving Water Canoe Introduction (Tandem) OR Avalanche Skills Training (AST 1) depending on trip chosen for grade 12, as well as potential university credit. Credits are awarded from Canadian Rockies School Division for the off-campus portion of this course.

NOTE: The modules in Outdoor Education 35 can be used for post-secondary application (as an elective) for some post-secondary programs at some institutions including Mount Royal University (but not the University of Calgary). It is worth noting if this can be used for programs you are interested in pursuing.

Performing Arts



(Associated fee to be determined)-**offered at NHS (in block 5) and SHS (during regular school day)**

This course is an exciting and effervescent 5-credit course dedicated to the creation, rehearsal, and performance of ONE ACT plays, offered after school during the second semester in Block 5. The focus is on the ONE ACT rehearsals and performances to be presented each year at the Alberta High School One Act Festival (AHSDFA). We range from producing 1-6 plays, all student directed, some student written, to showcase at the Zone Festival in hopes of producing at the Provincial Level in Red Deer. Students enrolling in this course will have to commit to rehearsals every Monday, Tuesday and Wednesday from 3:45-5:45pm, Fridays from 2-7pm, and some additional weekends. Performances are at the end of April and a trip to Red Deer in May.

Prerequisite: Audition ticket, Monologue Audition, Cold Reads, and Proposals (for Directors/Playwrights). Drama 10-20-30 or completion of the previous Advanced Acting level, depending on grade of participant.

NOTE: Advanced Acting 35 can be used for post-secondary application (as a Fine Arts Approved Course) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

Choral Music 10, 20, and 30 (*Associated fee to be determined*)-offered at NHS and SHS (in block 5 at both campuses)

Choral is a full-year, 5-credit course that meets on Tuesdays and/or Wednesdays at lunch, and Mondays and/or Thursdays during Block 5, 3:45-5:45pm. Additional rehearsals are TBA during concert season. This is a performance art class; students in Choral 9-10-20-30 join together to create a mass choir, generally 45-60 members, who rehearse together and perform at various venues and concerts, as a group. Choral Music 20 is the second course in the high school choral music program. The choral music program's emphasis is on developing correct vocal techniques, the ability to make aesthetic judgments based on critical listening and analysis of music. Students also learn to interpret rhythm, melody, harmony, form and expression as they appear in musical notation. They will also develop creativity by composing, improvising and interpreting music.

The program also strives to help students grow in the appreciation, understanding and enjoyment of music as a source of personal fulfillment and cultural expression.

Prerequisite: Choral Music 10- no prerequisite. Choral Music 20 and 30-50% or better in previous level.

NOTE: Choral Music 30 can be used for post-secondary application (as a Fine Arts Approved Course) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

Drama 10, 20, 30

Drama 10 (*Associated fee to be determined*)-offered at NHS and SHS

This course provides students an opportunity to explore theatre in an effervescent and energizing familial community. Students grow personally and artistically in this course as they delight in the exploration of an exciting and creative Performance Art, focusing on acting, rehearsal, performance, community, and stage skills! The Drama program develops the student's creative potential and lays the foundation for excellence in performance. Areas covered include Pantomime, Movement, Speech and Improvisation, Acting techniques (Meisner), Technical Theatre, with a continual focus on performance. Each unit of student concludes with a performance on our stage, and a final Class Acts performance for audience nearing the end of the term. Students may also be selected to perform projects at lunch during *Theatre Thursday*. Students are required to attend after school performances of the Musical (first semester)/ One Acts (second semester) and Class Acts.

Drama 20 (*Associated fee to be determined*)-offered at NHS and SHS

This is an exciting continuum of the Drama stream- an exciting and creative Performance Art course with many opportunities to hone acting and playwriting skills through varying performance units. This course builds on the foundation of Drama 10 in continuing to develop the student's creative potential laying the foundation for performance. Areas covered include orientation, movement, speech and improvisation, acting, technical, theatre design and theatre studies with a focus on scriptwriting. Each unit of student concludes with a performance on our stage, and a final Class Acts performance for audience nearing the end of the term. Students may also be selected to perform projects at lunch during *Theatre Thursday*. Students are required to attend after school performances of the Musical (first semester)/ One Acts (second semester) and Class Acts.

Prerequisite: 50% or better in Drama 10 or teacher interview/audition

Drama 30 (*Associated fee to be determined*)-offered at NHS and SHS

This is a Performing Arts course, so all units have a performance aspect that is graded. This course continues to develop the student's creative potential laying the foundation for performance. Areas covered include orientation, movement, speech and improvisation, acting, technical, theatre design and theatre studies. It ties together all the concepts learned in previous courses with a focus on **directing**. All students will complete a Directing Intensive within the course, allowing them to then direct 20-minute scripts for performance. All students will also act in at least one of their peer's directing pieces. Each unit of student concludes with a performance on our stage, and a final Class Acts performance for audience nearing the end of the term. Students may also be selected to perform projects at lunch during *Theatre Thursday*. Students are required to attend after school performances of the Musical (first semester)/ One Acts (second semester) and Class Acts.

Prerequisite: 50% or better in Drama 20

NOTE: Drama 30 can be used for post-secondary application (as a Fine Arts Approved Course) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

Musical Theatre 15, 25, and 35 (*Associated fee to be determined*)-offered at NHS and SHS (in block 5 at both campuses)

This course is an exciting and effervescent 5-credit course dedicated to the creation, rehearsal, and performance of our annual musical, offered after school during the first semester (and possibly second semester) in Block 5. Past performances include, The Addams Family, Beauty and the Beast, Cinderella, among others. This course is offered after school during our Block 5 time, generally Mondays, Tuesdays, Wednesdays from 3:45-5:45pm, and Fridays from 2-7pm. Saturday times are also added three weeks prior to performance. Students enrolling in this course will be actively involved with the annual musical theatre performance during the first semester each year.

Prerequisite: A successful musical audition (singing, choreography, monologue, cold reads)

NOTE: Musical Theatre 35 can be used for post-secondary application (as a Fine Arts Approved Course) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

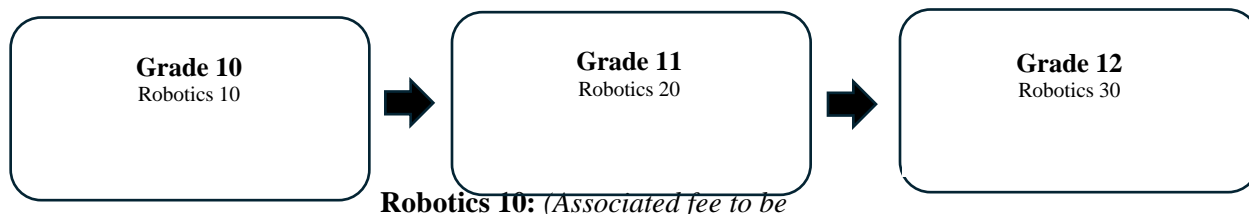
Technical Theatre 15, 25, and 35 (*Associated fee to be determined*)-offered at NHS and SHS (in block 5 at both campuses)

This course is a full year 5-credit opportunity, offered after school during our Block 5 time (Wednesday, 3:45-5:45pm) and the addition of some weekends closer to performance events. The focus of this course is to provide an introduction to the backstage arts and crafts of the Theatre set, props, costume design and construction, lighting and sound design and execution; stage management; company management. Students taking this course will be expected to commit to class time and performance schedules. Every student must commit to performing technical duties at least one of the following: Musical OR One Act Performances and One Act Festival in Red Deer.

Prerequisite: Technical Theatre 15-no prerequisite. Technical Theatre 25 and 35-completion of the previous level of Technical Theatre or permission from the teacher.

NOTE: Technical Theatre 35 can be used for post-secondary application (as a Fine Arts Approved Course) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

Robotics



Robotics 10: *(Associated fee to be determined)*-offered at NHS and SHS

This course consists of CTS modules which focus on the essential concepts of structured computer programming; electronic assembly; and the electric, mechanical, and programming design of robots. Students will have an opportunity to design and use their robots to meet various objectives. The course will make use of the VEX Robotics platform and can be geared towards preparing for and competing in regional VEX Robotics competitions. Successful completion of this class will earn you five CTS Credits.

Robotics 20: *(Associated fee to be determined)*-offered at NHS and SHS

This course focuses on the essential concepts of procedural computer programming; the conceptual and technical application of sensors; and the electric, mechanical, and programming design of robots. Students will have an opportunity to design and use robots to meet various objectives. The course will make use of the VEX Robotics platform and can be geared towards preparing for and competing in regional VEX Robotics competitions. Successful completion of this class will earn you five CTS Credits.

Prerequisite: 50% or better on all Robotics and Computer Science 10 modules

Note: there is a culminating event on a Saturday in early-December or early-January.

Robotics 30 (*Associated fee to be determined*)-offered at NHS and SHS

This course focuses on the essential concepts of object oriented computer programming; the conceptual and technical application of microprocessors and vision systems; and the electric, mechanical, and programming design of robots. Students will have an opportunity to design and use robots to meet various objectives. This grade 12 level course will build on grade 11 concepts by exploring in more detail kinematics, sensor systems, and artificial intelligence. The course will make use of the VEX Robotics platform and can be geared towards preparing for and competing in regional VEX Robotics competitions. Successful completion of this class will earn you five CTS Credits.

Prerequisite: 50% or better on all Robotics and Computer Science 20 modules

Note: there is a culminating event on a Saturday in early-December or early-January.

NOTE: The modules in Robotics 30 can be used for post-secondary application (as an elective) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

Sports Performance-SHS Only

Grades 10, 11, or 12
Sports Performance

Sports Performance (*Associated fee to be determined*)-only offered at
SHS

This course is offered for grades 10-12 as a three-year rotational program. Students who go through all three years of the program will finish with five 30 level modules which can be used for post-secondary applications.

Year 2: Sports Performance is a great opportunity for students who are interested in sport, movement, and the human body. In our second year of Sports performance, we will be covering modules on Nutrition for recreation and sport: students will have the opportunity to take a look at their current nutrition and consider how they can modify their eating habits to support their activities better. Coaching: students will delve into the theory and practice of being a coach. Officiating: students will have the ability to practice officiating various sports and will be encouraged to seek out external certifications in officiating. Sport and Society: students will learn about societal impacts on sport and sport impacts on society. Finally, students will be expected to complete the course with a student-led project.

Social Sciences

Grade 10
Psychology 20
Sociology 20/30 *with special
permission from teacher
(NHS only)

Grade 11
Psychology 20
Sociology 20/30 (NHS only)
World Religions 20/30 (NHS only)

Grade 12
Psychology 20
Sociology 20/30 (NHS only)
World Religions 20/30 (NHS only)

Psychology 20-consisting of

Personal Psychology 20 and General Psychology 20 (*No fee applies*)-offered at NHS and SHS

This course is a combination of General Psychology 20 and Personal Psychology 20. It is designed to develop the skills and understandings that make it possible for more effective living in our complex environment. The student's attention will focus on the scientific approach to understanding human behaviour so that he/she may appreciate more fully the reasons that individuals act in particular ways. This is a 6 credit academic option at the 20 level so students should be prepared for a significant work load, although a lot of class time is given for the work. **This course is available for students grades 10-12**

NOTE: At this time, we only offer Psychology 20, so it can be used in your Early Admission average but it cannot be used for your final admission average as it is not at the 30 level.

Sociology 20/30-consisting of Sociological Institutions 20 and Applied Sociology 30 (No fee applies) - only offered at NHS

Sociology 20/30 is a combination of Sociological Institutions 20 and Applied Sociology 30. It is designed to develop within the student a better understanding of group behaviour. This understanding should be based on fact rather than opinion. The sociological perspective focuses on “what is” rather than “what ought to be.” Students will be able to analyze occurrences around them objectively and based on sociological theory. They should feel themselves to be a part of society, understand its influence on their lives, and visualize their roles in societal change. This is a 6 credit academic option at the 20/30 level so students should be prepared for a significant work load, although a lot of class time is given for the work. Grades in Sociology 30 can be used for university application at most major universities.

This course is recommended for students in grade 11 – 12, although special permission may be given to some grade 10 students after discussion with the teacher.

NOTE: Sociology 30 can be used for post-secondary application (as an elective paired with 2 other accepted 30 level modules, such as Leadership, or a 3-credit course, such as World Religions) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

World Religions 20/30-consisting of Religious Ethics 20 and World Religions 30 (*Associated fee to be determined*)-only offered at NHS

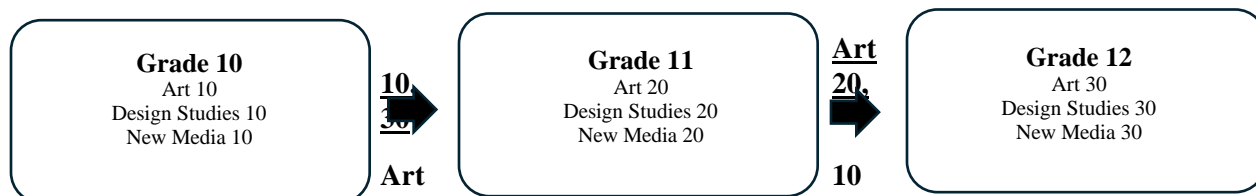
This course is designed to allow students to grow into informed, caring, and contributing members of society who appreciate their own beliefs and values, the beliefs and values of others, and who understand the role religion plays in human life. This course begins with a module covering the key dimensions of religion then moves into units on Christianity, Islam, secular beliefs, Hinduism, Daoism, Buddhism, Aboriginal beliefs, Sikhism, and Judaism. The second module allows students to explore areas of personal interest through purposeful inquiry projects. A key feature of this course will be field trips to places of worship and inviting spiritual leaders to visit our campus as guest speakers.

This course is available for students in grades 11-12.

In order to meet Alberta Education Guidelines, parents must provide permission for students to enroll in this course, due to the explicit religious content.

NOTE: World Religions 30 can be used for post-secondary application (as an elective paired with 2 other accepted 30 level modules, such as Leadership, or a 3-credit course, such as Sociology) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

Visual Arts



(Associated fee to be determined)-**offered at NHS and SHS**

This is the first course of FFCA High School's senior high Visual Arts program which enables students to have a greater level of understanding of what the creation of art forms involves – with critical skills and an appreciation of the role of art and artist in historical and contemporary society. The program concentrates on working with drawing, painting, urban art & sculpture, mixed media and developing an art vocabulary.

**If a student did not take ART 9 and does not have materials, a basic Art supply kit is available to purchase for \$100 or they may purchase individual items as needed. A sketchbook, fine liner and blending stick are provided for this course.*

Art 20 *(Associated fee to be determined)*-**offered at NHS and SHS**

This is the second course of the Visual Arts program which enables students to have a greater level of understanding of what the creation of art forms involves – with critical skills and an appreciation of the role of art and artist in historical and contemporary society. The program concentrates on working with drawing, painting, sculpture, mixed media and further development of contemporary art forms and vocabulary.

**If a student did not take ART 9 and does not have materials, a basic Art supply kit is available to purchase for \$100 or they may purchase individual items as needed. A sketchbook, fine liner and blending stick are provided for this course.*

Prerequisite: 50% or better in Art 10

Art 30 (Associated fee to be determined)-offered at NHS and SHS

This is the third course of FFCA High School's senior high Visual Arts program which enables students to have a greater level of understanding of what the creation of art forms involves – with critical skills and an appreciation of the role of art and artist in historical and contemporary society. The program allows for students to develop their own personal style, art creation and participate in art criticism. In this course, students are required to be self-motivated and work independently. It is expected that the students have a broad range of knowledge and skills from previous art courses.

Prerequisite: 50% or higher in Art 20

**If a student did not take art previously and does not have materials, a basic Art supply kit is available to purchase for \$100 or they may purchase individual items as needed. A sketchbook, fine liner and blending stick are provided for this course.*

NOTE: Art 30 can be used for post-secondary application (as a Fine Arts Approved Course) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

Design Studies 10, 20, 30

Design Studies 10 (Associated fee to be determined)-only offered at NHS

This five-credit course will introduce you to the elements and principles of design through engaging creative projects. You will work hands on to fabricate objects using modeling tools, 3D printing and laser cutting and learn to design graphics, furniture and architectural spaces using digital software and traditional creative media such as pencil and paper. Furthermore, you will access a variety of state-of-the-art software packages such as AutoCAD and Adobe Creative Suite.

Design Studies 20 (Associated fee to be determined)-only offered at NHS

This five-credit course builds on the skills and concepts gained in Design Studies 10. We will create projects using Autodesk Revit Architecture, Autodesk Inventor, Adobe Illustrator and Adobe Photoshop. You will render house plans (complete with elevations, perspectives and detail drawings), produce simple 3D models and create a variety of graphic designs. There is a hands-on portion to this course which will involve the use of modeling tools, 3D printing, CNC laser cutting and CNC vinyl cutting.

Prerequisite: 50% or better in all Design Studies 10 modules

Design Studies 30 (*Associated fee to be determined*)-only offered at NHS

A culmination of the previous Design Studies courses, this class offers an opportunity to guide much of your learning through self-directed research and project development. You will produce design content catered to your specific interests. For example, students may focus on architecture, 3D modelling, laser cutting or any other creative media to produce a professional design portfolio.

Prerequisite: 50% or higher in all Design Studies 20 modules

NOTE: The modules in Design Studies 30 can be used for post-secondary application (as an elective) for many post-secondary programs at many institutions including Mount Royal University and the University of Calgary. It is worth noting if this can be used for programs you are interested in pursuing.

New Media 10, 20, 30**New Media 10:** (*Associated fee to be determined*)-offered at NHS and SHS

This five-credit class focuses on the use of digital technology to produce graphic design, photography, animation and video. Students explore various software to create and manipulate images, moving pictures and sound. You will also gain hands-on experience using powerful tools to engage in printing processes such as vinyl-cut sticker and tee shirt production.

New Media 20 (*Associated fee to be determined*)-offered at NHS and SHS

This five-credit class builds on the content covered in New Media 10 while introducing new skills and offering students greater creative freedom. We will study raster graphics (Adobe Photoshop), vector graphics (Adobe Illustrator), digital photography, printing processes (sticker and tee-shirt production), animation techniques (Adobe Animate) and audio/video production (Adobe Premiere, After Effects).

Prerequisite: 50% or higher in all New Media 10 modules

New Media 30 (*Associated fee to be determined*)-offered at NHS and SHS

A culmination of the previous years of study in New Media, this five-credit course offers students an opportunity to guide much of their learning through self-directed research and project development. We will produce creative content catered to your specific interests. For example, students may develop a short film/animation, produce a portfolio of photographs or design and print graphics on clothing.

Prerequisite: 50% or higher in all New Media 20 modules

NOTE: The modules in New Media 30 can be used for post-secondary application (as an elective) for some post-secondary programs at some institutions including Mount Royal University (but not the University of Calgary). It is worth noting if this can be used for programs you are interested in pursuing.

Work Experience-Teacher Assistants

Grades 11 and 12
Work Experience 20 or 30
(depending on current grade level)
Also, HCS 3000

Work Experience-Teaching Assistants *(No fee applies)*-offered at NHS and SHS

Each semester, FFCA offers a limited number of teaching assistant positions which qualify for work experience credits. A student must have demonstrated a high level of passion and skill in the selected area and should also have shown strong character and leadership which such a position demands. These positions are offered on a competition basis and application is made through the Guidance Counselor.

NOTE: Work Experience 30 can be used for post-secondary application (as an elective) for some post-secondary programs at some institutions including Mount Royal University (but not the University of Calgary). It is worth noting if this can be used for programs you are interested in pursuing.

Summer School and Online Courses

Summer School

FFCA does not offer a summer school program or online courses. Some students elect to complete some of their courses in programs elsewhere. FFCA recommends that summer school or online courses be used ONLY for upgrading courses previously taken. These courses are typically offered over 80 hours compared to the standard 125 which limits their ability to adequately prepare students for subsequent coursework. Courses taken at other schools may impact the attainment of the major FFCA awards and scholarships. As well, CALM 20 must be taken at FFCA as it is integrated with our Leadership 15 program and includes elements of our post-secondary and career planning program.

Students intending on taking summer school or online courses to **upgrade prerequisites** should let the academic guidance counselor know to increase the probability that there will be space in their desired course(s) after the prerequisite performance is met. Proof of summer school completion must be seen in students PASI report **prior to course change request being met.**

Online Courses

FFCA strongly discourages students from taking an online course for which they are already registered with FFCA. If done, then it should be to supplement and enhance the in-class learning. Students will be expected to attend with us, and this may impact their online course registration.