



**Springbank**  
COMMUNITY HIGH SCHOOL

Rocky View Schools



"Reaching New Heights"

# SPRINGBANK HIGH SCHOOL

## Grade 10-12 Course Planner

### 2017- 2018

(Also available online at <http://springhs.rockyview.ab.ca>)



**Springbank**  
COMMUNITY HIGH SCHOOL

**"REACHING NEW HEIGHTS"**

---

Springbank Community High School, 32226 Springbank Road, Calgary, Alberta, Canada, T3Z 2L9

Tel (403) 246-4771

Email [springcm@rockyview.ab.ca](mailto:springcm@rockyview.ab.ca) • Website <http://springhs.rockyview.ab.ca>

# WELCOME TO SPRINGBANK COMMUNITY HIGH SCHOOL

Springbank Community High School stands out among high schools in Alberta as a strong academic school with well-rounded students prepared to thrive on the global stage. We provide an excellent academic program along with vibrant Fine Arts, Career and Technology Studies (CTS), and Second Language programs. We are in partnership with Global Sports Academy, who offer special programming in hockey, golf and multisport. In addition to our core and elective programs, we offer French Immersion for grades 9-12 and Advanced Placement courses in Art and Math. Our programs are designed by staff so all learners embrace a growth mindset to use skills, knowledge and values to become responsible, productive citizens and lifelong learners.

## Planning Your Courses

This guide is designed to help students plan their high school programs. Program selection should be based on a student's current achievement, teacher recommendations, capabilities, interests and goals. 50% is the **minimum** mark to continue to the next level in any course sequence; however, the **recommended** mark to continue to the next level may be higher. Recommended marks for advancement are indicated along the arrows in the course flow charts. Flow charts for more complex course sequences are provided.

It is the responsibility of the student and parent to ensure the course selections meet the requirements for graduation. Visit the Guidance page on our school website or contact our Career Counselor to learn more about post-secondary education requirements, opportunities and scholarships. Use of myBlueprint will also assist in planning your program. (see below)

## Selecting Your Courses

The programs in this guide are organized by core and elective courses. All students are required to take core courses. Students select from the range of elective courses in keeping with career plans and personal interests. Consider the following before selecting your courses:

1. Before you select a course, ensure that you have completed the pre-requisite.
2. Consult your teacher or the guidance department if you are not sure about the course sequence you should select.
3. Review the courses needed to complete the Alberta High School Diploma (on the next page).
4. Confirm the courses required to meet your post-secondary goals.

## myBlueprint

myBlueprint is the foundational educational planning tool used at Springbank Community High School during your four years here. All students will have myBlueprint accounts to assist with setting goals, tracking high school diploma requirements and exploring post-secondary options. Guidance and Career Counsellors use myBlueprint to gather information on student needs and interests. It facilitates planning by ensuring that your educational interests and aspirations are known by school staff! The interactive component of myBlueprint provides students with an opportunity to plan their education. It is highly customized to meet curriculum and learning outcomes and to build on opportunities and experiences, related to occupational interests. Students build a forward "What if" plan that encourages students to explore options to meet their needs and interests. Explore a wealth of information on post-secondary opportunities across Canada based on personal preferences and saved high school plans. Compare options side-by-side to save time and make the most informed decisions about the future. Head to [www.myblueprint.ca](http://www.myblueprint.ca) and use the access code "springbank" (lowercase, one word) to open your account today!

## Course Load

Grade 10 and 11 students enroll in a full course load within the regular bell schedule and may not have spares. Grade 12 students enroll in six to eight courses within the regular bell schedule and may have up to one spare in each semester. All students may also enroll in one or more of the additional courses offered outside the timetable for extra credit.

## Course and Timetable Changes

Essential timetable changes for both **Semester One and Semester Two**, are to be undertaken in the **first week of school**. A course drop deadline will be advertised each semester. Only under exceptional circumstances would courses need to be changed at any other time of the year.

Each spring, students select core and complementary courses that form the basis of their schedules. The master timetable is designed and built from these course requests to meet the majority of students' programming needs. It is also the single most critical element in staffing and budgeting for the next school year.

Students must choose carefully as only changes to core classes (based on status of pre-requisites) will be considered. Complementary course changes would only be considered in the case of a medical or psychological issue. In certain specific circumstance, student timetable changes are warranted and necessary. *Requests for timetable changes based on teacher preference or placement with peers will not be authorized by the guidance counselor or administration.*

Please ensure you make your course selections very thoughtfully and carefully.

### Acceleration

In order to accelerate in an academic course sequence at the next grade level, a student must have a 90% or higher in the prerequisite course (and 90% in the Grade 9 prerequisite), have a teacher recommendation, and there must be space in the class. Grade 10 students may apply to accelerate in one 20-level academic course. Available spots are assigned according to marks. Grade 11 students may apply to accelerate in one 30 level academic course. Grade 11 students, meeting pre-requisite requirements may accelerate in a second 30 level academic course with permission from administration.

### Advanced Placement (AP) Courses

AP courses are grade 12 level courses intended for students that have demonstrated academic strength and interest. Students in an AP program write the international AP examination in May. Students are charged an exam fee. At some universities, a score of 4 or 5 (out of 5) is accepted as credential for either course credit or advanced placement into a senior level course. This however, depends on the particular university requirements and policy. SCHS offers **Math 35: AP Calculus AB** and **Art 35 AP**.

### Course Offerings

Please note that elective courses must have sufficient enrollment in order to be offered in the timetable.

### Online Learning

WeConnect provides students the opportunity to complete a course on-line through the Rocky View Schools. WeConnect is in a classroom and is supervised by a WeConnect coordinator. Daily attendance is monitored and mandatory. All students in a WeConnect class must complete the work within this classroom. A student may be granted a WeConnect block under the following circumstances:

1. A course does not fit in his/her schedule.
2. There is not a viable in-class option.
3. Graduation credits are required.
4. Space is available.
5. Approval must be granted by an administrator.

# ALBERTA HIGH SCHOOL DIPLOMA REQUIREMENTS

## Students must earn a minimum of 100 credits and complete the following courses:

English Language Arts 30-1 or 30-2  
Social Studies 30-1 or 30-2  
Math 20-1 or Math 20-2 or Math 20-3 or Math 20-4  
Science 20 or 24 or Biology 20 or Chemistry 20 or Physics 20  
Physical Education 10 (3 or 5 credits)  
Career and Life Management (CALM) (3 credits)

## Earn 10 credits in any combination from:

Career and Technology Studies (CTS) : Foods, Media Arts, Sports Medicine, Leadership  
Fine Arts : Music, Drama, Visual Arts  
Second Languages  
Physical Education 20 and/or 30  
Knowledge & Employability occupational courses  
Registered Apprenticeship Program Courses  
Locally Developed Courses

## Earn 10 credits in any 30-level course

### (In addition to 30 level English and 30 level Social Studies), including:

30 level Mathematics, Science, Fine Arts, Languages, CTS, Social Sciences, or Physical Education  
Advanced level (3000 series) in Career and Technology Studies Courses  
35 level locally developed/acquired and locally authorized courses  
35 level Work Experience  
35 level Registered Apprenticeship Program courses  
30-4 level Knowledge & Employability courses

## How credits are awarded:

One high school credit is equal to approximately 25 hours of instructional time. To receive credits in a course, a student must achieve a minimum mark of 50%. Credits can only be earned once in any course. A grade of 50% must be obtained to proceed to the next course in the sequence. No credits will be granted when the maximum credits in a course have been previously awarded. Students achieving between 40% and 49% in a course may, instead of repeating the course, take a course in an alternative sequence or take in credit recovery. Students who successfully complete the next level course in the alternative sequence will then be granted retroactive credit for the prerequisite course. Most Grade 11 and 12 courses require prerequisite courses.

## Provincial Diploma Exams

Provincial Diploma Exams are required in English 30-1 and 30-2, French LA 30-1, Social Studies 30-1 and 30-2, Mathematics 30-1 and 30-2, Science 30, Biology 30, Chemistry 30, and Physics 30. The final mark in these courses is a combination of a school mark and the provincial diploma mark. The school-based portion of the mark accounts for 70% of the overall mark with 30% being based on the diploma exam result.

## Alberta Education Website

Visit <http://education.alberta.ca> for more information about curricula and exams.

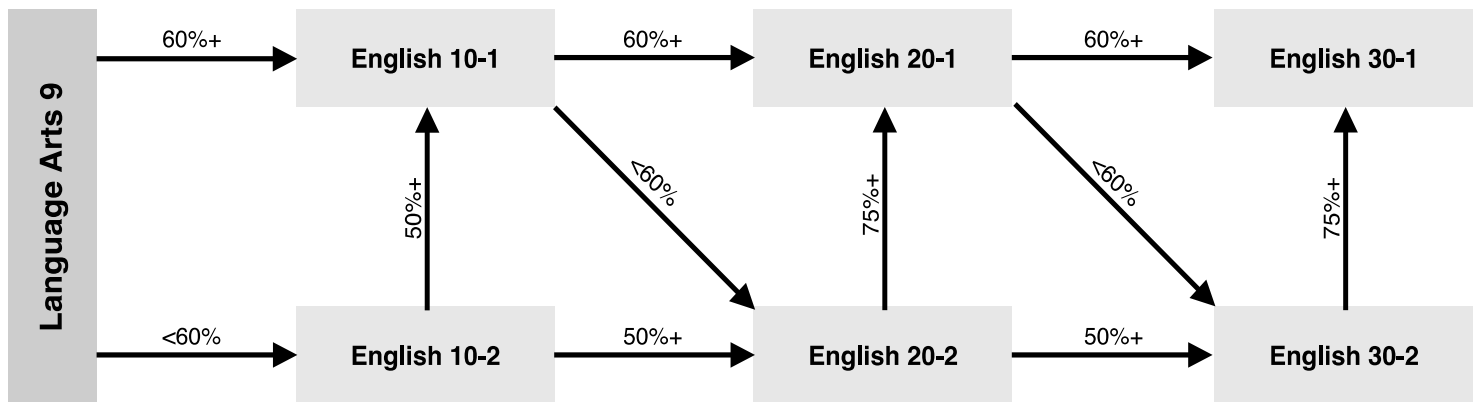
# ENGLISH

## English - 1

This program sequence is designed for students with strong reading and communication skills and an interest in literature. Students will be asked to respond critically and personally to a wide variety of texts. Successful completion of English 30-1 is a requirement for entrance to most university and some other post-secondary programs.

## English - 2

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



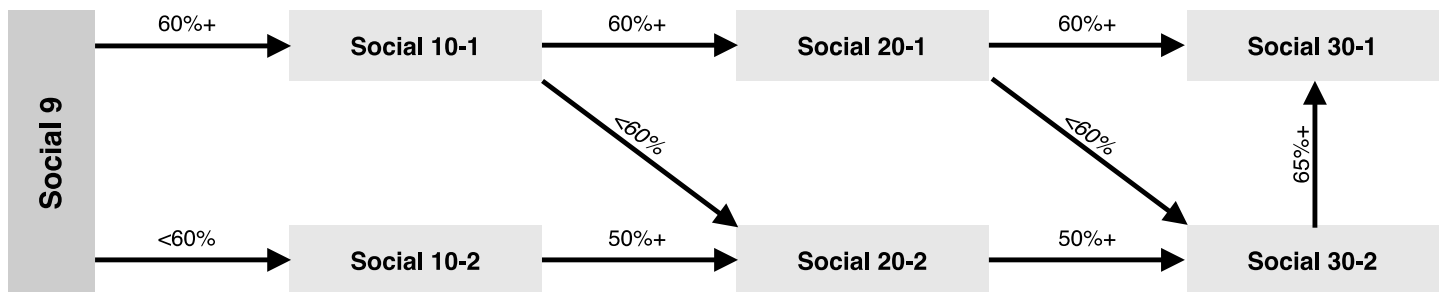
# SOCIAL STUDIES

## Social Studies - 1

This program sequence is designed for academic students with strong communication skills. Students in Social 10-1 explore the origins of globalization and its impact, locally, nationally and internationally, on culture, economies, human rights and quality of life. Social 20-1 students explore the complexities of nationalism in Canadian and international contexts. Students in Social 30-1 explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism. Successful completion of Social Studies 30-1 is a requirement for entrance to most university and some other post-secondary programs.

## Social Studies - 2

This program sequence begins in Social 10-2 in which students explore the history of globalization and its effects on land, culture, human rights and quality of life. Students in Social 20-2 examine historical and contemporary understandings of nationalism in Canada and the world. In Social 30-2, students examine the origins, values and components of competing ideologies. Successful completion of this program provides access to most certificate/diploma programs in colleges and technical institutions.



# SOCIAL SCIENCE ELECTIVES

Minimum number of registrants must be achieved for these complementary courses to run.

## **Western Philosophy 20 (6 credits)**

### **No Prerequisite**

The objective of Philosophy 20 is to introduce high school students to what philosophy is and to identify some basic problems in philosophy. The course addresses three (or more) of the following questions: What is a person? What is a meaningful life? What are good and evil? How do we know what is beautiful in art, music and literature? Students will learn critical-thinking skills in evaluating philosophical arguments related to these questions as well as skills used in researching and investigating various topics in philosophy. The course consists of two 3-credit courses: Origins of Western Philosophy and Contemporary Western Philosophy

## **Philosophy of Man & World Religions 30 (6 credits)**

### **No Prerequisite**

World Religions 30 explores the fundamental concepts of religion and faith including the meaning of religion, development of religion, and faith as the core element of religion. The focus of study includes the 5 major world religions: Christianity, Buddhism, Hinduism, Islam, and Judaism.

Philosophy 30 examines the basic foundations of one's outlook, knowledge and beliefs by looking to answer questions such as: What is Philosophy? What is a Just Society? What is Human Knowledge? How Free is Man? This opens up discussion for a wide range of topics that deal with human interest and looks at the attempts of great philosophers to answer these questions.

## **General Psychology 20 (6 credits)**

### **No Prerequisite**

### **Additional Fee Required (\$15.00)**

This course is designed to present basic psychology as a social science and to promote curiosity about the causes of human behavior. A few of the topics covered include familiarity of main psychologist, multiple intelligences, processes of thinking, facing frustration and conflicts as well as personality and behavior disorders and treatments. This class has a few field trips, one to the "Locked Room" and the other to "Drug Court." The course is discussion based, with a few assignments and a project per unit. The course consists of two different levels: General Psychology is 3 credits and Personal Psychology is 3 credits.

## **Experimental Psychology & Sociology 30 (6 credits)**

### **No Prerequisite**

### **Additional Fee Required (\$15.00)**

This is an inquiry and project based course in Experimental Psychology and Applied Sociology. Students will be introduced to various topics related to psychological testing and the experimental aspects of each discipline and will review well known experiments and scientific research methods, including experimental design and introductory statistical analysis. Formative assessment may take the form of open book quizzes, journal entries and class projects. Students will be given the opportunity to plan, design, complete a combined psychological/sociological experiment of their own, which will be presented to the class. Students will receive 6 credits in total, 3 in Psychology and 3 in Sociology.

## **Western World History & Geography 30 (6 credits)**

### **Pre-requisite: Social Studies 20-1 or 20-2**

Students will use methods of inquiry to understand, analyse and evaluate historical data and information effectively and apply these methods of inquiry to the significant historical events and concepts that shaped the development of Western Europe.

Students will understand and identify elements of physical geography as they relate to patterns of population and settlement and learn about how human settlement and the utilization of natural resources have impacted the Earth. Students will receive 6 credits in total, 3 in World History and 3 in Geography.



# MATHEMATICS

All of the course sequences will give students the mathematical reasoning and critical thinking skills they'll need in life. Students should reflect upon their goals and aptitudes as they choose a Mathematics stream.

I should take...

**Mathematics-1** if I want to study mathematics or sciences at a university, college, or technical institute and go on to a related career.

**Mathematics-1** 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. The sequence is a co-requisite for Mathematics 31 and may be required for post-secondary calculus courses.

**Mathematics-1** includes topics such as permutations and combinations, relations and functions, sequences and series, and trigonometry.

**Mathematics 30-1** is a co-requisite for **Mathematics 31** and may be required for post-secondary calculus courses.

**Mathematics-2** if I want to attend a university, college, or technical institute after high school, but do **not** need calculus skills.

**Mathematics-2** is for students wishing to study at the post-secondary level in diverse fields, including arts programs, some engineering technologies, medical technologies, and some apprenticeship programs. This path will fulfill most students' needs. Mathematics-2 is designed with a great deal of flexibility, so that the student can switch sequences in Grade 11 or Grade 12 if his or her interests change.

**Mathematics-2** includes topics such as relations, functions and equations, probability, statistics, and trigonometry.

**Mathematics-3** if I am interested in learning the mathematics needed to enter most trades or if I want to enter the workforce after high school.

**Mathematics-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.

**Mathematics-3** includes topics such as finance, geometry, measurement, and trigonometry.



**Post-Secondary Information:** Parents and students are encouraged to explore post secondary requirements to assist in deciding which stream would best suite the student.

- <http://alis.alberta.ca/ec/ep/aas/ta/mathreq.html>

**Options:** The Grades 10-12 Mathematics Program was designed to be flexible and to support student needs, thus allows students to flow between the -1 and -2 streams. Since there is overlap between the two streams, some students may choose to take 20-2 semester 1 and 20-1 in semester 2 OR 30-2 semester 1 and 30-1 semester 2. For more information, visit:

- <https://education.alberta.ca/mathematics-10-12/program-supports/everyone/support-documents/>

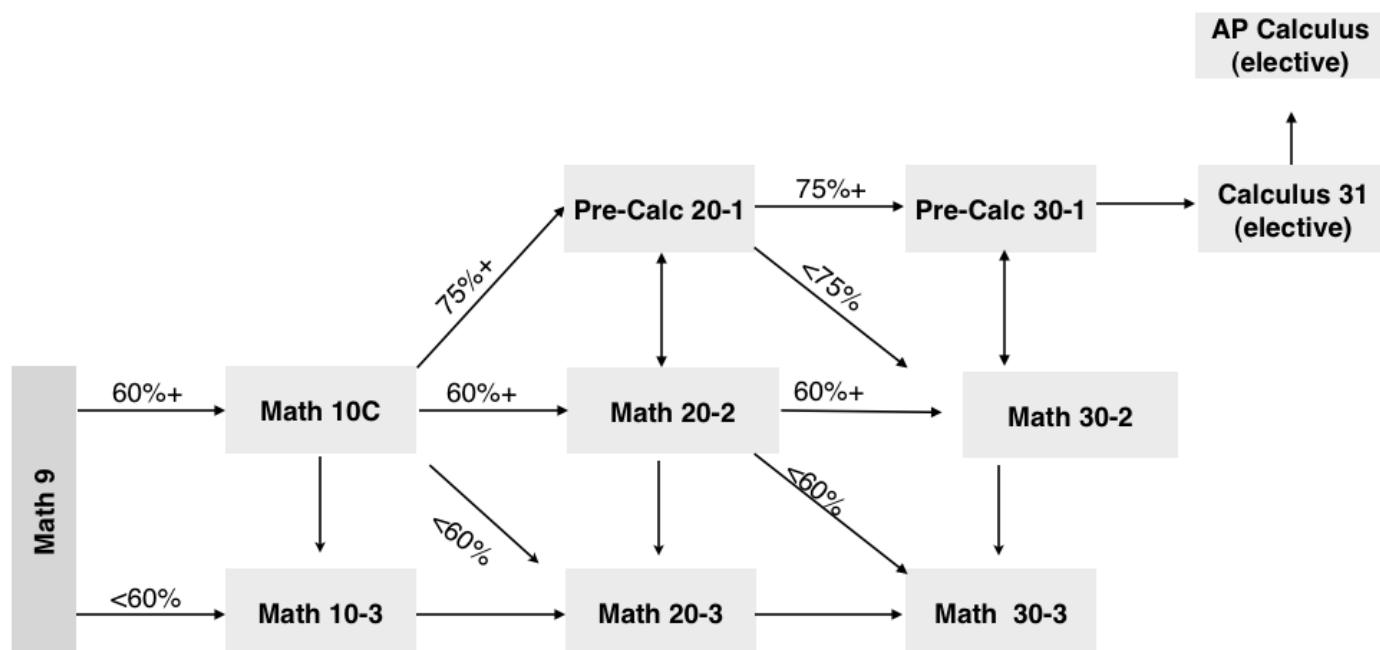
**Industry Information: Parents and students are encouraged to take time and accurately determine which stream is best for the student.** Please visit guidance, search passions and interests as well as economic trends.

- <http://www.youtube.com/watch?v=Qo-cUZ2aRKc>
- <http://www2.macleans.ca/2013/01/16/the-new-underclass/>

After careful consideration, students must decide which stream to start in based on their future goals and their prerequisite grades. SCHS registers students in courses based on recommended prerequisite courses and grades as indicated in the chart below. Students wanting to enter courses without the school recommended prerequisite grade must appeal to the school by completing a waiver form. Parents/guardians, student, teacher, guidance counselor/advisor and administration will be required to sign the waiver. If students are permitted into the course without the prerequisite grade, the teacher will closely track student performance and the waiver will be re-evaluated after three weeks (before the last day to change timetable deadline). During the first three weeks the waived student is required to attend weekly focus blocks, access online resources and may possibly need to explore outside school tutoring.

**AP Calculus AB** - This is a follow-up course to Mathematics 31. Students write the Advanced Placement exam and may be eligible for university credit. The AP exam is usually administered the first week of May and has a fee of \$100. Extensions will be made into the next level (Calculus BC) topics such as Vector Calculus and Infinite Series. BC level topics will not be represented on the Final Exam

## Math Course Sequences



# SCIENCES

## Science 10 • 20 • 30

This program sequence provides students with a unified view of the biological, chemical, physical and earth sciences and an awareness of the connections among them. Science 10 is the prerequisite for all 20 level science courses. Students may take Science 30 with a grade of 50% or higher in any 20 level science course. Science 30 is accepted for entrance into university and post-secondary programs. It is a great course sequence for students who are looking to enter programs in Bachelor of Arts or Business areas.

## Science 14 • 24

This program explores general topics in biology, chemistry, and physics as they relate to life, environmental issues, societal concerns, and the development of new technologies. It's sequence meets the basic requirements for an Alberta High School Diploma and is designed primarily for students planning to enter apprenticeships and trades.

## Biology 20 • 30

### Additional Fee Required (\$10.00 Biology 20 & \$5.00 Biology 30)

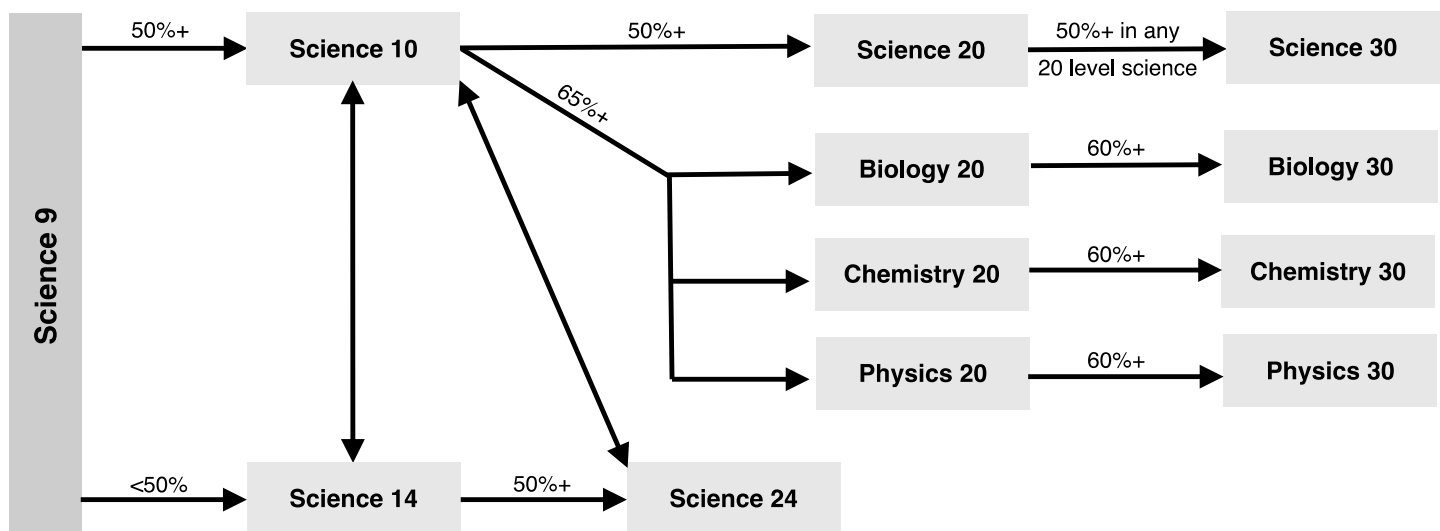
This program sequence begins in Biology 20 with a study of Energy & Matter Exchange in the Biosphere, Ecosystems and Population Change, Photosynthesis & Cellular Respiration and Human Systems. Biology 30 emphasizes adaptation and change and covers Nervous and Endocrine Systems, Reproduction & Development, Cell Division, Genetics & Molecular Biology and Population & Community Dynamics.

## Chemistry 20 • 30

This program sequence is designed to study matter and its changes. Chemistry 20 students explore the Diversity of Matter and Chemical Bonding, Forms of Matter: Gases, Matter as Solutions, Acids & Bases and Quantitative Relationships in Chemical Changes. Chemistry 30 examines Thermochemical Changes, Electrochemical Changes, Chemical Changes of Organic Compounds and Chemical Equilibrium Focusing on Acid-Base Systems.

## Physics 20 • 30

This program sequence begins in Physics 20 with a study of Kinematics, Dynamics, Periodic Motion and Conservation of Energy. Physics 30 students study Momentum & Impulse, Forces & Fields, Electromagnetic Radiation and Atomic Physics. It is recommended that students should have successfully completed Math 20-1 or Math 20-2 prior to taking Physics 20 or 30.



# PHYSICAL EDUCATION

## **Physical Education 10 • 20 • 30**

**Physical Education 10 Pre-requisite: None**

**Physical Education 20, 30 Pre-requisite: Previous level**

**Additional Fee Required (\$135.00 Phys Ed 20&30)**

In this program sequence students develop knowledge, skills and attitudes necessary to lead active, healthy lifestyles. Students participate in activities from all five dimensions of the PE curriculum: Dance, Games, Flexibility, Activities in an Alternative Environment, and Individual Activities. PE10 students take 3-credits in one semester along with 3-credit CALM. PE20 and PE30 are full semester courses that explore a variety of activities that further develop healthy habits and lifestyle. Off-site activities may include: Bowling, skiing/snowboarding, laser tag, archery, swimming.

## **Physical Education 10 - Health and Wellness & Lifestyle Activity (Non-Competitive)**

While covering the curriculum guidelines, the focus is more on non-competitive activities, which emphasize wellness and games. The units covered in this course will include: yoga, Pilates, skating, curling, spin, meditation, low organizational games, and fitness programs with current trends.

## **Physical Education 10 - Athletics, Fitness & Games (Competitive)**

In this course, students will participate and challenge themselves in competitive game settings that may include volleyball, basketball, football, badminton, soccer and other sports. Fitness, wellness and low organizational games may also be a focus.

## **Physical Education 20 • 30 - Health and Wellness & Lifestyle Activity (Non-Competitive)**

While covering the curriculum guidelines, the focus is more on non-competitive activities, which emphasize wellness and fitness. Some units covered in this course include: yoga, Pilates, skating, curling, spin, meditation, low organizational games, and fitness programs with current trends.

Off-site activities: Hiking, yoga, wall climbing, snowshoeing, bowling.

## **Physical Education 20 • 30 - Athletics, Fitness & Games (Competitive)**

In this course, students will participate and challenge themselves in competitive game settings that may include volleyball, basketball, football, badminton, soccer and other sports. Fitness, wellness and low organizational games may also be a focus.

## **Outdoor Education / Wildlife 10**

**Additional Fee Required (\$175.00)**

This is an experiential course where students learn in a variety of settings. There is the potential to earn six credits over the semester. The modules are based on Forestry in Canada, Wildlife Diversity, Outdoor Cooking, Outdoor Survival Skills, Environmental Stewardship and Ecotourism. Students will be immersed in situations where they learn to cook over a fire, build a shelter, protect and explore the environment and work as a team. There are many field trips in this course to ensure that students have an appreciation of their surroundings and have genuine experiences. However, guest speakers and experts in the field will also visit our school and classroom activities are necessary.

## **Sports Medicine 10 • 20**

**Sports Medicine 10 Pre-requisite: None**

**Sports Medicine 20 Pre-requisite: Previous Level**

**Additional Fee Required (\$50.00)**

This incredible option is excellent for a student who is interested in anatomy, physiology and athletic injuries. This is a great complementary course to biology and useful for post secondary pursuits in kinesiology and health sciences. Students have the opportunity to earn five modules in each course. These modules deal with injury management, taping skills, learning the musculoskeletal system, and preventing injuries from occurring. In addition, students will discover the future career options and pathways in the realm of sports medicine and athletic therapy. Lastly they will implement and utilize their skills for a real-life experience in prevention, treatment, and rehabilitation through our volunteer trainer module. One-credit courses in Sports Medicine 10 include Community Volunteerism 1, Musculoskeletal System, Injury Management, Technical Foundations for Injury Management and Health Services Foundations.

In the advanced course, Sports Medicine 20, after a brief review of the key systems and taping practices, students will progress onto an investigation of the complementary therapies available to injured athletes. Later in the course they will do an entire module dedicated to sport nutrition in order to achieve optimal performance for sport and recreation. There is also a self-directed module where students create a project to explore a topic in the field that is of interest to them. In the past students have relished this option and have found it to be an empowering and successful experience. One credit modules in Sports Medicine 20 include Integrative Health, Injury Management 2, Community Volunteerism 2, HCS Project A, Nutrition for Recreation, Activities & Sport.

## **SCHS SPORT ACADEMY/GLOBAL SPORT ACADEMY GROUP**

### **Global Sport Academy (Male & Female)**

**Partnership with SCHS and Global Sport Academy Group – Application to program is required via the Global Sport Academy website and additional fees apply.**

**(Hockey- \$5,450+GST, Golf- \$6,995+GST, Athletics-\$5,450+GST)**

**SCHS Sports Academy 10 - Pre-requisite: Approval of application and acceptance into the program**

**SCHS Sports Academy 20, 30 - Pre-requisite: Previous Level (or approval by school and Academy personnel)**

The Springbank Sport Academy program powered by Global Sport Academy Group, allows motivated and passionate young student athletes an avenue to pursue their academic and athletic goals in a unique and integrated setting. The program, offering hockey, golf, and athletics has a state of the art curriculum delivered, in partnership with SCHS, by industry leaders in athletic, leadership and academic training modules. The program also allows students to earn credits toward graduation in grades ten through twelve. Further information regarding this complementary course offering is available online on our SCHS website at <http://springhs.rockyview.ab.ca/> or at <http://globalsportacademygroup.com> This course will include physical education and complementary course credit. Students registering in the SCHS Sport Academy do NOT register separately in physical education. ***This is subject to sufficient enrollment. Wait list will apply if course is full.***

## CAREER & LIFE MANAGEMENT (CALM)

**CALM is a 3-credit required course for an Alberta High School Diploma.** The aim of CALM is to enable students to make well-informed, thoughtful decisions and choices in all aspects of their lives, developing behaviors and attitudes that contribute to well-being and respect of self and others, now and in the future. This course examines Resource Choices, Career & Life Choices and Personal Choices. High school students can earn their CALM credits in the following ways:

### **CALM In Class** (available for Grade 10)

Grade 10 students will be registered in CALM alongside PE10 in one semester.

### **CALM Summer 2018** (available for Grades 11 & 12 only)

Summer CALM is taken online in July and August, 2018. This course is not available to students *entering* Grade 10.

### **CALM Independent** (available for Grades 11 & 12 only)

Independent CALM is for students who did not complete CALM in grade 10 as is taken online during the school year, in addition to a full course load.

## ALTERNATIVE ELECTIVES

### **SAIT Dual Credit / Financing the Venture**

#### **Pre-requisite: Social Studies 10-1 and CALM**

In partnership with SAIT we are happy to offer this dual credit course. Upon successful completion of all the modules students will receive Management 200 credits with SAIT. Major concepts of study will include: human resources, finance, marketing, accounting, supply chain management and management.

### **Forensic Science 25 • 35**

#### **Pre-requisite: Science 10**

#### **Additional Fee Required (\$20.00)**

Forensic science is the application of scientific principles, methods, and technologies for the purpose of solving debates including legal proceedings. Through the study of forensic science, students are given the opportunity to explore how scientific concepts from a variety of disciplines (biology, chemistry, and physics) apply specifically to this unique field. Topics include crime scenes, evidence collection (fingerprints, blood evidence, hair, fibre, DNA evidence), polygraphing, arson, pathology, entomology, odontology, criminal profiling and various other topics based on student interest, time permitting. Case studies and staged crime scenes are utilized to provide context and real life applications of techniques and skills developed throughout the course. This course will promote the importance of scientific literacy, develop problem solving techniques and critical thought processes. *Note: Forensic Science will only be offered in-class if numbers warrant and is subject to approval by Rocky View Schools.*

## FRENCH AS A SECOND LANGUAGE

### **French as a Second Language (FSL) 10 • 20 • 30**

**French 20, 30 Pre-requisite – Previous Level**

**Additional Fee Required (French 10/ 20 - \$25.00, French 30 - \$30.00)**

French as a Second Language (FSL) is a project-based elective. The grammar and vocabulary are taught within the context of engaging themes, allowing for individual expression, through a variety of written and performance based tasks. The courses are also designed to develop vocabulary relevant for daily communication, to acquire knowledge of French idioms, to practice and use verb tenses, and to further develop reading and speaking skills. The courses integrate all four skills: conversation, comprehension, reading and writing. Through the FSL courses, students will develop increased confidence in understanding and communicating in French, while exploring Francophone cultures around the world. There may also be an opportunity for foreign travel with the goals of enhancing global awareness and directly experiencing the language and culture of a French community.

## FRENCH IMMERSION PROGRAM

French Immersion is a program that offers students the opportunity to acquire language skills that are considerably more advanced than can be accomplished in the French as a Second Language courses. Students who enroll in the French Immersion Program at Springbank Community High School are expected to make the commitment to remain in the program for their three years in high school. Students must plan to complete all requirements of the French Immersion High School Certificate. All courses will follow the Alberta Curriculum and are therefore part of the regular program leading to the Alberta High School Diploma. Students who are not successful in the French Immersion Program or who decide to withdraw from the program will be directed to their designated English program for the next school year.

### **French Language Arts 10 • 20 • 30**

**FLA 10 Pre-requisite – FLA 9**

**FLA 20, 30 Pre-requisite – Previous Level**

This program sequence is designed for French Immersion students. The program continues to develop the student's linguistic skills. The student will develop the ability to think logically, read critically, speak knowledgeably and listen actively to increase understanding, and cultivate their written expression. This program is taken **in addition to** English Language Arts.

### **French Social Studies 10 • 20 • 30**

**ES 10 Pre-requisite – ES 9**

**ES 20, 30 Pre-requisite – Previous Level**

This program sequence is designed for French Immersion students. These courses follow the same curriculum as English Social Studies, except instruction is provided in French.

## SPANISH LANGUAGE & CULTURE

### **Spanish 10 • 20 • 30**

**Spanish 10 Pre-requisite – None**

**Additional Fee Required (\$20.00)**

**Spanish 20, 30 Pre-requisite – Previous Level**

**Additional Fee Required (Spanish 20 - \$20.00, Spanish 30 - \$25.00)**

¡Bienvenido a Español! This program sequence is designed for students to develop Spanish language skills and experience Spanish culture. Spanish students develop skill in listening, speaking, reading and writing and grow in their knowledge of Spanish culture. There may also be an opportunity for foreign travel with the goals of enhancing global awareness and directly experiencing the language and culture of a Spanish community.

# FINE ARTS

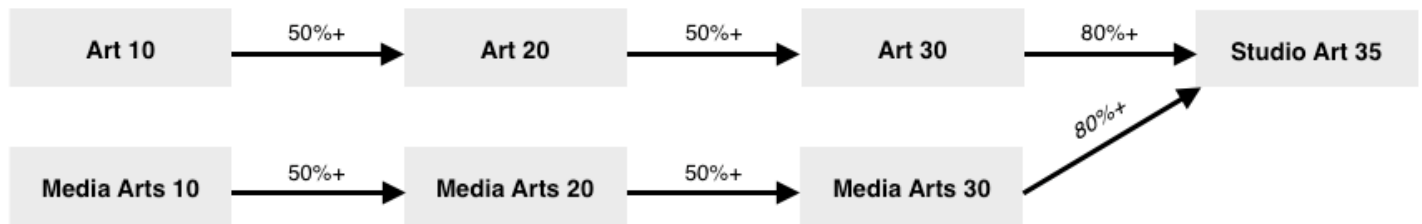
## Art 10 • 20 • 30

**Art 10 Pre-requisite – None**

**Art 20, 30 Pre-requisite – Previous Level**

**Additional Fee Required (\$70.00)**

This program sequence is studio-based emphasizing a variety of media and skills in which to create visual arts. Students explore the mediums of painting, print making, drawing, ceramics and sculpture and installation. Students learn the principles of art making in order to be able to express their ideas and interests to others in an aesthetically pleasing format. The program consists of three general areas of learning: Drawings, Compositions and Encounters. Students create in two dimensional media as well as three dimensional media. Art 30 is a recommended and/or accepted course for entry to many Canadian and American Universities. The skills taught are transferable to multiple career paths.



## Studio Art 35 (AP Art)

**Additional Fee Required (\$100.00)**

This is a specialized course designed for the art student who wishes to pursue further artistic study beyond Art 30. This course requires that the student be highly motivated and interested in his/her own achievement. The Studio Art course is designed to provide students with additional time and studio space to develop quality pieces for college and university portfolio requirements. It is intended to encourage individual growth and development on a highly independent level, focusing on realistic goal setting and achievement. Studio Art allows students to experience college level work in a high school environment. Please note that this course has a \$100 fee to cover materials. Students who submit a portfolio to the AP College Board pay an additional \$100 fee.

## Drama 10 • 20 • 30

**Drama 10 Pre-requisite – None**

**Drama 20, 30 Pre-requisite – Previous Level**

**Additional Fee Required (\$25.00)**

This program sequence includes eight distinct disciplines (movement, speech, improvisation, theatre studies, acting, theatre, technical design and directing), each with its own particular goals and study requirements. Drama provides the opportunity for a thorough introduction to the theatre experience, developing both technical and performance-based skills. Similar to all Fine Arts programs, Drama fosters personal expression and teaches the skills needed to work creatively and confidently with others.



## **Theatre / Musical Theatre Program**

There are two seasons of theatre at SCHS: **Fall Mainstage** and **Spring One Acts**. Rehearsals are scheduled outside the regular bell schedule.

### **Fall Mainstage**

The Fall Mainstage production is a full-length play or musical. Auditions are held in September and are open to all students at SCHS. Involvement in a Fall Mainstage production requires some at-home preparation such as memorization, reading and/or research. Rehearsals begin in September with performances in December.

### **Spring One-Acts**

The Spring One-Acts are performed by those students taking Advanced Acting/Touring Theatre 15/25/35. One-act plays participate in the Springbank Performing Arts Festival and may be selected to represent SCHS at the Zone and Provincial Drama Festivals (which have associated travel costs).

## **Advanced Acting / Touring Theatre 15 • 25 • 35**

**Advanced Acting / Touring Theatre 15 Pre-requisite – Drama 10 and Director Approval**

**Advanced Acting / Touring Theatre 25, 35 Pre-requisite – Previous Level**

**Additional Fee Required (\$35.00)**

Advanced Acting allows students to examine in depth the craft of the actor. Based on the acting criteria developed by National Theatre School, this course is for those students who are (a) actively pursuing theatre as a possible career option or, (b) are not pursuing theatre as a career but possesses the talent and drive necessary to do so. Advanced Acting / Touring Theatre 35 students must be willing to be constructively critical of themselves and others, to take direction and to play a variety of characters not often examined in the traditional 10-20-30 stream.

## **A cappella Choral 10**

**Additional Fee Required (\$20.00)**

This class will focus on developing vocal skills through various repertoire and vocal drills. Students will enhance their vocal ability through ear training, sound production, music literacy and harmony singing. Repertoire will be focused towards modern A cappella music. While the repertoire will be chosen to present a challenge to a developed singer, beginners are also welcome.

## **Instrumental Music (Performance Band) 10 • 20 • 30**

**Instrumental Music 10 Pre-requisite: Music 9 or permission of Director**

**Instrumental Music 20, 30 Pre-requisite: Previous Level**

**Additional Fee Required (\$50.00)**

This program sequence develops a student's musical abilities by playing/singing, listening, reading and creating music. This program consists of three general areas of learning: **performing** – how musical skills are developed and building knowledge and awareness; **listening** – how music is understood and appreciating musicians throughout history; and **composing** – how musical compositions are created and organizing elements of music. Students will showcase their skills in a setting that encourages public performance. *This course may be scheduled outside the regular timetable if there is not sufficient enrollment.*

## **Guitar 10 • 20 • 30**

**General Music 10 Pre-requisite: Music 9 or permission of Director**

**General Music 20, 30 Co-requisite: Instrumental Music 10**

**Additional Fee Required (\$25.00)**

To be a REAL Guitar Hero it takes more than pushing some buttons. You have to pull some strings. This is a hands-on course where students will learn to read and play music on the guitar. The technical skills learned will include various scales and chords that will be applied through the learning and performing of different styles of music. Students will have opportunities to perform as a collective group and in smaller groupings or as solo performers. (This falls in GENERAL MUSIC and students will receive credits for completing the course material).

# CAREER AND TECHNOLOGY STUDIES (CTS)

## **Computer Science and Coding 10**

**Also available to Grade 11 & 12 students**

Students explore hardware, software and processes. This includes an introduction to the algorithm as a problem-solving tool, to programming languages in general and to the role of programming as a tool for implementing algorithms. Students are also introduced to a general programming environment in which they write simple structured algorithms and programs that input, process and output data, use some of the more basic operators and data types, and follow a sequential flow of control.

## **Foods 10 • 20 • 30**

**Foods 10 Pre-requisite – None**

**Foods 20, 30 Pre-requisite – Previous level recommended**

**Additional Fees Required (\$120.00)**

This program sequence expands student knowledge and understanding of the nature of food and nutrition. From the Introductory, through Intermediate and Advanced, all levels of the program work to develop the skills and techniques needed to prepare and present food as culinary art – tantalizing in form, taste, texture and arrangement. This Career and Technology Studies course is designed to be engaging, exciting, and enlightening, but it is not to be taken lightly; credits require a devotion to the classroom, a respect for the environment and its members, as well as a desire to create and learn. Students in this program earn 6 CTS credits per course. Culinary field trips are part of Foods 20 and 30.

## **Leadership 10 • 20 • 30**

**Leadership 10 Pre-requisite – Teacher endorsement**

**Leadership 20-30 Previous Level or teacher endorsement**

**Additional Fee Required (\$25.00)**

This project-based program is ideal for students who are interested in becoming effective change agents. Students experience leadership and volunteerism through real-world projects. Students are given the opportunity to contribute to their school and community while building leadership skills for their future. Leadership is delivered through single credit CTS courses. Students earn up to 5 credits in each course, which *may be offered outside* the regular bell schedule depending on student demand.

## **Media Arts 10 • 20 • 30 – Photography, Film, Graphic Design, Digital Art**

**Media Arts 10 Pre-requisite – None**

**Media Arts 20, 30 Pre-requisite – Previous Level Credits**

**Additional Fee Required (\$100.00)**

This program sequence develops student knowledge, skills and experience in digital multimedia production including photography, graphic design, digital art, stop motion animation and audio/video production. It is an engaging project-based program that challenges students to develop a portfolio of high-quality digital artworks. Students at each level earn a total of 6 CTS credits in Communication Technology. Students registered in Media Arts will have access to a variety of current camera, film and computer equipment, as well as the entire Adobe Creative Cloud suite of software. Exemplary student projects will be submitted for consideration at local film festivals and showcases. There is a course fee of \$100 dollars to cover consumables, and supplies.

Students at the 10 level concentrate on the area of photography, graphic design and filmmaking. They will produce a photography and graphic design portfolio, and two live action films.

Students at the 20-30 level will be given opportunity to specialize in either the photography, film, or graphic art streams or choose from a combination of projects from a combination of streams. Projects may include photography and graphic design and art portfolios, photography books and journals, stop motion animation and a wide variety of film genres. Student choice and project management skills are encouraged and expected at the senior level. Students who complete the Media Arts 30 course may enroll in Studio Art AP 35 and create a portfolio in digital photography or digital art and design. Students may also choose to enrol in Media 15.25.35 concurrently.

## Media Arts 15 • 25 • 35 (Production Company)

**Pre-Requisite: Media Arts 10**

**No Additional Fee Required**

This is a specialized J block course offering students the opportunity to create multimedia productions that showcase the learning and culture of Springbank high school. Students will use skills in photography, filmmaking and graphic design to create multimedia productions that may include yearbook contributions, school life videos, and graphic designs showcasing school productions and events. Students who express interest in this course must have permission of the instructor, and have completed Media Arts 10. This course is offered outside of the timetable and may require time outside of school hours. It may be also be taken concurrently with Media 20, 30.

## Robotics 10

**Also available to Grade 11 & 12 students**

**Additional Fee Required (\$35)**

Students will develop an understanding of robots and how they work. They will learn about basic robot functions. Students will also build a basic understanding of computer programming. Students will do this in groups, working collaboratively with each other to solve problems and compete in classroom and real world robot challenges. Modules may include: DES1020: Design Process, ELT1130: Robotics 1, ELT1140: Robotics Applications 1, CSE1010: Computer Science 1 and CSE1240: Robotics Programming 1

## Travel & Tourism

**Mandatory 2 Credits for students on International Trips**

This course is offered outside the timetable in conjunction with annual international school trips. This course focuses on travel and tourism as the vehicle for a better understanding of the language and culture of the trip destination. Students will do inquiry research and presentations that develop their understandings of the unique characteristics of the chosen world region. Two mandatory and one optional credit CTS courses are available to Grade 10, 11 and 12 students. **All travel expenses are the responsibility of the student.** *Students may only earn course credit once, but may participate in a school trip every year.*

## OFF CAMPUS EDUCATION

Off Campus Education includes **Work Experience, Special Projects, Green Certificate** and the **Registered Apprenticeship Program**. These program sequences provide learning experiences that are not within the scope of the curriculum. Off-campus education provides opportunities for students to explore and expand their skills, knowledge and career interests. These program sequences focus on helping students build an appropriate work ethic to assist them as they transition from high school to the world of employment. These credits can only be earned outside school hours and do not replace regular classes. Please see Mr. Rankin for more information.

## Work Experience 15 • 25 • 35

The Work Experience Program is designed to provide students with an opportunity to explore careers while practicing and developing skills in a real working environment. Work Experience students earn 3–10 credits depending on the number of eligible hours they work. Each 5 credits is equal to 125 hours of work.



## HCS 3000 – Workplace Safety Systems

This 1-credit CTS course is a pre-requisite for both Work Experience and RAP. Students gain the knowledge and skills and attitudes related to workplace health and safety and examine relevant legislation required in the workplace.

## HCS 3010 – Workplace Safety Practices

This 1-credit CTS course is a co-requisite for RAP students. Students explore workplace safety principles and practices, and apply these principles and practices to a variety of contexts.

## Registered Apprenticeship Program (RAP) 15 • 25 • 35

The Registered Apprenticeship Program (RAP) is a way for registered high school students to become apprentices, and earn credits toward an apprenticeship program and a high school diploma at the same time. Students complete one Work Experience course before registering for RAP. Students enrolled in the RAP program can earn from 5–20 credits.

## GREEN CERTIFICATES

The Green Certificate Program ([www.agriculture.alberta/greencertificate](http://www.agriculture.alberta/greencertificate)) is an industry-driven training program available to students and adults. It provides trainees with opportunities to enter a variety of agriculture-related, structured learning pathways as a part of their senior high school program and to earn a credential leading to a career in agribusiness.

There are eight program specializations:

- [Beekeeping production](#)
- [Cow calf beef production](#)
- [Dairy production](#)
- [Equine production](#)
- [Field crop production](#)
- [Feedlot Beef Production](#)
- [Irrigated field crop production](#)
- [Sheep Production](#)
- [Swine production](#)

## KNOWLEDGE & EMPLOYABILITY (K&E) COURSES

Knowledge and Employability courses are available to students in grades 9 through 12 who meet specific criteria. These courses are intended to provide students with opportunities to experience success and become well prepared for employment, further studies, active citizenship and life-long learning. Knowledge and Employability courses include and promote workplace standards for academic, occupational, and employability skills; practical applications through on- and off-campus experiences and/or community partnerships; career development skills to explore careers, assess career skills and develop a career-focused portfolio; and interpersonal skills to ensure respect, support and cooperation with others at home, in the community and at the workplace.

Knowledge and Employability courses are designed to provide entry-level employment skills. When finished, students will achieve a **Certificate of High School Achievement**. Some students may transition successfully from Knowledge and Employability courses to other courses to achieve a high school diploma, or to post-secondary opportunities (e.g. some colleges, some apprenticeship programs). Reviewing each student's learning plan on an annual basis will assist in adjusting his or her goals and courses as needed. Please see the Guidance Department for more information about K&E.

## LEARNING SUPPORT PROGRAM - LEARNING STRATEGIES

Learning Strategies is a course designed for students in grade 10 -12 that wish to gain credits while developing understandings, literacies, skills and values to be successful learners across all subject areas. In collaboration with teachers, educational assistants, peers and parents, support is engaged and strategies are introduced, developed and applied. Through the various activities, students progressively gain confidence, realize independence and achieve success in their subject areas. The content of the Learning Strategies course is organized into 5 major topics: Understanding Self as Learner, Organization & Management of Time and Resources, Understanding the Learning Process, Assessment and Evaluation, and Self-Advocacy. Priority placement exists for students with identified Alberta Education learning codes.

## SCHS 2017-2018 HIGH SCHOOL COURSE OFFERINGS

10 LEVEL	credits	20 LEVEL	credits	30 LEVEL	credits	ADVANCED	credits
English 10-1, 10-2 or 10-4	5	English 20-1, 20-2 or 20-4	5	English 30-1, 30-2 or 30-4	5		
French LA 10-1	5	French LA 20-1	5	French LA 30-1	5		
Social 10-1, 10-2 or 10-4	5	Social 20-1, 20-2 or 20-4	5	Social 30-1, 30-2 or 30-4	5		
French Social 10-1	5	French Social 20-1	5	French Social 30-1	5		
Math 10C	5	Pre-Calc 20-1	5	Pre-Calc 30-1	5	Math 31 (Calculus)	5
						Math 35 AP	3
		Math 20-2	5	Math 30-2	5		
Math 10-3, 10-4	5	Math 20-3	5	Math 30-3	5		
Science 10, 10-4	5	Science 20	5	Science 30	5		
		Chemistry 20	5	Chemistry 30	5		
		Physics 20	5	Physics 30	5		
		Biology 20	5	Biology 30	5		
Science 14	5	Science 24	5				
Physical Ed 10/CALM (Competitive)	3/3	Physical Ed 20 (Competitive)	5	Physical Ed 30 (Competitive)	5		
Physical Ed 10/CALM (Non-Competitive)	3/3	Physical Ed 20 (Non-Competitive)	5	Physical Ed 30 (Non-Competitive)	5		
A cappella Choral 10	5		5		5		
Advanced Acting 15	5	Advanced Acting 25	5	Advanced Acting 35	5		
Art 10	5	Art 20	5	Art 30	5	Studio Art 35 AP	3
Computer Science and Coding 10	5						
Drama 10	5	Drama 20	5	Drama 30	5		
Foods 10	6	Foods 20	6	Foods 30	6		
		Forensic Science 25-35	6	Forensic Science 25-35	6		
French 10 (FSL)	5	French 20 (FSL)	5	French 30 (FSL)	5		
Guitar 10 (General Music)	3 or 5	Guitar 20 (General Music)	3 or 5	Guitar 30 (General Music)	3 or 5		
Instrumental Music 10 (Band)	5	Instrumental Music 20 (Band)	5	Instrumental Music 30 (Band)	5		
Leadership 10	5	Leadership 20	5	Leadership 30	5		
Media Arts 10	6	Media Arts 20	6	Media Arts 30	6		
Outdoor Education 10 (Wildlife)	5						
Western Philosophy 20		Western Philosophy 20	6	Philosophy of Man /World Religions 30	6		
		General Psychology 20	6	Experimental Psychology/Sociology 30	6		
Robotics 10	5	Robotics 10	5	Robotics 10	6		
Spanish 10	5	Spanish 20	5	Spanish 30	5		
Sport Academy 10	5-10	Sport Academy 20	5-10	Sport Academy 30	5-8		
Sports Medicine 10	5	Sports Medicine 10 & 20	5	Sports Medicine 10 & 20			
				Western World History & Geography 30	6		

### Courses offered outside of the timetable

10 LEVEL	20 LEVEL	30 LEVEL
	CALM	CALM
Creative Writing	Creative Writing	Creative Writing
	Green Certificate	Green Certificate
Leadership 10	Leadership 20	Leadership 30
Musical Theatre	Musical Theatre	Musical Theatre
	SAIT Dual Credit / Financing the Venture	SAIT Dual Credit / Financing the Venture
Travel and Tourism	Travel and Tourism	Travel and Tourism
Work Experience 15	Work Experience 25	Work Experience 35

# Course Planning Template

GRADE 10		GRADE 11		GRADE 12	
Course	Credits	Course	Credits	Course	Credits
English <input type="checkbox"/> 10-1 <input type="checkbox"/> 10-2	5	English <input type="checkbox"/> 20-1 <input type="checkbox"/> 20-2	5	English <input type="checkbox"/> 30-1 <input type="checkbox"/> 30-2	5
Social <input type="checkbox"/> 10-1 <input type="checkbox"/> 10-2	5	Social <input type="checkbox"/> 20-1 <input type="checkbox"/> 20-2	5	Social <input type="checkbox"/> 30-1 <input type="checkbox"/> 30-2	5
Math <input type="checkbox"/> 10C <input type="checkbox"/> 10-3	5	Math <input type="checkbox"/> 20-1 <input type="checkbox"/> 20-2 <input type="checkbox"/> 20-3	5		
Science <input type="checkbox"/> 10 <input type="checkbox"/> 14	5	At least one 20-level Science	5		
Physical Education 10/ Career & Life Management	3 / 3				
Mandatory courses		Mandatory courses		Mandatory courses	
<b>TOTAL CREDITS</b>		<b>TOTAL CREDITS</b>		<b>TOTAL CREDITS</b>	
Grade 10 students must register with a minimum of <b>40 credits.</b>		Grade 11 students must register with a minimum of <b>40 credits.</b>		Grade 12 students must register with a minimum of <b>30 credits.</b>	