ARDROSSAN JUNIOR SENIOR HIGH SCHOOL
ÉCOLE SECONDAIRE ARDROSSAN

Dream Believe Achieve

Rêvez Croyez Accomplissez

SENIOR HIGH

REGISTRATION HANDBOOK/MANUEL D'INSCRIPTION

2022-2023

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Elk Island Public Schools

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WELCOME

On behalf of the Ardrossan staff, I would like to welcome you to the new school year. We extend a very special welcome to students new to our school and particularly to our grade 10 students who are just starting their high school career.

This registration booklet has been prepared to help you make very important decisions about your future. It contains information on specific courses, programs, diploma requirements, and information about the school. Whatever program you choose, your interests are best served as it provides for a wide range of opportunity. Don't be afraid to ask a lot of questions, as only with the right information will you be able to make informed decisions to ensure success. Registration procedures at Ardrossan Junior Senior High School emphasize an individualized, personal approach. The counsellors and administrators here will be pleased to assist you and your parents/guardians in making your decisions.

As we begin a new school year, we have an opportunity as staff and students to set goals to maintain a tradition of excellence in exemplifying Ardrossan Bison Pride. We are proud of our outstanding results in Alberta Education's Provincial Achievement Tests, Diplomas, and Accountability Pillars. Our students meet or exceed provincial and Elk Island Public Schools targets in high school completion rates, diploma examination participation rates, provincial achievement test results, and diploma examination test results. We congratulate our parents/guardians, staff, and students for their perseverance, hard work, skill and enthusiasm and for contributing to outstanding student performance at our school in academics, athletics, arts and citizenship.

To be successful it is important that you attend classes regularly, be on time, and diligently pursue your studies. We look forward to a terrific year and wish each of you continued success and an enjoyable year at Ardrossan Junior Senior High School.

Miss MJ Nam, Principal

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SCHOOL PROGRAMS

FRENCH IMMERSION

The French Immersion Program is a sequential course of study which encompasses ECS through Grade 12. The French Immersion Program offers students an opportunity to study, speak, listen, read and write in French.

Ardrossan High School offers the following courses at the high school level:

- French Language Arts (FLA) 10/20/30
- Études Sociales 10/20/30
- Mathématiques 10/20/30
- Sciences 10
- Biologie 20/30
- Chimie 20/30

Elk Island Public Schools offers a French Immersion Certificate to those students who successfully complete a minimum of 30 credits in French Immersion, including French Language Arts 30 and at least one other 30-level course in French Immersion.

HONOURS PROGRAM

Ardrossan's honours program offers enrichment, acceleration, and challenge to students. This program helps students prepare for college or university. The honours program might be for you, but it is not for everyone. This program is intended for students who demonstrate the potential for graduating from high school and doing post-secondary education. Students who achieve a mark of 80% or better should consider registering for the honours program.

Honours course offerings at Ardrossan High School **may** include:

- Math 10-1/20-1/30-1
- English 10-1/20-1/30-1
- Social Studies 10-1/20-1/30-1
- Science 10

Transfers into the honours program at the 20 or 30 levels will be considered based on student performance and teacher recommendation.

NOTE: Honours classes may not be offered if there are not sufficient numbers and/or individual timetable availability for planning over three years.

KNOWLEDGE & EMPLOYABILITY (K&E)

K&E courses are designed for students who learn best and achieve success through concrete learning experiences that can be provided by integrating academic skills in occupational contexts. Ardrossan offers K&E courses through inclusive classroom settings. Our counsellors will explain this specialized program to interested applicants. K&E students are working towards a Certificate of High School Achievement.

STUDENT SERVICES

Guidance counsellors are available to assist students with personal and group counselling, academic programming, registration, career exploration, and special program placements. Counsellors also refer students and parents to community agencies and other appropriate resource people. Information about post-secondary programs, scholarships, loans, awards or bursaries, and independent study is maintained in the Student Services area. Counsellors coordinate special writing provisions for provincial and diploma exams. Students may see the counsellors by appointment or on a drop-in basis.

FINE ARTS

Ardrossan High's Fine Arts program develops students' self-awareness and allows them to express creativity in many ways through art, drama and performing arts, and music.

ATHLETICS

Ardrossan athletics delivers a dynamic program that caters to both individual and team sports. Students participate in a program which focuses on developing the whole athlete in year-round competition. Athletes receive quality opportunities in an environment fostering sportsmanship, leadership, fitness, and teambuilding through competitive league and tournament play.

INTRAMURALS

The intramural program is designed to serve those students who want to take part in a recreational activity where competition is a secondary feature. The program offers the following activities for both boys and girls: volleyball, basketball, dodgeball and floor hockey.

INTERSCHOOL ATHLETIC ACTIVITIES

The athletic interscholastic program at Ardrossan High is focused on the development of the individual and athlete as a whole. The program is designed to challenge students to develop personal successes in various athletic activities.

Ardrossan High School competes at a 3A classification in the Edmonton zone and is a standing member of the Alberta Schools Athletic Association. Student athletes may have the opportunity to participate in Edmonton Metro League if there is student interest and coaching expertise available.

Archery	Badminton
Basketball	Cheerleading
Cross Country	Football
Handball	Soccer
Track & Field	Volleyball

LEARNING COMMONS

The school library is an integral part of the school-wide instructional program in which students engage in research activities as part of their class work. Learning activities provide students the opportunity to develop information literacy skills critical in today's dramatically evolving world. The skills of accessing, evaluating, applying and sharing information will help students function effectively as individuals in a media rich society. The Learning Common's collection includes resources in a variety of formats for information and recreation in French and in English.

Students have access to newspapers, magazines, non-fiction, fiction, reference materials, and online resources. Students gain experience using information technologies such as the automated catalogue, word processing, multimedia presentation, Internet databases, and searches in three full-size computer labs. Students have their own log-in to their networked file folder, and access to a division-based Gmail account.

CAFETERIA

Nutritious meals can be purchased in the cafeteria during the lunch break. Our spacious cafeteria also provides ample space for students to eat their home-made lunches.

GENERAL REGISTRATION PROCEDURES

Students earn credits in each high school course they successfully complete. A grade of 50% is considered a minimum pass and is required in order to progress to the next level of a course sequence. For example, a student must earn at least a 50% in English 10-2 before he or she may enroll in English 20-2. Five credit courses are taken every day for one semester. Students may repeat courses but will only earn credit in a repeated course if the original mark was less than 50%.

Registration regulations:

1. Students are responsible for ensuring that they have the necessary pre-requisites for each course in which they register.
2. All Grade 10 students must carry a full timetable which is at least 40 credits.
3. Alberta Graduation requirements is 100 credits.
4. Courses listed are tentative as they depend on sufficient enrollment.

NOTE: The school timetable is based on student requests. Once the schedule is completed, change is difficult, if not impossible. Students who are repeating a course will be registered in that course subject to availability of space. Students (at the appropriate grade level) who have not yet taken the course are given registration priority.

COURSE SELECTION

In the spring, a counsellor will visit our classes and our feeder schools to begin the registration process for the next year. Students and parents who would like to discuss course selections and career paths are encouraged to contact our counsellors at 780-922-2228 to set up an appointment.

TIMETABLING

During the timetabling process, which takes place April through June, the Principal schedules courses based on student selection. Every effort is made to provide students with their requests in a balanced timetable while at the same time ensuring that class enrollments stay within reasonable limits. **Consequently, it is very important that students select their courses carefully, as the timetable is built around student requests.**

TIMETABLE PICK-UP

In late August, students will be able to view their timetable and locker assignments on the PowerSchool Student Portal. Go to the website at www.ardrossan.ca for dates. As well, there will be designated dates in August for course changes posted on the website.

CHOOSING THE RIGHT COURSES

Students should choose courses based upon their abilities, past achievement, interests, plan for post-secondary studies, and potential career choices.

Flow charts with recommended averages for entry into each level of English, Mathematics, Science and Social Studies have been developed and are included in the registration handbook. For example, students who do not achieve above 60% in Grade 9 English Language Arts or Social Studies should register for English or Social Studies 10-2. Likewise, students who do not pass junior high Science or Mathematics will not have the necessary pre-requisite skills and knowledge to take Science 10 or Math 10C and should register for Science 14 and/or Math 10-3.

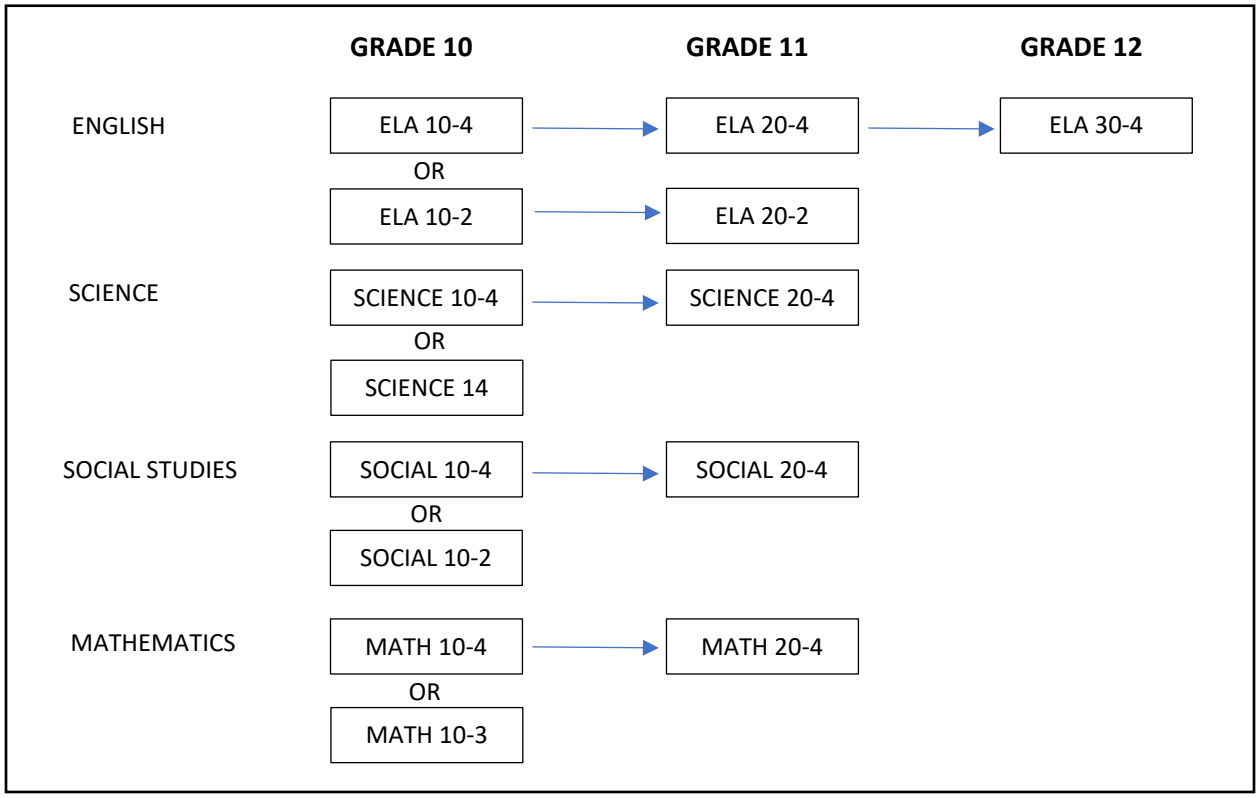
ALBERTA HIGH SCHOOL DIPLOMA REQUIREMENTS

Students earn an Alberta High School Diploma upon the successful completion of the following graduation requirements:

- English 30-1 or 30-2
- Social Studies 30-1 or 30-2
- Physical Education 10
- Career and Life Management (CALM)
- Math 20-1 or Math 20-2 or Math 20-3
- Biology 20 or Chemistry 20 or Physics 20 or Science 20 or Science 24 or a combination of Science 10 and 14
- 10 credits, in any combination, from Career and Technology Studies (CTS), Fine Arts, Second Languages, Physical Education 20 or 30, Knowledge & Employability or Registered Apprenticeship Program (RAP)
- 10 credits at the 30 level **in addition to** English and Social Studies (may include CTS, Work Experience, K & E, RAP, Green Certificate, or any other 30 level course)

KNOWLEDGE & EMPLOYABILITY PROGRAM (K&E)

K & E is for students who have experienced difficulty learning. Students may take academic courses at the 10-4/20-4/30-4 levels. These courses reflect the content of higher-level courses but within a functional, life skills and applied vocational context. Through the occupational component of the program, students are provided with practical experiences which will allow them to explore occupational choices and acquire employability skills. Students who complete K&E courses are eligible for an Alberta High School Certificate of High School Achievement rather than a high school diploma.



Requirements for a Certificate of High School Achievement

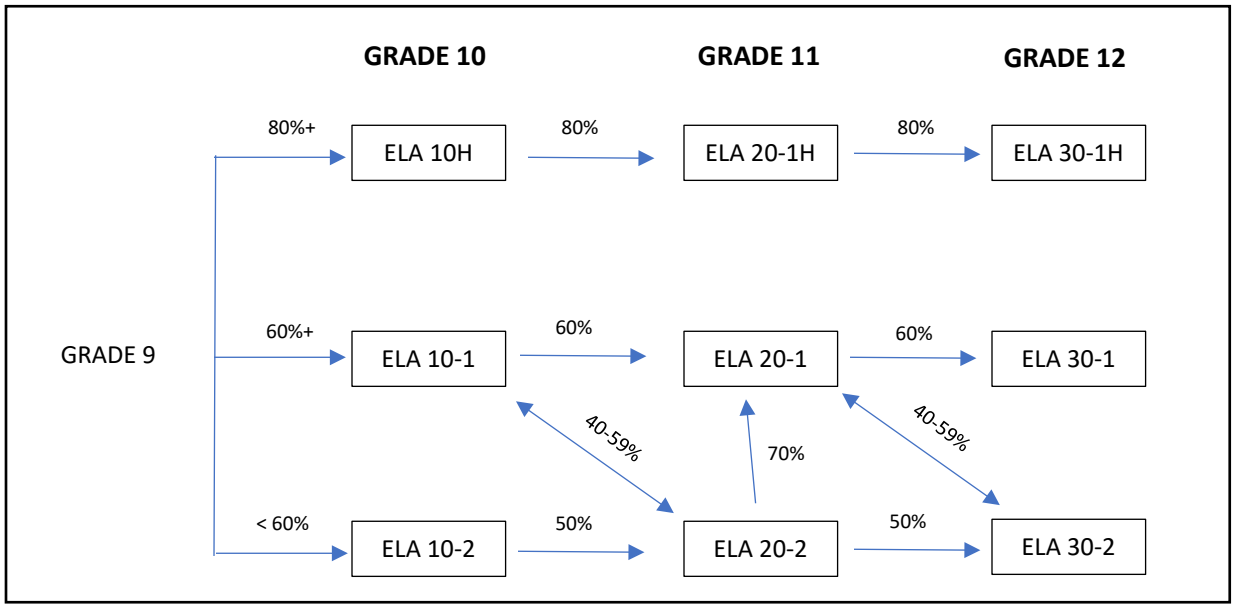
The requirements indicated in this chart are the minimum requirements for a student to attain a Certificate of High School Achievement. The requirements for entry into post-secondary institutions and workplaces may require additional courses.

80 Credits[1] **Including the Following:**
English Language Arts 20-2 or 30-4
Mathematics 10-3 or 20-4
Science 14 or 20-4
Social Studies 10-2 or 20-4
Physical Education 10 (3 Credits)
Career and Life Management (CALM) (3 Credits)

5 credits in - 30-level Knowledge and Employability Occupational course or - 30-level Career and Technology Studies (CTS) or - 30-level locally developed course with an occupational focus AND 5 credits in - 30-level Knowledge and Employability Workplace Practicum course or - 30-level Work Experience course[2] or - 30-level Green Certificate course[3] - Special Projects 30
OR
5 credits in a 30-level Registered Apprenticeship Program (RAP) course[4]

[1]To quality for a Certificate of High School Achievement, students must be enrolled in a minimum of one academic Knowledge and Employability course.
[2]Refer to the Off-Campus Education Guide for Administrators, Counsellors and Teachers, 2000 for additional information.
[3]Refer to the following website for additional Green Certificate information:
http://www.education.gov.ab.ca/k_12/curriculum/bySubject/green/green_pofs.pdf
[4]Refer to the Registered Apprenticeship Program Information Manual, 2004 for additional information.

ENGLISH



In English Language Arts courses, students are given opportunities to demonstrate their increasing confidence in their use of language and their understanding and appreciation of literature. This is achieved through the integration of the six Language Arts strands which include reading, writing, speaking, listening, viewing and representing. These skills and concepts are developed at each grade level; however, the content of the material is increasingly complex. Students are expected to be able to demonstrate a more sophisticated understanding at each level.

Three course sequences in English are offered at Ardrossan High School. Each level has been developed to meet the needs, interests, attitudes and future plans of individuals. All these points need to be considered carefully when students are selecting their English programs. Although movement between

course sequences is possible depending on the student's achievement, it is important to note that each has a different focus and set of expectations. The student's initial placement will be based on Grade 9 marks and career goals.

English at the 30 level is required for the Alberta High School Diploma.

ELA 10-1/20-1/30-1

(5 credits each)

Recommended: ELA 10-1=60% or better in Language Arts 9; ELA20-1/30-1=60% or better in previous course in sequence.

This is a demanding program designed for students with strong reading and communications skills and an interest in literature. Successful completion of ELA 30-1 is a requirement for entrance to university and some other post-secondary programs. A variety of approaches and resources are used in achieving the goals of each program. The content may be taught through literary genres such as novels, short stories, essays, poetry and drama—Shakespearean and/or modern. Themes such as relationships, gender stereotypes, empathy, societal virtues, existentialism etc. are explored.

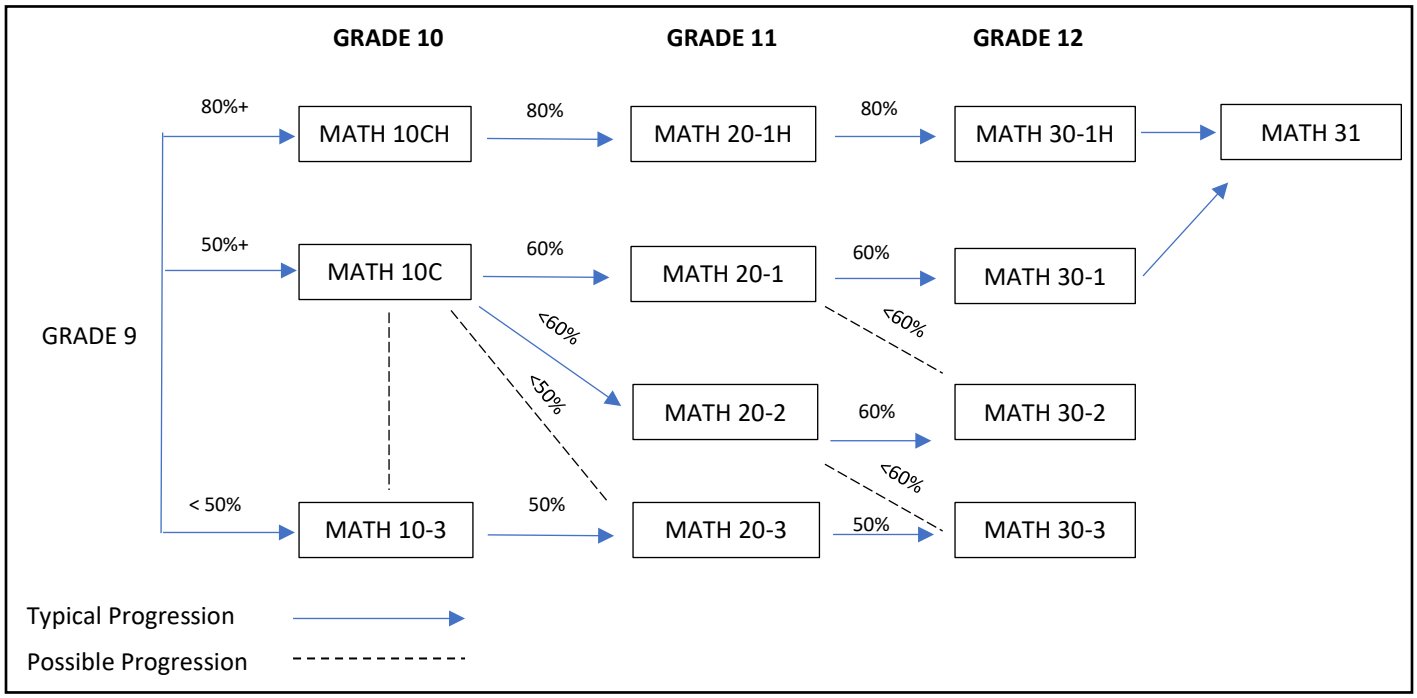
ELA 10-2/20-2/30-2

(5 credits each)

Recommended: Eng. 10-2=<60% in Language Arts 9; ELA 20-2/30-2≥50% in previous course in sequence.

This program is designed to help students build confidence as they develop their English Language Arts skills for school success, future careers and life goals. Successful completion of this program provides access to most certificate/diploma programs in university, colleges and technical institutions.

MATHEMATICS



The high school mathematics program includes three course sequences. Students are encouraged to consider their previous achievement in mathematics, current interests, and future plans when deciding on a course sequence. The math sequences are intended to allow more students to gain entry into post-secondary and to allow for students to transfer from one sequence to another more easily with the intent of providing flexibility in programming should students' career goals or success within a given sequence change. It is important to note that students can graduate with Math 30-1 via two distinct pathways as shown below. Students should choose the pathway that allows for success at the Grade 10 and 11 levels.

The—1 sequence is an accepted pre-requisite to careers such as engineering, kinesiology, forestry, computer science or secondary teacher. This sequence is particularly suited to students who excelled in the algebra portion of Math 10C and for those students who wish to complete Math 31. Although not required for graduation, students are encouraged to complete a 30-level mathematics course as these students have a broader range or career options.

10C→20-1→30-1

The—2 sequence is an accepted pre-requisite to careers, such as elementary teacher, civil engineering technician, medical technologies, nursing, paramedic and some apprenticeships. This pathway is particularly suited to students who found the algebra portion (factoring, radicals, systems of equations) of Math 10C challenging and would benefit from the extra time this pathway provides.

10C→20-2→30-2

The—3 sequence is an accepted pre-requisite to careers such as graphic communications, film and video production, machinist technician, travel and tourism, automotive services, EMT, welding, millwright and cosmetology.

10-3→20-3→30-3

Both 30-1 and 30-2 may be accepted for entrance into university depending on the faculty and post-secondary institution to which you are applying. For more information on post-secondary pre-requisites go to https://alis.alberta.ca/explore-education-and-training/learn-about-transferring-and-admissions/

Note: This website is updated periodically, so please refer to it often.

Math 10-4 and 20-4 are a continuation of the Knowledge and Employability program.

MATHEMATICS 10C

(5 credits)

Recommended: 50% or higher in Math 9

Mathematics 10C builds on key concepts from Mathematics 7-9. Learning through problem solving is the key focus. Students develop and refine their own way of solving problems and show their work in a variety of ways. Students use mathematical vocabulary to explain how they solve problems and continue to acquire the mathematical processes of communication, making connections, mental mathematics, and visualization, and the use of technology as a tool.

The topics in Mathematics 10C include:

- Measurement: develop special sense and proportional reasoning
- Algebra and Number: develop algebraic reasoning and number sense
- Relations and Functions: develop algebraic and graphical reasoning through the study of relations

MATHEMATICS 20-1

(*5 credits*)

Recommended: 60% or higher in Math 10C

Mathematics 20-1 builds on key concepts from Mathematics 10C. Learning through problem solving is the key focus. Students develop and refine their own way of solving problems and show their work in a variety of ways. Students use mathematical vocabulary to explain how they solve problems and continue to acquire the mathematical processes of communication, making connections, mental mathematics, and visualization, and the use of technology as a tool.

The topics in Mathematics 20-1 include:

- Algebra and Number: develop algebraic reasoning and number sense
- Trigonometry: develop trigonometric reasoning
- Relations and Functions: develop algebraic and graphical reasoning through the study of relations

MATHEMATICS 30-1

(5 credits)

Recommended: 60% or higher in Math 20-1

Mathematics 30-1 builds on key concepts from Mathematics 20-1. A full understanding of Math 20-1 concepts is required. Learning through problem solving is the key focus. Students develop and refine their own way of solving problems and show their work in a variety of ways. Students use mathematical vocabulary to explain how they solve problems and continue to acquire the mathematical processes of communication, making connections, mental mathematics, and visualization, and the use of technology as a tool.

The topics in Mathematics 30-1 include:

- Trigonometry: develop trigonometric reasoning
- Relations and Functions: develop algebraic and graphical reasoning through the study of relations
- Permutations, Combinations and Binomial Theorem: develop algebraic and numeric reasoning that involves combinatorics

MATHEMATICS 31

(5 credits)

Recommended: 65% in Math 30-1

Math 30 may be taken concurrently with or prior to Math 31. Math 30-2 is not a suitable prerequisite for Math 31. Mathematics 31 is a course in calculus, vectors and electives intended for students who have high mathematical ability. Consider Math 31 if your post-secondary program includes higher math (programs like Business, Engineering or Computer Science) to better prepare you to do well in those courses.

MATHEMATICS 20-2

(5 credits)

Mathematics 20-2 builds on key concepts from Mathematics 10C. Learning through problem solving is the key focus. Students develop and refine their own way of solving problems and show their work in a variety of ways. Students use mathematical vocabulary to explain how they solve problems and

continue to acquire the mathematical processes of communication, making connections, mental mathematics, visualization and the use of technology as a tool.

The topics in Mathematics 20-2 include:

- Measurement: develop special sense and proportional reasoning
- Geometry: develop special sense
- Number and logic: develop number sense and logical reasoning
- Relations and Functions: develop algebraic and graphical reasoning through the study of relations
- Research Project: develop an appreciation of the role of mathematics in society

MATHEMATICS 30-2

(5 credits)

Mathematics 30-2 builds on key concepts from Mathematics 20-2. Learning through problem solving is the key focus. Students develop and refine their own way of solving problems and show their work in a variety of ways. Students use mathematical vocabulary to explain how they solve problems and continue to acquire the mathematical processes of communication, making connections, mental mathematics, and visualization, and the use of technology as a tool.

The topics in Mathematics 30-2 include:

- Logical Reasoning: develop logical reasoning
- Probability: develop critical thinking skills related to uncertainty
- Relations and Functions: develop algebraic and graphical reasoning through the study of relations
- Research Project: develop an appreciation of the role of mathematics in society

MATHEMATICS 10-3

(5 credits)

Recommended: Less than 50% in Math 9 or completion of the Math K & E Grade 9 curriculum.
Mathematics 10-3 builds on key concepts from Mathematics 7-9. Learning through problem solving is the key focus. Students develop and refine their own way of solving problems and show their work in a variety of ways. Students use mathematical vocabulary to explain how they solve problems and continue to acquire the mathematical processes of communication, making connections, mental mathematics, and visualization, and the use of technology as a tool.

The topics in Mathematics 10-3 include:

- Measurement: develop special sense through direct and indirect measurement
- Geometry: develop special sense
- Number: develop number sense and critical thinking skills
- Algebra: develop algebraic reasoning

MATHEMATICS 20-3

(5 credits)

Recommended: 50% or higher in Math 10-3
Mathematics 20-3 builds on key concepts from Mathematics 10-3. Learning through problem solving is the key focus. Students develop and refine their own way of solving problems and show their work in a variety of ways. Students use mathematical vocabulary to explain how they solve problems and

continue to acquire the mathematical processes of communication, making connections, mental mathematics, and visualization, and the use of technology as a tool.

The topics in Mathematics 20-3 include:

- Measurement: develop special sense through direct and indirect measurement
- Geometry: develop special sense
- Number: develop number sense and critical thinking skills
- Algebra: develop algebraic reasoning
- Statistics: develop statistical reasoning

SCIENCE

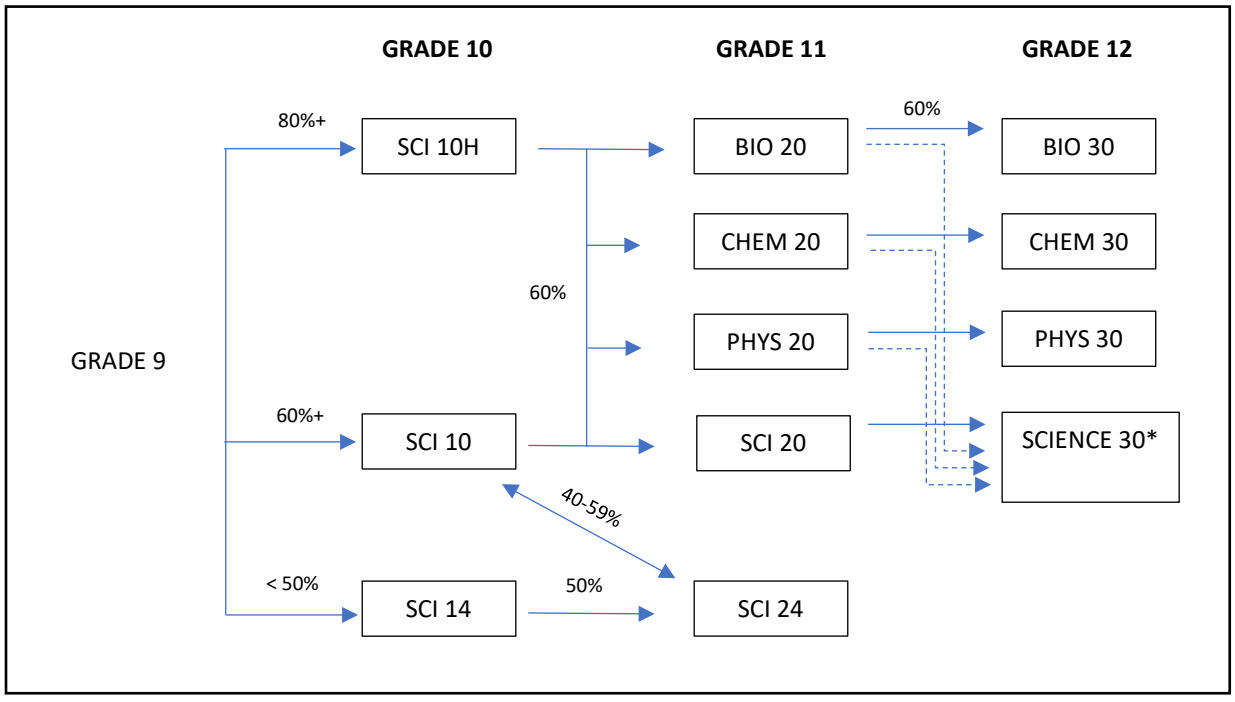
Choices in science programs at the high school level are based on achievement in the pre-requisite levels in science and math.

Note: In order to graduate from high school, all students must have science at the 20 level. (Students who take Science 14 and then Science 10 also meet the minimum science requirement for a high school diploma). Most university programs require at least one science at the 30 level.

Science 10 is designed to incorporate Biology, Chemistry and Physics so that students obtain a background in all three sciences. The science department highly recommends that **ALL** Science 10 students enroll in all three 20 level science courses: Biology 20, Chemistry 20 and Physics 20. We feel it is extremely important to keep future academic options and career opportunities open.

Grade 10 Science Registration Flowchart:

Students who finish Science 9 with 61-79% → Science 10
Students who finish Science 9 with less than 50% or who write the K & E 9 PAT → Science 14



**Students who have achieved a final mark of 50% or greater in any one of Biology 20, Chemistry 20, Physics 20 or Science 20 may enroll in Science 30.*

SCIENCE 10

(5 credits)

Recommended: 60% or higher in Grade 9 science and math is strongly recommended.

This is the first course in the 10-20-30 sequence of academic courses. In this course students will study the three main disciplines of Science (Biology, Chemistry, and Physics) with a focus on energy and matter.

- Unit 1: Students will study atomic theory, learn to write names and formulas for chemical compounds, as well as write and predict the products of chemical reactions.
- Unit 2: Students will learn about the properties of velocity, acceleration, energy, and work, all within the context of energy flow in technological systems.
- Unit 3: Students will learn about cell theory and biological processes such as cellular transport, respiration, and photosynthesis all with a focus on plant cells and systems.
- Unit 4: This section deals with energy flow in global systems and covers such topics as solar and thermal energy as well as climate change.

This course is a prerequisite to Science 20, Biology 20, Chemistry 20, and Physics 20 and much of the knowledge gained in Science 10 will be built upon in these courses.

SCIENCE 20

(5 credits)

Pre-requisite: 50% or higher in science 10 is strongly recommended.

What changes do we see on Earth? Students in Science 20 extend their study of the biological, chemical, physical and Earth sciences and apply their knowledge to real-life problems. They investigate Newton's laws of motion, the properties of hydrocarbons and the chemistry of solutions. They examine evidence of how Earth's surface, climate and life forms have changed and continue to change and cycle in response to natural and human actions.

- Unit 1: Chemical Changes - Students will examine how chemical changes involve a change in energy, how numerous useful materials are produced, and will develop an understanding of concentrations of aqueous solutions, oxidation-reduction (redox) processes and the characteristics of hydrocarbons. .
- Unit 2: Changes in Motion - Students will learn the effects of force on motion in technological applications and how these applications can lead to advancements in safely and innovation. Students will also investigate the concepts of displacement, velocity, acceleration, force, momentum and mechanical energy and consider the relationships among them.
- Unit 3: The Changing Earth - Students will learn the effects of force on motion in technological applications and how these applications can lead to advancements in safely and innovation. Students will also investigate the concepts of displacement, velocity, acceleration, force, momentum and mechanical energy and consider the relationships among them.
- Unit 4: Changes in Living Systems - Students will learn the effects of force on motion in technological applications and how these applications can lead to advancements in safely and innovation. Students will also investigate the concepts of displacement, velocity, acceleration, force, momentum and mechanical energy and consider the relationships among them.

SCIENCE 30

(5 credits)

Pre-requisite: 50% or higher in a 20-level science

Science 30 consists of four units of study:

- Unit 1: Living Systems Respond to Their Environment
- Unit 2: Chemistry and the Environment
- Unit 3: Electromagnetic Energy
- Unit 4: Energy and the Environment

SCIENCE 14

(5 credits)

This is a general science course covering properties of matter (basic chemistry), energy transfer (basic physics), life and lifestyle (basic biology), and matter and energy in the ecosystem (basic ecology).

SCIENCE 24

(5 credits)

Pre-requisite: 50% or higher in Science 14

This is a general science course that is divided into four units of study.

- Unit 1: Covers applications of matter and chemical change.
- Unit 2: Deals with energy conversion systems.
- Unit 3: Deals with disease defense and human health.
- Unit 4: Focuses on motion change and transportation safety.

BIOLOGY 20

(5 credits)

Recommended: 60% or higher in Science 10 is strongly recommended.

This course builds on concepts introduced in junior high science and Science 10. The focus is on helping students understand the diversity of life and the changes which occur in biological systems.

- Unit 1: You will discover how matter and energy are cycled through the biosphere.
- Unit 2: Emphasizes photosynthesis and cellular respiration in living systems.
- Unit 3: Examines the ecosystems in the biosphere and how organisms evolve to survive in the various ecosystems.
- Unit 4 illustrates how you interact with your environment by studying various systems of the human body.

BIOLOGY 30

(5 credits)

Recommended: 60% or higher in Biology 20 is highly recommended.

This course builds upon biology concepts within four units of study:

- Unit 1: Nervous and Endocrine Study
- Unit 2: Reproduction and Development
- Unit 3: Cell Division, Genetics and Molecular Biology
- Unit 4: Population and Community Dynamics. This is the final high school course in biology and is designed to both educate students about the natural world and to prepare them for post-secondary studies in the field of biology.

CHEMISTRY 20

(5 credits)

Recommended: 60% or higher in Science 10. A strong background in Math and successful completion of Math 10 is strongly recommended as well. This course builds on chemistry concepts introduced in junior high science and Science 10. Students will learn about the properties of matter and chemical reactions through four units of study.

- Unit 1: Focuses on the diversity of matter and the nature of chemical bonding.
- Unit 2: Deals specifically with gases as a form of matter and their unique properties.
- Unit 3: Deals with solutions and acids and bases.
- Unit 4: Deals with qualitative and quantitative relationships in chemical reactions. Much of the problem solving in this course requires the use of algebraic equations, therefore a strong background in mathematics is essential for success.

CHEMISTRY 30

(5 credits)

Recommended: 60% or higher in Chemistry 20. Successful completion of Math 20-1 is also highly recommended.

This course expands on concepts and skills introduced in Chemistry 20 and consists of three units. It is important that students have a strong background in quantitative relationships in chemical reactions in order to be successful in Chemistry 30.

- Unit 1: Focuses on Thermochemistry, which is the study of how heat is absorbed or released in chemical systems.
- Unit 2: Electrochemical systems are explored, and oxidation-reduction reactions are analyzed.
- Unit 3: Equilibrium reactions in acid-base chemistry are studied.

PHYSICS 20

(5 credits)

Recommended: 60% or higher in Science 10 and a strong background in Math 10-C is highly recommended.

This is the first course in the 20-30 academic sequence and builds on concepts introduced in Science 10. The focus is in helping students understand the scientific principles behind the natural events they experience and the technology they use in their daily lives. Energy is the key concept to all units in Physics 20. Topics include principles of motion, circular motion, investigation of gravity, energy transfer by means of mechanical waves, characteristics of waves in the context of sound and light. Experimentation and problem solving are essential components of the course; therefore, a sound mathematics background is recommended.

PHYSICS 30

(5 credits)

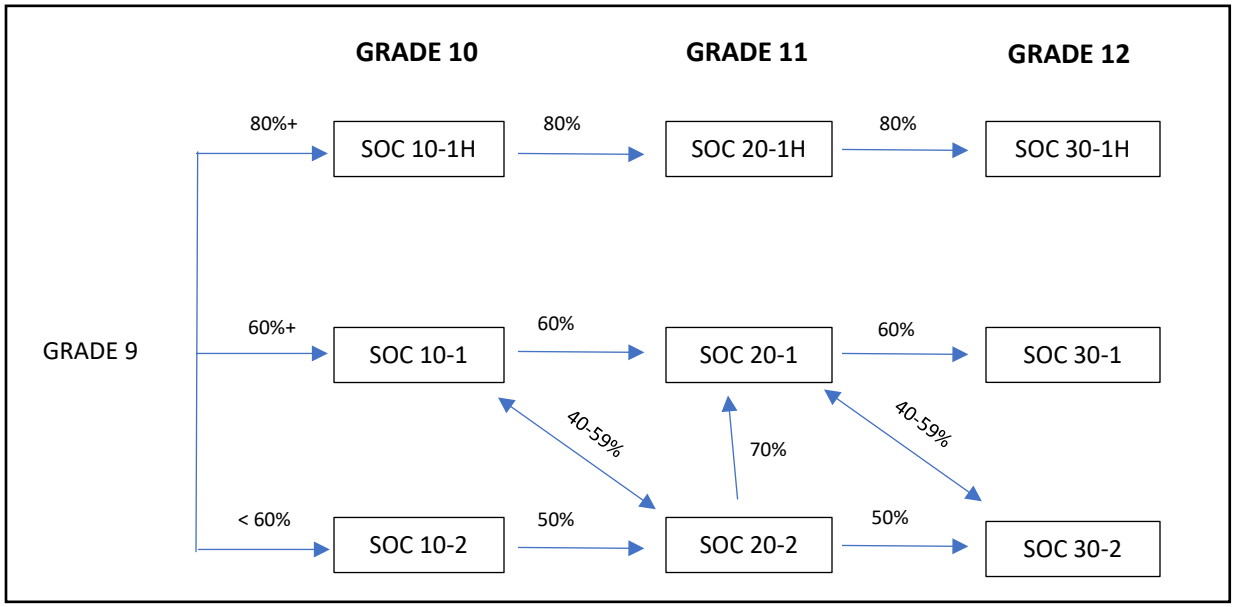
Recommended: 60% or higher in Physics 20 and successful completion of Math 20-1 is highly recommended.

This course expands upon concepts covered in Physics 20 and consists of 5 units. It is important that students have a strong background in mathematics.

- Unit 1: Covers conservation of matter and energy in the universe.
- Unit 2: The electrical nature of matter is investigated.

- Unit 3: Electromagnetic radiation, the magnetic nature of matter and their relation to technology is explored.
- Unit 4: Models are used to explore the nature of the atom.
- Unit 5: A restricted study of the structure and radioactive nature of matter is conducted.

SOCIAL STUDIES



All students must take Social Studies 10-1/20-1/30-1 or 10-2/20-2/30-2.
Social at the 30 level is required for the Alberta High School Diploma.

SOCIAL STUDIES 10-1
(5 credits)
Recommended: 60% in Social 9
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 will examine the relationships between globalization, citizenship and identity to enhance skills for citizenship in a globalizing world. The infusion of multiple perspectives will allow students to examine the effects of globalization on peoples in Canada and throughout the world, including the impact on Aboriginal and Francophone communities.

SOCIAL STUDIES 20-1
(5 credits)
Recommended: 60% in Social 10-1
Social Studies 20-1 explores the complexities of nationalism in Canadian and international contexts and includes the study of 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 how nationalism contributes to the citizenship and identities of

peoples in Canada. Case studies include nationalism in the French Revolution, World War I, and World War II and how nationalism has shaped Canadian identity including aboriginal and French perspectives.

SOCIAL STUDIES 30-1

(5 credits)

Recommended: 60% in Social 20-1

Students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism. An analysis of various political and economic systems will allow students to assess the viability of the principles of liberalism. Developing understanding of the roles and responsibilities associated with citizenship will encourage students to respond to emergent global issues.

SOCIAL STUDIES 10-2

(5 credits)

Recommended: <60% in Social 9

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 the students to examine the effects of globalization on the 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.

SOCIAL STUDIES 20-2

(5 credits)

Recommended: 50% in Social 10-2 or <60% in Social 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 other locations. Examples of nationalism, ultranationalism, supranationalism, and internationalism will be examined from multiple perspectives. Students will develop personal and civic responses to emergent issues related to nationalism. Case studies include nationalism in the French Revolution, World War I, and World War II and how nationalism has shaped Canadian identity including aboriginal and French perspectives.

SOCIAL STUDIES 30-2

(5 credits)

Recommended: 50% in Social 20-2 or <60% in Social 20-1. 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.

FRENCH IMMERSION/Le Programme d'Immersion Française

The French Immersion Program is a sequential course of study which encompasses ECS through Grade 12. The French Immersion Program is an opportunity for students to study, speak, listen, read and write in French.

FRENCH IMMERSION CERTIFICATE

Elk Island will award a French Immersion Certificate to students who:

- complete at least two French courses (one of which must be FLA) to the 30 level
- At least 30 credits in French Immersion (6 Courses) – 2 per year, 1 being FLA
    - French Language Arts - Science
    - Études Sociales - Biologie
    - Mathematiques - Chimie
- French Language Proficiency Exam (DELF)
    - Students may write the Diplome d'etudes en langue francaise (DELF B2 Intermediate Level)
    - (Certificate in French Language Studies)
    - Official diploma awarded by the National Ministry of Education of France and recognized around the world.
    - Evaluation of a French proficiency Based on 4 competence levels:

(Grade 12 FI students will participate in the B2 level in April of their grade 12 year)

A Basic User	**B Independent User**
A1 Beginner	**B1 Pre-intermediate**
A2 Elementary	**B2 Intermediate**

FRENCH LANGUAGE ARTS

10-1 (FLA 10-1)

(5 crédits)

Prérequis: 50% en French Language Arts 9

Le programme de français se pose pour but de développer les habiletés langagières, c'est-à-dire d'amener les étudiants à savoir lire et écouter, à savoir écrire et parler. Pour ce faire, les étudiants, à travers de divers contextes et unités, apprendront à développer leurs habiletés en utilisant différents types de discours. On étudiera aussi une pièce de théâtre, quelques nouvelles littéraires et quelques œuvres cinématographiques. Les étudiants seront évalués sur leur travail oral et écrit.

FRENCH LANGUAGE ARTS

20-1 (FLA 20-1)

(5 crédits)

Prérequis: 50% en French Language Arts 10-1

Le programme de français se pose pour but de développer les habiletés langagières, c'est-à-dire d'amener les étudiants à savoir lire et écouter, à savoir écrire et parler. Pour ce faire, les étudiants, à travers de divers contextes et unités, apprendront à développer leurs habiletés en utilisant différents types de discours. On étudiera aussi deux romans et quelques œuvres cinématographiques. Les étudiants seront évalués sur leur travail oral et écrit.

FRENCH LANGUAGE ARTS
30-1 (FLA 30-1)
(5 crédits)
Le programme de français se pose pour but de développer les habiletés langagières, c'est-à-dire d'amener les étudiants à savoir lire et écouter, à savoir écrire et parler. Pour ce faire, les étudiants, à travers de divers contextes et unités, apprendront à développer leurs habiletés en utilisant différents types de discours. On étudiera aussi une pièce de théâtre, quelques textes littéraires et quelques œuvres cinématographiques. Les étudiants seront évalués sur leur travail oral et écrit.
Pour réussir son cours de French Language Arts 30-1 il faut passer son examen de Diplôme avec succès.

ÉTUDES SOCIALES 10-1
(5 crédits)
Recommandé: 60% en Études Sociales 9 Les étudiants exploreront de multiples perspectives sur les origines de la mondialisation, ainsi que les impacts locaux, nationaux et internationaux de la mondialisation sur les terres, les cultures, les économies, les droits humains et la qualité de vie. Les étudiants examineront les relations et les habiletés nécessaires pour la citoyenneté et l'identité dans un monde global. Examinez multiples perspectives aideront les étudiants à comprendre les effets de la mondialisation sur le Canada et le monde, en incluant l'impact sur les communautés autochtones et francophones.

ÉTUDES SOCIALES 20-1
(5 crédits)
Recommandé: 60% en Études Sociales 10-1
Le cours d'Études Sociales 20-1 explore la complexité du nationalisme dans les contextes canadien et international, et il inclue l'étude de l'origine du nationalisme, ainsi que les influences du nationalisme sur les relations régionales, internationales et globales. L'infusion de perspectives multiples permettra aux élèves de developer une compréhension du nationalisme et comment le nationalisme contribue à la citoyenneté et à l'identité des habitants du Canada. Les études de cas incluent la Révolution française, la Première Guerre Mondiale et la Deuxième Guerre Mondiale, et comment le nationalisme a façonné l'identité canadienne; incluant les perspectives autochtones et canadienne-française.

ÉTUDES SOCIALES 30-1
(5 crédits)
Recommandé: 60% en Études Sociales 20-1
Les étudiants exploreront les origines et les complexités des idéologies et examineront les multiples perspectives à propos des principes du libéralisme classique et moderne. Une analyse de divers systèmes politiques et économiques permettra aux étudiants d'évaluer la viabilité des principes du libéralisme. En développant la compréhension des rôles et des responsabilités associés à la citoyenneté, on encouragera les étudiants à réagir aux questions mondiales émergentes.
Pour réussir son cours d'Études Sociales 30-1, il faut passer son examen de Diplôme avec succès.

MATHÉMATIQUES 10C

(5 Crédits)

Prérequis : Une moyenne de 50% en Mathématiques 9

Le cours de mathématiques 10 continue l'approfondissement des concepts étudiés en mathématiques de la 7e à la 9e année. L'apprentissage par la résolution de problèmes est un des buts principaux. Les élèves développent de nouvelles stratégies pour montrer et résoudre des problèmes de diverses façons. Les élèves acquièrent et développent leurs habiletés à communiquer, à visualiser et à raisonner en termes mathématiques tout en établissant des liens entre les mathématiques et leurs applications.

Les sujets d'étude incluent:

- Mesure : Développer le sens spatial et le raisonnement proportionnel.
- Algèbre et nombre : Développer le raisonnement algébrique et le sens du nombre.
- Relations et fonctions : Développer le raisonnement algébrique et numérique à l'aide de l'étude des relations.

MATHÉMATIQUES 20-1

(5 Crédits)

Prérequis : Une moyenne de 60% en Mathématiques 10C est suggérée

Le cours de mathématiques 20-1 continue l'approfondissement des concepts étudiés lors du cours de Mathématiques 10C. L'apprentissage par la résolution de problèmes est un des buts principaux.

On s'attend que l'élève peut développer un raisonnement mathématique, choisir des outils technologiques pour apprendre et pour résoudre des problèmes, démontrer une habileté en calcul mental et en estimation et communiquer pour bien exprimer leur compréhension. Les élèves qui aiment prendre des risques et qui peuvent persévérer lors de la résolution de problèmes deviendront des élèves qui réussiront dans ce cours.

Les sujets d'étude incluent:

- Trigonométrie: Développer le raisonnement trigonométrique.
- Algèbre et nombre : Développer le raisonnement algébrique et le sens du nombre.
- Relations et fonctions: Développer le raisonnement algébrique et numérique à l'aide de l'étude des relations.

MATHÉMATIQUES 30-1

(*5 crédits*)

Recommandations : 60 % ou plus en mathématiques 20-1

Mathématiques 30-1 s'appuie sur les concepts clés de Mathématiques 20-1. Il faut une compréhension approfondie des concepts de Mathématiques 20-1. L'apprentissage par résolution de problèmes est le but principal. Les étudiants développent et affinent leurs façons de résoudre les problèmes et montrent leur travail dans une variété de façons. Les étudiants utilisent le vocabulaire mathématique pour expliquer comment ils résolvent des problèmes et continuent d'acquérir les processus mathématiques de : la communication, faire des liens, le calcul mental et la visualisation et l'utilisation de la technologie comme un outil.

Les sujets en mathématiques 30-1 comprennent :

- La trigonométrie : développer le raisonnement trigonométrique
- Les relations et fonctions : développer le raisonnement algébrique et graphique à travers l'étude des relations
- Les permutations, les combinaisons et le binôme de Newton: développer le raisonnement algébrique et numérique

SCIENCES 10

(5 crédits)

Recommandé: 60% en Sciences 9

La Science 10 insiste sur trois concepts clés de la science: l'énergie, la matière et le changement. Les quatre modules étudiés sont:

- Module 1: L'énergie, la matière et les transformations chimiques.
- Module 2: La flux d'énergie dans les systèmes technologiques.
- Module 3: Le cycle de la matière dans les systèmes vivants.
- Module 4: La flux d'énergie dans les systèmes planétaires.

BIOLOGIE 20

(5 crédits)

Ce cour de biologie est une continuation des concepts appris en Sciences 10 et en sciences au niveau «junior high». Le cour se concentre à aider les élèves à mieux comprendre la diversité biologique et les variations qui se passent dans les systèmes biologiques. Le cour comprend 4 unités:

- Unité A: L'échange d'energie et de la matière dans la biosphère
- Unité B: Les écosystemes et l'evolution des populations
- Unité C: La photosynthèse et la respiration cellulaire
- Unitè D: Les structures de l'organisme humain

BIOLOGIE 30

(5 crédits)

Recommandé: 60% en Biologie 20

Ce cours continue les concepts discutés en Biologie 20. Les quatre unités se concentrent sur les thèmes de changement, de diversité et de équilibre. Les quatre unités sont:

- Unité A: Les systèmes nerveux et endocrinien
- Unité B: La reproduction et le dévelopement
- Unité C: La division cellulaire, la génétique et la biologie moléculaire
- Unité D: La dynamique des populations et des communautés

CHIMIE 20

(5 crédits)

Ce cour de chimie est une continuation des concepts appris en Sciences 10 et en Science au niveau «junior high». Le cour se concentre à aider les élèves à mieux comprendre l'essence de la matière et comment elle change relativement aux systèmes chimiques. Le cours comprend 4 unités:

- Unité A: La diversité de la matière et les liasons chimiques.
- Unité B: Les gaz: une forme de la matière
- Unité C: Les solutions, les acides et les bases
- Unité D: Les relations quantitives dans les transformations chimiques.

CHIMIE 30
(5 crédits)
Recommandé: 60% en Chimie 20 et Mathématiques 20
Le cours de Chimie 30 élargit les concepts et les habilités présentés en Sciences 10 et en Chimie 20. Ce cours de chimie comprend quatre modules d'études:

- Unité A: Transformations thermochimiques
- Unité B: Transformations électrochimiques
- Unité C: Transformations chimiques des composés
- Unité D: Équilibre chimique axé sur les systémes acide-base

PERSONAL DEVELOPMENT

ABORIGINAL STUDIES 10
(5 credits)
No prerequisite
Aboriginal Studies 10 is a provincial course designed for ALL Alberta students. The purpose of the course is to engage, enlighten and educate students about the historical, cultural and societal issues facing Aboriginal peoples in Canada and across the globe. Aboriginal Studies 10 affords students the opportunity to acknowledge and understand Origin and Settlement Patterns, Aboriginal Worldviews, Political and Economic Issues and Aboriginal Symbolism and Expression. As part of the course students may be participating in a variety of outdoor activities including trips to Elk Island National Park, Strathcona Wilderness Center and Blackfoot Provincial Park.

Career & Life Management (CALM)
(3 credits)
CALM is a required course for the Alberta High School Diploma.
Recommended: None
This course is designed to assist students to organize and shape their life occupationally, financially and socially. The core curriculum is structured into six themes:

- Self-Management
- Well-Being
- Relationships
- Careers and the World of Work
- Independent Living
- Human Sexuality
- Optional modules include:
- Dealing with Crisis
- Entrepreneurship
- Consumer and Investment Choices
- Cultural Bridges

In addition to CALM, students can complete the following module:

WORKPLACE SAFETY SYSTEMS HCS 3000
(1 credit)
This is a mandatory 1 credit course for all senior high students taken within the CALM course.

PHYS. ED. 10/CALM
(3 credits PE/3 credits CALM)

PHYS. ED. 20/CALM
(3 credits PE/3 credits CALM)
Please refer to PE 10/20 & CALM

PHYSICAL EDUCATION

PHYSICAL EDUCATION 10*/20
(5 credits)
Physical Education 10 is a required course for the Alberta High School Diploma.
This course provides knowledge about the health benefits of physical education through a variety of activities. The program is intended to encourage students to participate in active living while interacting positively with others. Students will acquire skills through games units, individual activities, aquatics and outdoor pursuits. A fee will be assessed for off-site learning and transportation.

PHYSICAL EDUCATION 30
(5 credits)
Pre-requisite: 50% in Physical Education 20
Physical Education 30 allows students to gain awareness and knowledge of a variety of lifetime sports and leisure pursuits and understand the values of overall fitness and well-being. A majority of classes are field trips off school property and will extend beyond normal class time. There is no gym time allotted for the course. A fee is charged to offset the cost of these activities and transportation. The course content focuses on fitness and nutrition and off-site activities which include spin classes, Muay Thai, jujitsu, water polo, archery, cross fit, rock climbing, hockey, broomball, cross country skiing, golf, lacrosse and ultimate Frisbee, just to name a few. Students will be expected to fulfill leadership hours in the school and community and will be expected to complete written assignments throughout the term.

PERSONAL FITNESS 10
(5 credits)
Personal Fitness 10 is an entry level course which will introduce the student athlete to the basics of human movement and performance through theory and practice, training principles, performance enhancement and several other topics related to the athlete. Units include training principles, performance enhancement, sports injuries, performance evaluation, sports studies and personal development.

PERSONAL FITNESS 20

(5 credits)

Personal Fitness 20 is for students who have completed Personal Fitness 10. The course encourages the student athlete to expand his or her knowledge base in the areas of training principles, nutrition, performance enhancement, sociology of sport, technical skills and game performance.

PERSONAL FITNESS 30

(5 credits)

Personal Fitness 30 offers advanced modules in human movement, training and conditioning, and fitness leadership. Students will gain an appreciation for how biomechanics can impact the health and wellness of individuals and their families, peers and communities. Students will gain fundamental skills for assessing exercise intensity and learn training principles to increase and decrease workout designs for individuals. Students will construct and implement a fitness leadership project which may include a group workout plan or a topic of the student's choice as approved by the teacher.

CAREER AND TECHNOLOGY STUDIES (CTS)

Career and Technology Studies (CTS) provides students with practical, hands-on learning experiences in the area of personal interest, applied technology and general career exploration. In CTS, students have the opportunity to use and apply technology effectively and efficiently to solve problems and/or produce usable products within a personally relevant working environment. Each CTS module defines the students' expected knowledge and ability after 25 hours of instruction and is equivalent to 1 credit. Courses are organized into three levels of achievement: Level I: introductory; Level II: intermediate; and Level III: advanced. As students' progress through the levels, they are expected to be able to demonstrate an increased degree of competency.

Career and Technology Preparation Credential is an enhanced high school diploma utilizing an innovative educational program aimed at providing students with academic and employability skills. This credential has been identified as crucial for success in the world of work.
Key features of the program include:

- Enhanced career development activities assisting students in their transition from school to work.
- Assistance in identifying a career cluster of similar high school courses relevant to a chosen career pathway.
- An academic curriculum taught in an applied context providing an operational understanding of basic skills required for future training and employment.
- Off-campus education for work site learning as a key component of the program.
- Demonstrated computer competence in information technology.

VISUAL COMMUNICATION 10/20/30

Audio/Video Production is a growing industry. Recent technology allows for local production companies to produce high quality professional products. If you would like an introduction to this fascinating profession, check out this unit of Visual Communication. The students will be introduced to Adobe Premiere Pro and After Effects in this unit.

Photography deals with the fundamentals of digital photography. If you are looking to improve your photographic skills or just learn about taking pictures, these units offer a wealth of information and practical applications.

Printing by vinyl, heat transfer, wide format and sublimation is the focus of this unit. Creating t-shirts, decals, signs, banners, posters, cell phone covers, mugs and water bottles in single and multi-color formats are all practiced. Printing and mounting of your photographs on various media from the photography unit can be done as well.

Computer Graphics will introduce the students to the software applications Corel Draw, Adobe Illustrator, Adobe Photoshop and Adobe InDesign. With Corel Draw and Adobe Illustrator, students will learn how to create vector-based logos, icons, complex illustrations for various outputs such as stickers, t-shirts, print documents, web and video. Adobe Photoshop is the industry standard in digital imaging and will be used by students at AJS for various design, photography and video editing projects. Adobe InDesign is a desktop publishing software application that can be used to create posters, flyers, brochures, magazines, newspapers, presentations, books and E-books.

Animation will introduce the students to the principles of animation by creating stop motion and computer animation projects. The software applications Adobe After Effects, Adobe Premiere Pro and Adobe Animate will be used in this unit.

CONSTRUCTION TECHNOLOGIES 10/20/30

Our **Construction** courses are taken from the TMT (Trades, Manufacturing and Transportation) cluster, and offer a variety of different skills to learn. In this course our major focus is on safe operation and understanding of various wood working equipment. Students will learn how about safely working in the wood shop environment, exploring various building materials, and using many different machines and tools on multiple projects. Whether you are taking the course to learn for hobbies or a potential career, all are welcome!

As you progress through the levels of Construction, the projects become increasingly complex, and continue to work on developing new and different skills. Students will work on set skill building projects as well as unique created projects from their own design.

No matter your skill level, there is always something to learn and projects to build!

ESTHETICS 10/20/30

This course offers students an introductory look into the world of Esthetics and Spa Management. Students will gain practical skills in skin care, nail care, and makeup through demonstrating manicuring, nail art, understanding of skin types and makeup application. This class also emphasizes entrepreneurship and customer service skills. Students learn theory through the practical application

of skills. This course fosters independence, self-confidence, positive self-image, business savvy and positive social interactions.

FOODS 10/20/30

Food Studies is an exciting course in which you get to eat your assignments. In this course we will work on expanding your abilities and skills for planning, preparing and presenting foods. You will develop an understanding of the relationship between wellness and food as it relates to nutrition. You will develop skills in the management of resources for preparing food, as well as safe food practices. In addition, you will identify and develop employability skills and attitudes needed to be successful in future workplace environments. Foods are broken into individual modules and each module is worth one high school credit. Each course requires between 18-25 hours of class time to complete, which is equivalent to 15-18 classes. Each module will have its own final mark, for a total of five credits.

PHOTOGRAPHY 10/20/30

Do you enjoy taking photos? Want to learn more about this unique medium and how to take photos that make people go, "Wow!"? In this course, you will learn about the history of photography, how a camera and lens work, and how to take striking photos using strong compositional techniques. Though students are encouraged to use a DSLR camera with detachable lenses, at a minimum, students will need to have access to a camera phone. At the end of the course, each student will receive a portfolio with printed photographs of their work.

COMMERCIAL FOODS 10/20/30

Commercial Foods is an exciting course in which you have the opportunity to work in a commercial kitchen with a journeyman chef while learning valuable culinary skills. In this course you will build and grow your knowledge of the workings of a commercial kitchen. You will develop skills in knife handling, mass food production, food presentation techniques, menu selection and much more. In addition, you will identify and develop employability skills and attitudes needed to be successful in future workplace environments. These skills and attitudes will be required in the cafeteria kitchen at all times. Commercial Foods 10/20/30 is broken into individual modules, each course being worth one high school credit.

MECHANICS AND FABRICATION STUDIES 10/20/30

Our **Mechanics** courses are taken from the TMT (Trades, Manufacturing & Transportation) cluster and offer a variety of introductory, intermediate and advanced modules. Your time in the class should earn you five high school credits. What you learn could benefit you for a lifetime.

Our modules offered will interest anyone who drives or will drive an automobile. The emphasis is on car care and basic is the key word. You will learn and practice maintenance techniques that will keep your car in excellent condition and running smoothly. No mechanical skills are required because the introductory course caters to the beginner. If you are taking the class with a skillset already, then that is great too! As you progress through the different levels, we will look at more advanced topics and have opportunities to work on various projects and vehicles!

Our **Fabrication Technology** courses are taken from the TMT (Trades Manufacturing & Transport) cluster and are for the student who wants to learn how to work with metal and safely weld (arc, mig,

oxyacetylene and plasma cutting). Fabrication is a five-credit course that runs at the same time as Mechanics, so you can try both!

Developing knowledge in welding and metalwork creates lifetime skills that can be helpful in multiple career paths or even hobby and home projects! In Fabrication, you will build some set skill building projects as well as some of your own designs. This is an excellent class to learn new skills and interests or even continue to hone your own existing skillset.

Remember that these courses are for anyone! So whatever your skill set there is still lots to try and new things to learn!

WILDLIFE 10
This course will enable students to develop the attitudes, skills and knowledge related to wildlife, wildlife diversity, wildlife management, conservation and stewardship. Hunting and game management skills including bow hunting education will build on the introduction provided in junior high outdoor education courses. Outdoor cooking, boating safety and angling are options available. This course provides theory and skill building in research and outdoor pursuits that increase in scope and complexity.

SECOND LANGUAGES

The Second Language Department offers high school programs in French and Spanish. All four skills of language learning: reading, writing, listening and speaking are taught and practiced in order to enable the student to communicate effectively in the second language. An appreciation of other cultures is also emphasized.

FRENCH 10-9Y
(5 credits)
Recommended: 50% in French 9
This course reviews the basic material learned previously and continues to expand vocabulary and grammar. Students will use their knowledge of French to understand and express messages effectively, will develop their knowledge of different Francophone cultures, and will use their knowledge of strategies to enhance learning and to communicate in French.

FRENCH 10-3Y
(5 credits)
French 10-3Y is an introductory course to the French language. The overarching goal of high school French is that by the end of French 30-3Y students can understand and express themselves in basic situations, provided the language they encounter is clear and based on familiar topics and structures, and can use the cultural and strategic knowledge they have gained to sustain their communication.

FRENCH 20-3Y/9Y

(5 credits)

Recommended: 50% in French 10

French 20 students continue to expand their knowledge of the French language through conversations, readings, compositions and comprehension exercises. Students will use the three main tenses (present, past and future) to speak more fluently. Students are expected to make every possible effort during the class to communicate in French with both the teacher and fellow students. The study of various cultural themes allows students to learn more about the French speaking world.

FRENCH 30-3Y/9Y

(5 credits)

Recommended: 50% in French 20

French 30 students continue to expand their knowledge of French vocabulary and grammar. Emphasis is placed on improving communicative competence through the acquisition of more complex verb tenses and grammatical structures. Most of the class is conducted in French and students develop the communication skills necessary to live in a French speaking environment. Cultural themes are explored in French in order to acquaint students with various aspects of the French speaking world.

SPANISH 10

(5 credits)

Recommended: None

Spanish 10 is an introductory course to the Spanish language. Students are taught to communicate in simple Spanish on everyday topics including the family, school, activities, people and professions. Students will learn to communicate using the present and future tenses. Cultural aspects of South American and European Spanish countries will be presented and celebrated in class.

SPANISH 20

(5 credits)

Pre-requisite: 50% in Spanish 10

This is an intermediate level language course which is designed to develop the comprehension, vocabulary, grammar, and speech necessary to communicate effectively in Spanish. Students will learn the past tense, present progressive and imperative verb tenses. The course contains a large number of useful and practical expressions dealing with all phases of life including arts and culture, shopping, food, sports, hobbies and home. The class is conducted mostly in Spanish and includes an in-depth study of various aspects of the Spanish culture and civilization.

SPANISH 30

(5 credits)

Pre-requisite: 50% in Spanish 20

This course is designed to develop comprehension, vocabulary, grammar and speech necessary to communicate effectively at an advanced level. It is the culmination of grammar, idioms and expressions needed for the study of literature and speech.

FINE ARTS

Fine Arts courses at the 30-level may be used to fulfill the 30-level requirements for the Alberta High School Diploma and may also be presented for admission to many post-secondary programs.

VISUAL ARTS

The art program is an opportunity for students to creatively explore their skills and ideas in many varieties of media. They are encouraged to think and behave as artists. The three concepts covered are drawing, composition, and encounters.

ART 10
(5 credits)
Recommended: None
In Art 10, students will learn rudimentary drawing skills while exploring their creativity. They will have an opportunity to experience a variety of techniques, styles and materials including pencil, pastel, charcoal, clay, painting, and printmaking. They will learn to use elements and principles of design and develop individual ideas and skills.

ART 20
(5 credits)
Pre-requisite: 50% in Art 10
In Art 20, students will expand their skills and interest in drawing, painting and sculpture. Students will also widen the variety of drawing styles, techniques and materials used. This course includes art history, drawing from life and independent projects.

ART 30
(5 credits)
Pre-requisite: 50% in Art 20
Art 30 provides students greater freedom to explore areas of interest utilizing a variety of techniques and mediums including oils, acrylics, printmaking and plaster. Students will build on their art skills while working towards personal expression and developing their own personal style.

DRAMA

The high school drama program is geared towards performance for an audience and the process one goes through from first rehearsal to presentation.

DRAMA 10
(5 credits)
Recommended: None
An introductory look at acting and theatre production. Developing a character and rehearsal techniques are the main areas of focus. Plenty of time is devoted to gaining confidence on the stage and being comfortable performing in front of others.

DRAMA 20/30

(5 credits each)

This class is an intensive study of acting aimed towards the preparation and presentation of shorter plays and a full-length production. A short playwriting component is also included at this level. Modern and classical plays are presented for both student and evening audiences. If you want to act, then this is the class for you. The Drama 30 students will be directing the 20's in their One Act Plays for competition in the Ardrossan Drama Festival. Winners will move on to showcase their work at the Zone 3 Drama Festival and possibly the Provincial One Act Festival in Red Deer.

ADVANCED ACTING 15/25/35

TECHNICAL THEATRE 15/25/35

Ardrossan Drama Company (a.d.c.)

(5 credits can be earned at each level)

The a.d.c. is an afterschool group dedicated to producing high quality shows for adult audiences. Each spring, a major production is mounted with very high production values (past shows include *Harvey, Anne of Green Gables, The Crucible, Great Expectations, David Copperfield, Father of the Bride, Oliver Twist, The Sting* and *Cyrano de Bergerac* to name a few). In addition to acting, there are opportunities for technical aspects of the show. Sound design and execution, lighting design and execution, stage management, set design and construction are also necessary components for the show to be successful.

MUSIC

The music programs are designed to allow students to develop their skills both as performers and consumers of music. Every effort is made to ensure that students are exposed to a wide variety of musical styles. Students enrolled in the program have the opportunity to perform in large and small ensembles. **NOTE: Band students register in full year English and take Band Day one and English Day two all year in Grade 10**.

CONTEMPORARY POPULAR MUSIC (GENERAL MUSIC) 10/20/30

(5 credits)

Contemporary Popular Music is generally used to apply to all music from 1945 to current but generally, with a focus on 1970-1990. In this class students will play modern instruments: Vocal, Guitar, Bass, Piano, Drums, & Electronic instruments. They will learn about the genres of music and be grouped to perform music from 1945 to now. No previous musical experience required; students will have curriculum that match their experience level. Students will have the opportunity to learn about all styles of music, Rock/Jazz/Country but also Electronic and modern Pop music.

INSTRUMENTAL MUSIC (BAND) 10

(5 credits, full year)

Recommended: Jr. High Band or equivalent

This course is a continuation of the band option offered in junior high. Students entering this course must have demonstrated basic skills on one of the band instruments. Participation in the Senior Band, including performances and touring, is expected of students enrolled in Instrumental Music 10.

INSTRUMENTAL MUSIC (BAND) 20/30

(5 credits, full year)

Recommended: 50% in Instrumental Music 10/20

Those enrolled in Instrumental Music 20/30 are expected to be competent performing a concert band instrument. Instrumental Music 20 and 30 provides the student with opportunities to further develop listening, performing, creative and theoretical skills. Participation in the Senior Concert Band is a required component of these courses.

JAZZ 15/25/35

(5 credits, full year)

Recommended: 50% in previous Instrumental Music course or permission of instructor. This is a jazz performance course that is offered outside of regular school hours. The course runs throughout the year and focuses on the performance of a variety of jazz styles.

ACADEMIC ELECTIVES

SCIENCE 25 / MYTH BUSTING

(3 credits)

Myth-busting Science recognizes that students need to gain an understanding of a scientific way of thinking within the social and historical framework of modern society. By addressing myths as a starting point, students will be able to understand why the scientific process was developed and how science differs from other ways of thinking. The goal of this course is for students to be able to critically read and evaluate literature in the sciences and social sciences in order to discern the validity and reliability of published claims. This course also aims to develop student's ability to engage in their own "myth-busting" by generating their own questions which they can investigate using qualitative or quantitative research methods

FILM STUDIES 15

(5 credits)

Recommended: 65% or more in a Grade 10 English class. Film Studies 15 is a film and media studies course that concentrates on the critical contexts of film and media history, and the study of different genres of film such as propaganda, film noir, romantic comedy and Hollywood blockbuster. The goal of this course is to help students understand how the makers of film structure their work to communicate ideas and feelings to an audience and the historical differences in filmmaking between different genres and between different directors. The skill set required to analyze film is very similar to that required to analyze the traditional genres of novels, plays, poems, etc. Film is both a powerful communication medium and an art form. This course aims to develop students' skills so they become adept in interpreting films. This course involves discussion, presentation and writing about film.

FILM STUDIES 25/35

(5 credits)

This course builds on material covered in Film Studies 15 and units on film history and genre studies. The added focus of this class is on directed vision, film production and screenwriting. Film Studies 15 is a pre-requisite

OFF CAMPUS EDUCATION

WORK EXPERIENCE 15/25/35

(5-15 credits)

Prerequisite: HCS 3000

1. Work Experience is a program in which the school and the community combine resources in order to provide opportunities for students to familiarize themselves with the world of work. The expectations for the Work Experience Program are that students will have an opportunity to explore career interests, participate in meaningful work, receive assistance in making the transition from the school environment to the world of work, and develop acceptable work habits and positive attitudes for getting along with people.
2. The requirements of the program are that students complete in school instruction (HCS 3000 + Workplace Safety Systems) covering the following topics: self-assessment; career planning; employer's expectations; job search techniques; preparing a targeted resume; application forms; and interviewing skills. This will take a minimum of 25 hours and the remaining 100 hours (25 hours per credit) will be spent at the job site.
3. Work Experience hours are from 7:00 a.m. to 10:00 p.m. Monday through Sunday. Students must seek out their own workstation in cooperation with the coordinator. Transportation is the responsibility of the student. A maximum of 15 Work Experience credits can be counted toward the High School Diploma. Due to enrollment limitations, the work experience program is generally reserved for Grade 11 and 12 students.

   CTR1010: Job Preparation

   - Students develop successful employment search skills and a personal employment search portfolio.

   HCS3000: Workplace Safety Systems

   - Workplace Safety Systems is a prerequisite course for the first off-campus education program taken by a student. Students enrolled in Knowledge and Employability courses may use Workplace Readiness 10-4 in lieu of HCS3000.

   HCS3010: Workplace Safety Practices

   - Workplace Safety Practices is a recommended prerequisite course for students enrolling in the Registered Apprenticeship Program (RAP).

   AGR3000: Agriculture Safety

   - Agriculture Safety is a prerequisite course for students enrolling in the Green Certificate Program.

REGISTERED APPRENTICESHIP PROGRAM (RAP)

(10-40 credits)

Prerequisite: HCS 3000 & HCS 3010

What is the Registered Apprenticeship Program?

- RAP is a program in which students spend part of their time in school and part in industry as registered apprentices. Participants in this program are considered full-time students and registered apprentices. Students are required to complete courses that lead to the Alberta High School Diploma.

What is the purpose of the Registered Apprenticeship Program?

- RAP offers students a chance to attend high school and train as a registered apprentice at the same time. It allows students to complete credits for the high school diploma and to gain hours towards a journeyman certificate.

Students must gain prior approval and seek out their own work placement before registering for this program. For more information, please contact the Work Experience Coordinator.

GREEN CERTIFICATE FARM APPRENTICESHIP PROGRAM

(Possible 16 credits)

Recommended: AGR 3000

Prerequisite: CTR1210-Personal Safety Management

The Green Certificate Program is operated by Alberta Agriculture, Food & Rural Development in partnership with the farming industry. It provides an opportunity for young people to gain experience and training in the farming industry (e.g. dairy, equine, cow-calf, field crop, sheep). Students who wish to get involved with this program and earn credits towards their high school diploma should contact the Work Experience Coordinator.

TENTATIVE FEE SCHEDULE

Course	Fee
Aboriginal Studies	$30.00
Art 10/20/30	$52.50
Instrumental Music (Band) 10/20/30	$24.00 + Rental if Required $115
Commercial Foods 10/20/30	$90.00
Contemporary Music	$24.00 + Rental if Required $115
Construction Technologies 10/20/30	$100.00
Drama 10/20/30	$55.00
Esthetics 10/20/30	$100.00
Film Studies 15/25/35	$25.00
Contemporary Popular Music (General Music) 10/20/30	$24.00 + Rental if Required $115
Mechanics/Fabrication 10/20/30	$90.00
Myth Busting 25	$25.00
Personal Fitness 10/20/30	$63.50
Foods 10 Foods 20 Foods 30	$90.00 $95.00 $100.00
Photography 10/20/30	$70.00
Physical Education 10/20	$57.75
Physical Education 30	$57.75
Spanish 10/20/30	$27.50
Visual Communications 10/20/30	$60.50
Wildlife 10	$100.00
Work Experience	$5.00

HOW TO SELECT YOUR GRADE 10 COURSES

Step 1 Select ONE English Language Arts course

- ☐ English Language Arts 10-1 Honours
- ☐ English Language Arts 10-1
- ☐ English Language Arts 10-2

If you are in French Immersion, go to Step 2. If you are not in French Immersion, go to Step 3.

Step 2 If you are in French Immersion, select from the following courses and go to Step 6.

- ☐ French Language Arts 10-1/-2
- ☐ Études Sociales 10 -1/-2
- ☐ Mathématiques 10C
- ☐ Sciences 10

Step 3 Select ONE Social Studies course

- ☐ Social Studies 10-1 Honours
- ☐ Social Studies 10-1
- ☐ Social Studies 10-2

Step 4 Select ONE Science course

- ☐ Science 10 Honours
- ☐ Science 10
- ☐ Science 14

Step 5 Select ONE Math course

- ☐ Mathematics 10C Honours
- ☐ Mathematics 10C
- ☐ Mathematics 10-3

Step 6 From the following list, choose enough courses to fill your timetable

Physical Education and Personal Development

- ☐ Phys Ed 10/CALM combined *HCS 3000 Workplace Safety
- ☐ Personal Fitness 10
- ☐ Aboriginal Studies 10
- ☐ Wildlife 10

Fine Arts

- ☐ Art 10
- ☐ Drama 10
- ☐ Film Studies 15
- ☐ Instrumental Music 10 (Band)
- ☐ Jazz 15
- ☐ Contemporary Popular Music 10

Career & Technology Studies

- ☐ Commercial Foods 10
- ☐ Foods 10
- ☐ Visual Communications 10
- ☐ Construction Technologies 10
- ☐ Mechanics and Fabrication Studies 10
- ☐ Esthetics 10

Second Languages

- ☐ French 10
- ☐ Spanish 10

On Campus Extras

- ☐ Jazz Band
- ☐ Special Projects 15 (Work Exp.)
- ☐ Advanced Acting 15 /Technical Theatre 15

* 1 Credit Mandatory Course

Period	SEMESTER 1	Period	SEMESTER 2
1		1	
2		2	
	LUNCH		LUNCH
3		3	
4		4	