



FAIRVIEW HIGH SCHOOL

Home of the Cobras

Bag 2792, Fairview, Alberta T0H 1L0
Telephone (780) 835-5421 Fax (780) 835-3222
email: FairviewHS@prsd.ab.ca

Information for Students Entering Grade 11

These course descriptors should help in choosing your courses for 2020-2021. Some courses are required for graduation and these are noted. (See below for Diploma requirements.) Typically, courses marked XX-1 (eg. English 20-1) are required for attending university. Courses marked XX-2 (eg. Social 20-2) will allow access to most colleges. However, entrance requirements vary. Students should select the highest level of a course if they have not yet decided on post-secondary and if they are prepared to put in the required work.

Core courses for Grade 11 are English, Science, Social Studies, and Math. You can choose option courses to fill in your schedule. We hope to be able to offer a wide variety of option courses but some may get dropped if the interest is low. Students will then be placed according to the order of their preference.

Please complete the attached Google Form by Thursday, May 28th, 2020.

Alberta High School Diploma

To earn an Alberta High School Diploma, a student must:

- earn a minimum of 100 credits

- complete and meet the standards of the following courses:

- **ENGLISH 30-1 or 30-2**
- **SOCIAL STUDIES 30-1 or 30-2**
- **MATHEMATICS 20-1, 20-2, OR 20-3**
- **SCIENCE 20 or 24 or BIOLOGY 20 or CHEMISTRY 20 or PHYSICS 20**

- complete and meet the standards of the following:

- **PHYSICAL EDUCATION 10 (3 credits)**
- **CAREER AND LIFE MANAGEMENT (CALM) 20 (3 credits)**
- **10 CREDITS FROM (CTS) or FINE ARTS or SECOND LANGUAGES or PHYSICAL EDUCATION 20/30**
- **10 CREDITS IN ANY 30-LEVEL COURSE in addition to ENGLISH 30-1 or 30-2 and SOCIAL STUDIES 30, 30-1 or 30-2**



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Certificate of High School Achievement

To earn 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 and/or specific courses.

80 CREDITS including the following:

- ENGLISH LANGUAGE ARTS 20-2 OR 30-4
- MATHEMATICS 10-3, 14 OR 20-4
- SCIENCE 14 OR 20-4
- SOCIAL STUDIES 10-2, OR 20-4
- PHYSICAL EDUCATION 10 (3 CREDITS)
- CAREER AND LIFE MANAGEMENT (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, or
- 30-level Green Certificate course

OR

5 CREDITS IN

- 30-level Registered Apprenticeship Program (RAP) course



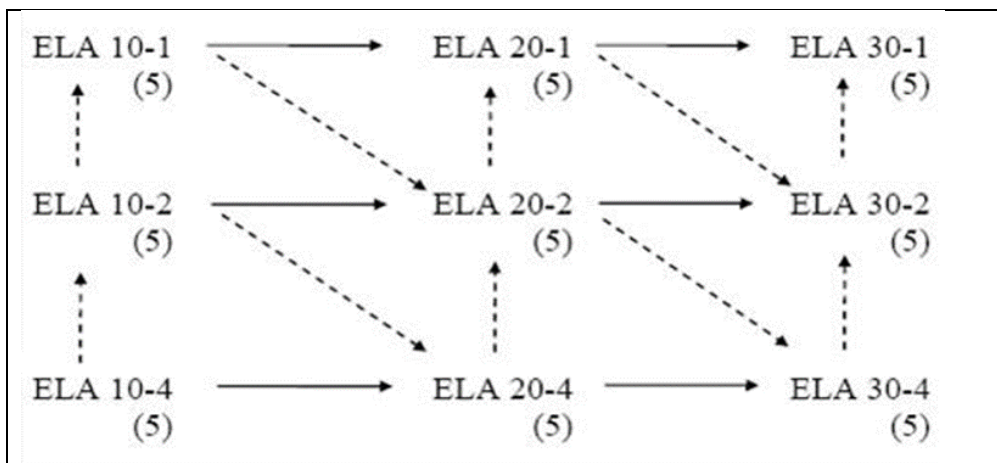
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Course Descriptions

English: Progression Through Course Sequences

All English courses are based on developing the six language arts: reading, writing, speaking, listening, viewing, and representing.



English 20-1 (prerequisite: English 10- 1)

English 20-1 focuses on the study of literature and emphasizes the critical analysis of literary forms. Instruction and practice in many forms of writing are provided. English 20-1 emphasizes the integration of clear and effective writing with analysis and interpretation of text.

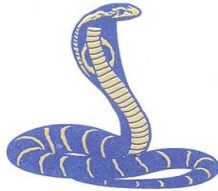
(5 credits)

English 20-2 (prerequisite: English 10-2)

English 20-2 focuses on the enjoyment of interesting modern literature and encourages mastery of language arts concepts. Emphasis is on clear and detailed communication. Students gain an appreciation of various forms of communication and their application in the world outside the classroom.

English 20-4 (prerequisite: English 10-4)

English 20-4 builds on the material completed in English 10-4. The aim of the English 20-4 is to enable each student to understand and appreciate language and to use it confidently and competently in a variety of situations for communication, personal satisfaction and learning purposes. English 20-4 focuses on developing basic language competencies needed for everyday living at home, in the community and in the workplace. **(5 credits)**

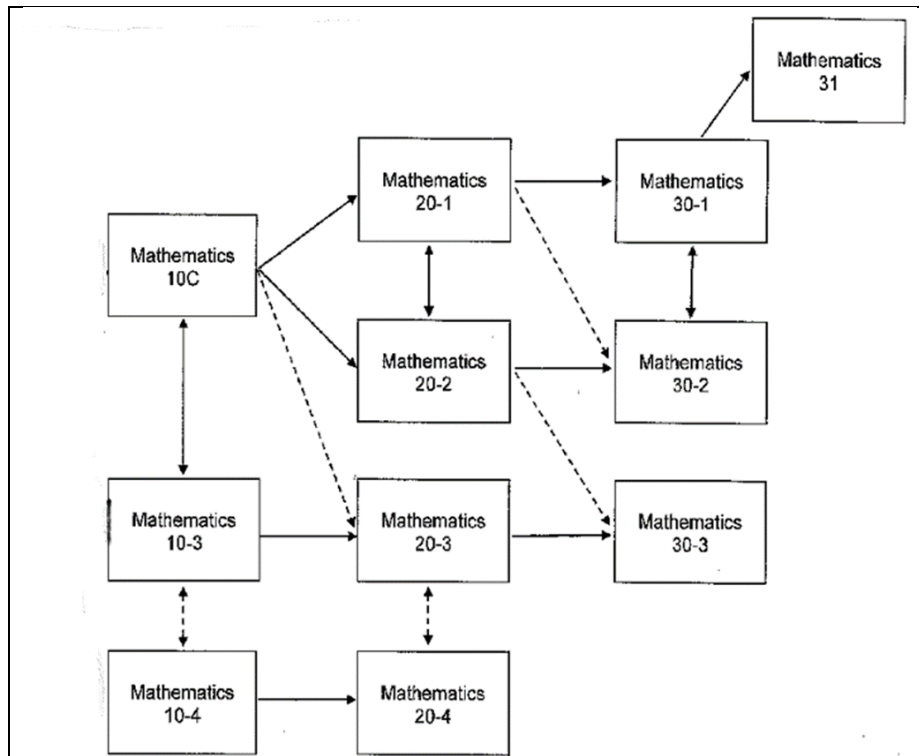


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Mathematics: Progression Through Course Sequences



Math 20-1 (prerequisite: Math 10 C) This course is for students who plan to enter post-secondary programs such as engineering, mathematics, sciences, some business studies, or other programs that require advanced math skills. Course topics include permutations and combinations, relations and functions, sequences and series, and trigonometry **(5 credits)**

Math 20-2 (prerequisite: Math 10C) is for students wishing to study at the post-secondary level in diverse fields, including arts programs, medical technologies, and some apprenticeship programs.

This path will fulfill most students' needs. Mathematics 20-2 includes such topics as: relations, functions and equations, probability, statistics, and trigonometry.

(5 credits)

Math 20-3 (prerequisites: Math 10-C or 10-3) is for students who want to apprentice to a trade or enter the workforce directly after high school. It is designed to meet the entrance requirements for apprentices in most trades programs, specifically levels one to three. Mathematics-3 includes topics such as finance, geometry, measurement, and trigonometry. **(5 credits)**

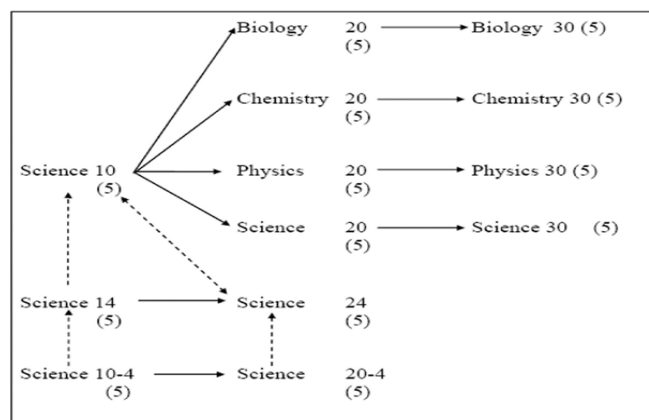


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Science: Progression Through Course Sequences



Biology 20 (prerequisite: Science 10)

Matter, energy, equilibrium and systems are the major themes of Biology 20. Students will learn about the human body as an example of a system and will study anatomy and physiology as they consider the exchange of matter and energy through this system. In addition, they will look at a larger scale system, the environment, during the ecological portion of the course. **(5 credits)**

Chemistry 20 (prerequisite: Science 10)

Matter and chemical change are the themes common to all the units in Chemistry 20. The principles of conservation of mass and energy are taught to help to predict and explain the changes that occur in a closed system. **(5 credits)**

Physics 20 (prerequisite: Science 10)

The major topics covered in Physics 20 are: Kinematics, Dynamics, Circular Motion, Work & Energy, Oscillatory Motion and Mechanical Waves. **(5 credits)**

Science 20 (prerequisite: Science 10)

Emphasizes the science theme of change, diversity, energy, equilibrium, matter and systems. Science 20 is designed to develop a solid understanding of fundamental science concepts and principles as well as the interactions between science, technology and society. This course is a prerequisite for a diploma course Science 30. **(5 credits)**

Science 24 (prerequisite: Science 14)

This course takes a hands-on approach to exploring the scientific issues and principles in the following units: applications of matter and chemical change, understanding common energy conversion systems, disease defence and human health, and motion change and transportation safety. **(5 credits)**

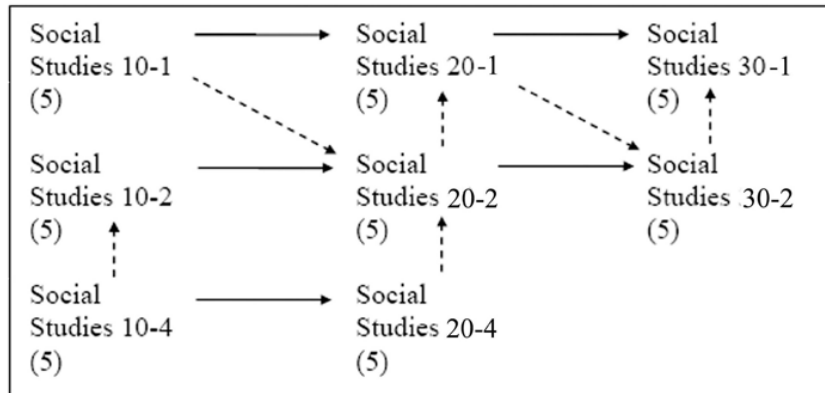


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Social Studies: Progression Through Course Sequences



Social Studies 20-1 (prerequisite Social Studies 10-1) This course will focus on the examination of nationalism. Grade 11 explores the complexities of nationalism in Canadian and international contexts and includes study of the origins of nationalism and the influence of nationalism on regional, international and global relations. **(5 credits)**

Social Studies 20-2 (prerequisite: Social Studies 10-2) This course also focuses on perspectives on nationalism. Grade 11 explores the complexities of nationalism in Canadian and international contexts and includes study of the origins of nationalism and the influence of nationalism on regional, international and global relations. **(5 credits)**

Social Studies 20-4 (prerequisite: Social Studies 10-4) This course will focus on nationalism. Students will examine various forms of nationalism and apply their perceptions to their own identity and sense of citizenship. **(5 credits)**



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Course Descriptions for Option Courses.

Art 10 (No prerequisite)

The emphasis in Art 10 will be on two - dimensional studio work including drawing, painting and printmaking. Students will be introduced to a variety of new media and techniques through assigned studio projects. In addition, each student will be required to make regular use of a sketchbook to explore the media and techniques outside of class time. The sketchbook will also be used to do assigned projects to further develop artistic skills. Art history will be studied as it relates to studio and research assignments. The objective of this course is to give students the creative potential to produce visual art projects, which show evidence of effort, quality, exploration, creativity and use of a variety of media. **(3 credits)**

Art 20 (prerequisite Art 10)

The emphasis in Art 20 will be on two and three dimensional studio work including drawing, painting, printmaking and sculpture. This course will further examine concepts, skills and media introduced in Art 10 by providing new alternatives and encouraging the development of each student's individual style and strengths. A greater emphasis will be placed on theory and the history of art. Familiarity with significant historical and contemporary artistic examples will be encouraged. Students will be expected to critically appraise their own work. The ability of the student to reflect on the creative process and to draw on knowledge of other artistic movements and styles will be important in the evaluation of the student's progress. **(3 credits)**

Physical Education 20 (prerequisite: Physical Education 10)

This optional course will focus on individual activities and continue to prepare students for an active, healthy lifestyle. Students will work toward developing positive skills in leadership and interpersonal relationships. **(3 credits)**

Career and Life Management 20 (No prerequisite)

CALM 20 is designed to help students make well-informed, thoughtful decisions and choices in all aspects of their lives and to develop behaviours and attitudes contribution to well-being and respect of self and others. This course covers three themes: resource choices, career and life choices, and personal choices. **Note: this course is required for high school graduation. (3 credits)**

French 20-3Y (prerequisite: French 10-3Y)

French 20-3Y is intermediate French as a Second Language course for students with some previous experience with the French language. **(5 credits)**



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Career and Technology Studies (CTS)

The CTS program centers around five clusters and more than 1000 1-credit courses in 28 occupational areas. Within each cluster are occupational areas that contain courses related to specific areas of work. There are a total of 28 occupational areas in CTS. Each occupational area is comprised of a group of courses designed to support positive career and occupational opportunities for students. Students can explore their interests by selecting and creating personalized pathways

Fairview High School offers various courses in the following clusters.

BIT: Business, Administration, Finance & Information Technology

The BIT cluster focuses on the management, marketing and use of electronic technologies to access, use and manipulate information.

HRH: Health, Recreation & Human Services

The HRH cluster focuses on a vast array of challenging and rewarding careers in health care, community supports, recreation, cosmetology, food services, tourism and law.

MDC: Media, Design & Communication Arts Courses relate to art and culture, such as the performing arts, film and video, broadcasting, journalism, writing, creative design, fashion, libraries and museums.

NAT: Natural Resources. Students develop the motivation and commitment to work individually and collectively toward the conservation and responsible use of air, energy, forests, land, minerals, water and wildlife.

TMT: Trades, Manufacturing & Transportation Courses relate to manufacturing, processing, utilities, construction, mechanics, fabrication, trades supervision, trades contracting, logistics, transportation and heavy equipment.

Note: Some CTS courses are cycled and may not be offered each school year.

Forensic Science 25

Forensic science is the application of scientific principles, methods, and technologies for the purpose of solving debates including legal proceedings. This course will promote the importance of scientific literacy and problem solving techniques. Emphasis is placed on Canadian methods and legal protocols as students enhance their understanding of science and to explore this unique career area. Content includes the collection and analysis of evidence from crime scenes, the principles of fingerprinting, breathalysers, poly-graphing, and DNA analysis (**3 credits**)

Foods (CTS; HRH Cluster)

Students will develop an interest in the broad base of food, both in terms of nutrition and the practice of safe and sanitary food handling. Foods will also foster an understanding and knowledge of the multicultural richness and varied social customs in the preparation and sharing of food. (**3 credits**)



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Cosmetology (Level 1)

Introductory Cosmetology modules. This includes Personal and Professional Practices, Long Hair Design 1 and Skin Care Practices **(3 credits)**

Cosmetology (Level 2)

Intermediate Cosmetology modules. This includes Long Hair Design 2, Manicuring 1 and pedicuring **(3 credits)**

Archery Plus (CTS; NAT Cluster)

This new course features 3 to 4 modules under the Wildlife CTS strand. Topics will include Bow hunting Education, Hunting and Game Management Practice, Wilderness Navigation or Issues in Wildlife. **(3-4 credits)**

Outdoor Education (CTS; NAT Cluster)

Outdoor Education provides the student with experiences in safe and comfortable outdoor living. As environmentally responsible individuals, students will plan and participate in outdoor expeditions. One of the four credits available to course registrant's centers around acquiring first aid certification. **(4 credits available)**

Mechanics (CTS; TMT Cluster)

Fairview High School offers a variety of courses in the Mechanics cluster. Students will be exposed to basic mechanic tools, fundamentals of engines and basic welding. The opportunity to work with and on Harley Davidson engines will also be afforded to engage students. **(3 credits)**

Welding (CTS; TMT Cluster)

Students selecting courses from this strand have the opportunity to investigate and develop important knowledge, skills and attitudes related to the properties of metals and to the design and fabrication of products. **(3 credits)**

Construction Technology (CTS; TMT Cluster)

Students selecting courses from this cluster have the opportunity to investigate and develop important knowledge, skills and attitudes relative to the design, construction and maintenance of buildings and other related products. **(4 credits)**

Media Arts and Film 15

This introductory course explores the development and design of various forms of media, the impacts of media on our daily lives (e.g. TikTok, Instagram, Fortnite), and the making of various types of films. Students will use media techniques and equipment to produce short audio and video works that communicate ideas, feelings and beliefs to specific audiences. **(3 credits)**



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Fitness Training 15/25 (prerequisite for FT 15: Physical Education 10; prerequisite for FT 25: FT 15) (CTS; HRH Cluster) Students will demonstrate proper training techniques associated with a variety of sports. They will evaluate the effects of natural as well as artificial performance enhancing strategies. They will deal with nutrition and athletics as well as establishing goals and evaluate the success of associated training programs. **(3credits)**

Yoga 15

This course is designed to introduce students, safely, to the basic postures (asanas), breathing techniques, and relaxation methods of yoga. It will also introduce students to the historical roots of yoga, and give them an understanding of anatomy and physiology. The aim is to increase flexibility, strength, improve posture, as well as concentration and functional breathing. It is an active course, and therefore students should be prepared with clothing that is conducive to yoga movement. A non-slip yoga mat is encouraged (for hygiene reasons), however some mats will be provided. Namaste! **(3 credits)**

Psychology

This course explores the scientific approach to understanding human behaviour so that students appreciate the reasons that underlie actions of the individual. Topics of study will include personality, behaviour, intelligence, heredity and environment, and perception. **(3 credits)**

Green Certificate

Green certificate is a program jointly offered through Alberta Agriculture and Alberta Education that is skills and performance based. Trainees (students) learn and practice defined skills under the guidance of an experienced farmer. The farmer/trainer may or may not be a relative. Workshops and print materials supplement the training. Students progress at their own rate and certification is based on the ability of the student to perform specific agricultural skills to the satisfaction of a certified tester at GPRC, Fairview Campus. Testing occurs 3 times a year.

Students may specialize in one of eight programs: cow-calf, beef feedlot, irrigated crop, dairy, swine, sheep, field crop and bee-keeping. Each program completed gains a student **sixteen** Grade 12 level credits.

Registered Apprenticeship Program

Students, who have committed to a career in one of 50 recognized trades in Alberta and want to begin their apprenticeship while still in school, should consider RAP. RAP students earn at least minimum wage and can get up to 40 credits for 1000 hours of employment. In many trades, this will enable the student to complete their first year of apprenticeship. Students have to be at least 15 years old. In addition, students have to complete **HCS 3010** prior to working.

For information, contact Mrs. Wiebe



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Work Experience

Work Experience is a course offered to High School students in Grades 10, 11 and 12 who wish to explore a career choice and experience the world of work. Students enrolled in Work Experience will partner with local employers where students earn credits while employed at work sites in the community. This provides an opportunity to:

- explore possible career area
- understand employer expectations through established training plans
- see the relationship between school and work
- develop work skills
- establish employer networks
- obtain references

Work Experience credits, at each level, may be granted for 3-10 credits. For every 25 hours completed on the job, one credit will be awarded. Students can earn up to a maximum of 15 credits in Work Experience for their Diploma, and up to a maximum of 30 credits in Work Experience.

Effective September 1, 2011, students must complete HCS 3000 before taking Work Experience.