



## 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 12**

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 30-1) are required for attending university. Courses marked XX-2 (eg. Social 30-2) 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 12 are English and Social Studies. 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 28<sup>th</sup>, 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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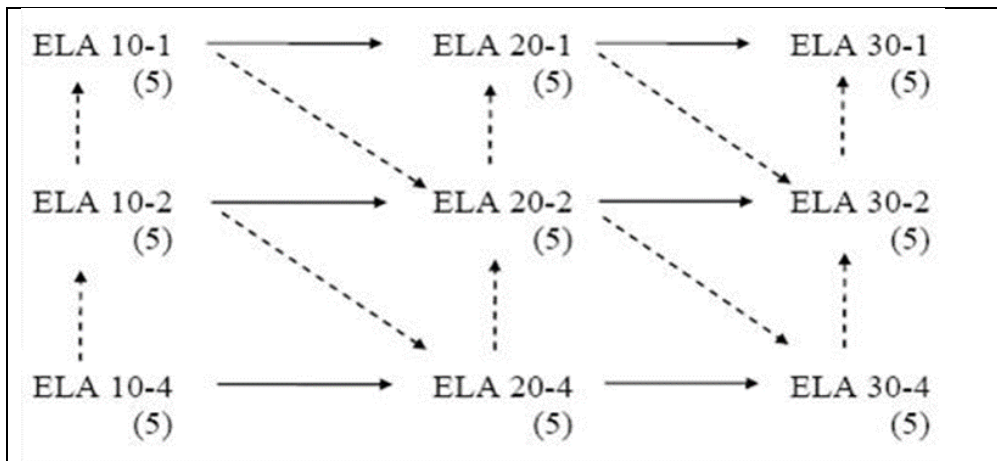
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### Course Descriptions

#### English: Progression Through Course Sequences

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

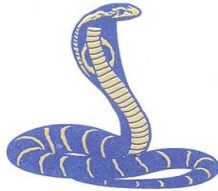


#### **English 30-1 (prerequisite: English 20-1)**

English 30-1 is intended for students who are preparing for academic post-secondary studies and/or those interested in the serious study of language and literature. Through the study of interpretive text, English 30-1 students are exposed to a wide range of human experiences and values. As well, students develop the ability to communicate effectively in academic settings and in daily life. **(5 credits)**

#### **English 30-2 (prerequisite: English 20-2)**

Since many English 30-2 students enter technical schools, trade schools, or the world of work directly from high school, they are expected to develop the communication skills essential for success in work and personal situations. These skills are the selection, organization, and presentation of information for a number of purposes and audiences as well as refining all language arts. The selection of course material encourages students to explore and reflect upon human experience. **(5credits)**

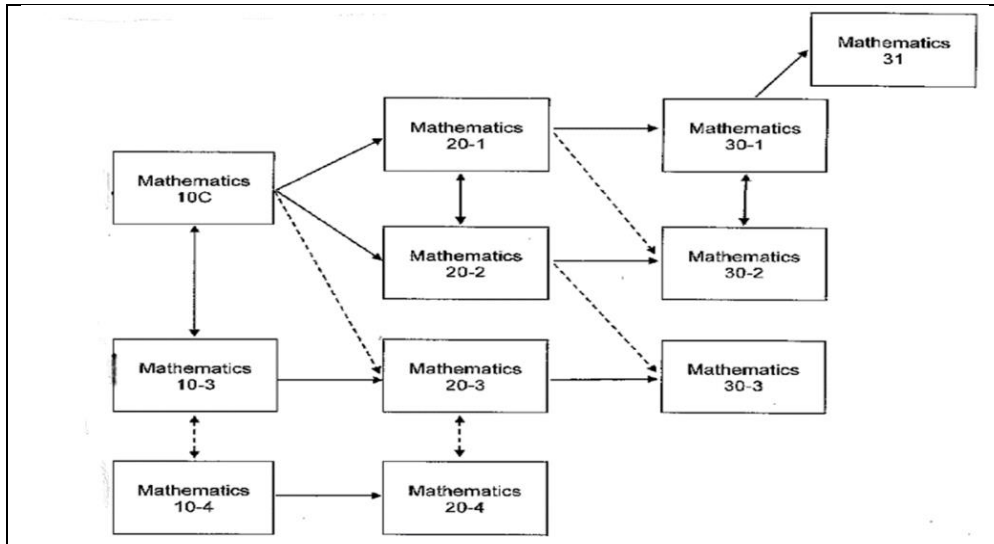


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### Mathematics: Progression Through Course Sequences



#### **Math 30-1 (prerequisite: Math 20-1)**

Math 30-1 is a continuation of Math 20-1. Math 30-1 topics include trigonometry, relations and functions, permutations, combinations and binomial theorem. **(5 credits)** This course focuses on preparing a student for post-secondary courses which calculus is a requirement. Examples of courses include Engineering and Sciences.

#### **Math 30-2 (prerequisite: Math 20-2)**

Math 30-2 is a continuation of Math 20-2. Math 30-2 topics include logical reasoning, probability, relations and functions, mathematical research project. **(5 credits)** This course focuses on preparing students for post-secondary courses where calculus is not a requirement. Examples of courses include Bachelor of Arts, Education (non-math) and Nursing.

#### **Math 30-3 (prerequisite: Math 20-3)**

Math 30-3 is a continuation of Math 20-3. Math 30-3 topics include measurement, geometry, numbers, algebra, statistics and probability. **(5 credits)** This course focuses on preparing students for the transition to the workplace and for many trades and apprenticeships.

#### **Math 31 (pre- or co-requisite: Math 30-1)**

Math 31 is a course covering limits and other pre-calculus concepts, derivatives and their applications, integrals and their applications, and elective topics. **(5 credits)**

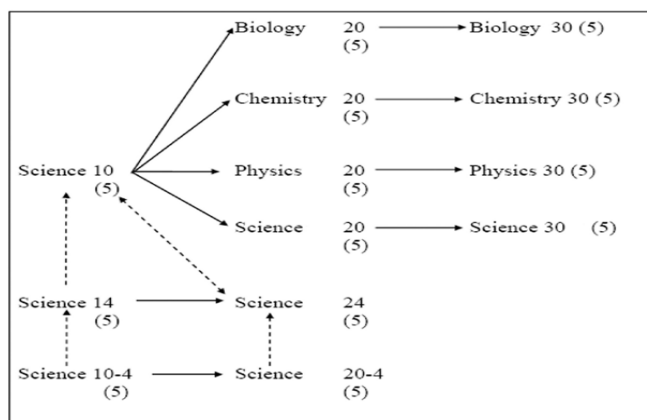


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### Science: Progression Through Course Sequences



#### **Biology 30 (prerequisite: Biology 20)**

Change, genetics, diversity and equilibrium are the major themes of Biology 30. Students will continue studying human anatomy and physiology focusing on the nervous, endocrine and reproductive systems. Various aspects of genetics will be emphasized including inheritance of traits, molecular genetics and population genetics. **(5 credits)**

#### **Chemistry 30 (prerequisite: Chemistry 20)**

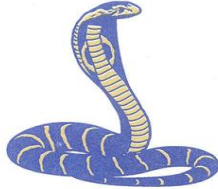
Chemistry 30 uses the topics of thermo chemical change, electrochemical change, acid-base equilibrium and organic chemistry to investigate the dynamics of chemical systems. A strong background in the principles and techniques developed in the Chemistry 20 program is required for this course. **(5 credits)**

#### **Physics 30 (prerequisite: Physics 20)**

The major themes covered in Physics 30 are energy, change, systems, matter, and diversity. The units of study are: Momentum and Impulse, Forces and Fields, Electromagnetic Radiation, and Atomic Physics. **(5 credits)**

#### **Science 30 (prerequisite Science 10)**

Diverse learning experiences within the Science 30 program provides students with opportunities to explore, analyze and appreciate the interrelationships among science, technology, society and the environment, and to develop understandings that will affect their personal lives, their careers and their futures. **(5 credits)**

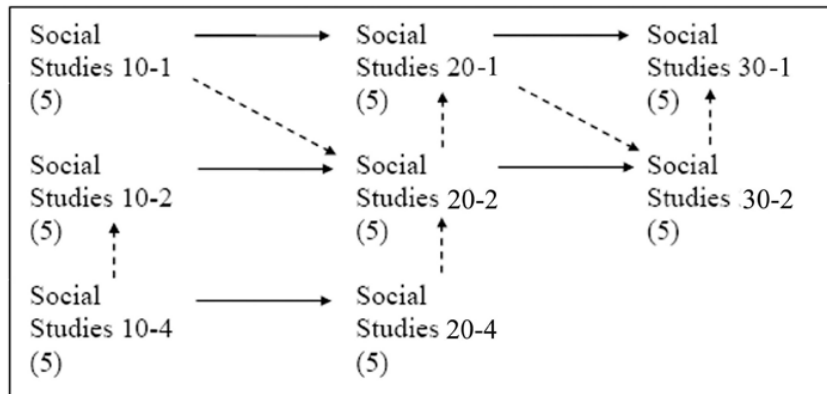


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### Social Studies: Progression Through Course Sequences



***Social Studies 30-1* (prerequisite: **Social Studies 20-1**)** The course focus is on perspectives of ideology. Students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism.  
**(5 credits)**

***Social Studies 30-2* (prerequisite **Social Studies 20-2**)** Students will examine the origins, values and components of competing ideologies. An examination of various political and economic systems will allow students to determine the viability of the values of liberalism.  
**(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.

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**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.**