

# Redwater School

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## Course Selection Guide



**2020-2021**

**Principal – Paul Harnish**

**Vice Principal – Deborah Clark**

**Counsellor – Niki Ballance**

## Setting Your Own Path

### What Are Your Future Goals?

Before you pick your high school courses, take some time to really think about your future goals. What do you want for yourself in the future? What are your values, interests and abilities? You will face many choices as you start to select your high school courses. If you select carefully, you will graduate prepared for a variety of opportunities. If you're not careful, your choices can be limited.

### Remember to Be Flexible

In high school, you will discover more about yourself – what you are good at and what you enjoy. These discoveries may cause you to change your goals and re-evaluate your selection of courses. It is important to set goals and work toward them, but also to be realistic and adaptable.

## How High School Courses Work

### Two Types of Courses

Let's start at the beginning. There are two types of courses: core and complementary.

1. **Core Courses** are English, Social Studies, Mathematics and Science. These are offered at several levels – or routes. Choosing the highest level that you will succeed at is the best way to keep your options open for the future.

2. **Complementary Courses** offer you a chance to broaden your knowledge by studying a variety of subjects including Art, Music, Second Languages, Communication Technology, Fashion Studies, Sports Medicine and many more.

### Every Course Has a Number

- Grade 10 courses begin with a number 1
- Grade 11 courses begin with a number 2
- Grade 12 courses begin with a number 3

*Have Questions or  
Need Some Help?*

**Selecting the right program and courses can be a daunting task. If you ever have any questions or need more information, your teachers, counsellors and administrators are here for you at any time.**

### Courses Have a Natural Sequence

Courses are arranged in sequence, such as English 10-1, 20-1 and 30-1. You need to take them in order. For example, you need to complete English 10-1 before taking English 20-1. English 10-1 is the prerequisite for English 20-1. To complete a course and move onto the next one, you need to earn a mark of 50% or higher.

### A Note About Routes

You do not need to select all your courses from the same route. For example, you may choose English 10-1, Mathematics 10-3 and Social Studies 10-2. You may also transfer from one route to another. Your principal, counsellor or teacher can advise you on the best way and time to make the change.

### Course Changes / Drops

We expect students to remain in the courses they select. Sometimes, however, a course drop or change may be warranted. Students may request a course change by filling out a course change form from Student Services and having their parents sign it. Counselling services and administration then review the request.

# PLANNING YOUR PATH

## GRADE 9

LA 9

Social Studies 9

Phys. Ed. 9

Math 9

Science 9

### Complimentary Courses


## GRADE 10

English

Social

Phys. Ed.

Math

Science

### Complimentary Courses

COURSE	CREDIT
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

**Total Credits**  
(40 credits min.)

## GRADE 11

English

Social

CALM

Math

Science

### Complimentary Courses

COURSE	CREDIT
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

**Total Credits**  
(35 credits min.)

## GRADE 12

English

Social

Math

Science

### Complimentary Courses

COURSE	CREDIT
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

**Total Credits**  
(30 credits min.)

**TOTAL HIGH SCHOOL CREDITS**



# PLANNING INFORMATION

## Entering Grade 10?

### Choosing the Right Route

Your marks help determine which program route you should be registered in. Based on your mid-year report cards, we grant you conditional acceptance during the spring registration. At the end of June, your junior high will typically forward us your final report card or transcript and we will review your registration then.

Grade 10	Grade 11	Grade 12
Must be registered in 40 credits	Should have already earned 40 credits	Should have already earned 80 credits
(No spare)	(No spare)	Must be registered in 35 credits

## How Do I Get My Diploma?

### 100 is the Magic Number

To qualify for the Alberta High School Diploma, you must obtain a minimum of 100 credits in high school. Most of these credits will be earned through required courses as indicated in the chart on page 7. The other credits will be earned through complementary courses you choose. Choose your complementary subjects carefully so you gain skills that will be useful when you graduate.

Prerequisite Course	Final Mark (recommended final mark)	High School Course
Language Arts 9	65% or higher	English 10-1
Social Studies 9	65% or higher	Social Studies 10-1
Mathematics 9	65% or higher	Mathematics 10C
Science 9	65% or higher	Science 10

Registered Course Failed	Alternate Course Passed *	Credit Granted For
Social Studies 10-1	Social Studies 20-2	Social Studies 20-2 and 10-2
Social Studies 10-2	Social Studies 20-4	Social Studies 20-4 and 10-4
English 10-1	English 20-2	English 20-2 and 10-2
English 10-2	English 20-4	English 20-4 and 10-4
Mathematics 10C	Mathematics 20-3	Mathematics 20-3 and 10-3
Mathematics 10-3	Mathematics 20-4	Mathematics 20-4 and 10-4
Science 10	Science 24	Science 24 and 14
Science 14	Science 20-4	Science 20-4 and 10-4
Mathematics 20-1	Mathematics 30-2	Mathematics 30-2 and 20-2
Mathematics 20-2	Mathematics 30-3	Mathematics 30-3 and 20-3
Social Studies 20-1	Social Studies 30-2	Social Studies 30-2 and 20-2
English 20-1	English 30-2	English 30-2 and 20-2

### How Do I Earn Credits?

**1.** You must earn a minimum mark of 50% to receive a credit in a course. You must also earn a minimum of 50% in one course (e.g. English 10-1) before moving onto the next level of that subject (e.g. English 20-1).

**\* 2.** If you achieve a final standing of 40-49% in certain courses, you may choose to continue at the next grade level in the lower route. If you pass the next grade level, you will earn credit for this course and its normal prerequisite. These are retroactive credits.

# 100 Credits

including the following

**English Language Arts – 30 Level**  
(English Language Arts 30-1 or 30-2)

**Social Studies – 30 Level**  
(Social Studies 30-1 or 30-2)

**Mathematics – 20 Level**  
(Mathematics 20-1, Mathematics 20-2 or Mathematics 20-3)

**Science – 20 Level**  
(Science 20, Science 24, Biology 20, Chemistry 20 or Physics 20)

**Physical Education 10** (3 credits)

**Career and Life Management** (3 Credits)

## **+10 Credits**

- Career and Technology Studies (CTS)
  - Fine Arts
  - Languages
- Physical Education 20 and/or 30
- Locally developed/acquired and locally authorized courses in CTS, fine arts or second languages
  - Knowledge & employability courses
  - Work Experience and RAP

## **+10 Credits in any 30-level course**

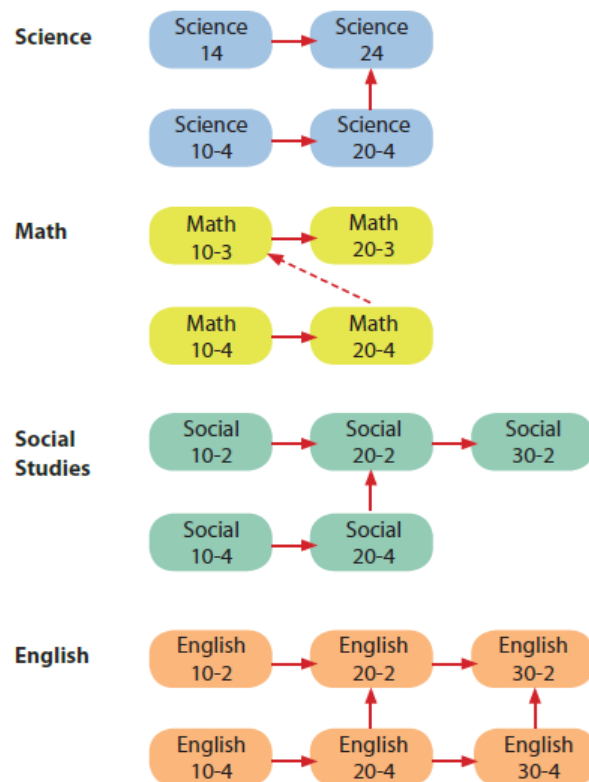
- Advanced level (3000 Series) in; Career and Technology Studies (CTS)
- 30-level Locally developed/acquired and locally authorized courses
  - 30-level Work Experience
  - 30-level Knowledge & Employability Program Courses
    - 30-level Registered Apprenticeship Courses
    - 30-level Green Certificate Specialization Courses
      - Special Projects 30
      - Computing Science 30
    - 30-level Math and Science

## CERTIFICATE OF HIGH SCHOOL REQUIREMENTS

*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 <small>including the following:</small>
<b>ENGLISH LANGUAGE ARTS 20-2 or 30-4</b>
<b>MATHEMATICS 10-3 or 20-4</b>
<b>SCIENCE 14 or 20-4</b>
<b>SOCIAL STUDIES 10-2 or 20-4</b>
<b>PHYSICAL EDUCATION 10 (3 or 5 CREDITS)</b>
<b>CAREER AND LIFE MANAGEMENT (5 CREDITS)</b>
<p><b>+5 Credits</b></p> <ul style="list-style-type: none"> <li>30-level Knowledge and Employability occupational course, or</li> <li>30-level Career and Technology Studies (CTS), or</li> <li>30-level locally developed course with an occupational focus</li> </ul> <p><b>+5 Credits</b></p> <ul style="list-style-type: none"> <li>30-level Knowledge and Employability Workplace Practicum course, or</li> <li>30-level Work Experience course, or</li> <li>30-level Green Certificate course</li> </ul> <p><b>or 5 Credits</b></p> <ul style="list-style-type: none"> <li>30-level Registered Apprenticeship Program (RAP) course</li> </ul>

### TRANSFER ROUTES FROM K&E CORE COURSES TO DIPLOMA COURSES



NOTE: Students who wish to achieve a High School Diploma after their Certificate of Achievement would have to take ENGLISH 30-2, SOCIAL STUDIES 30-2 and 10 credits of additional 30-level courses, which could include WORK EXPERIENCE 35. If students are moving from regular stream courses into K&E, they must qualify according to Sturgeon School Division policy. You are advised to discuss this with a school counsellor.  
\*It is recommended that students who pass Math 20-4 and wish to transfer to the Diploma take Math 10-3 first.

## What are Knowledge and Employability Courses?

The purpose of Knowledge and Employability (K&E) course are to help students:

- Develop essential concepts, skills, and attitudes in preparation for their role in the workplace, community and home.
- Obtain a sense of success and achievement in their learning experiences, thereby enhancing self-esteem.
- Develop entry level job skills
- Recognize the need for lifelong learning.

## COURSE DESCRIPTIONS

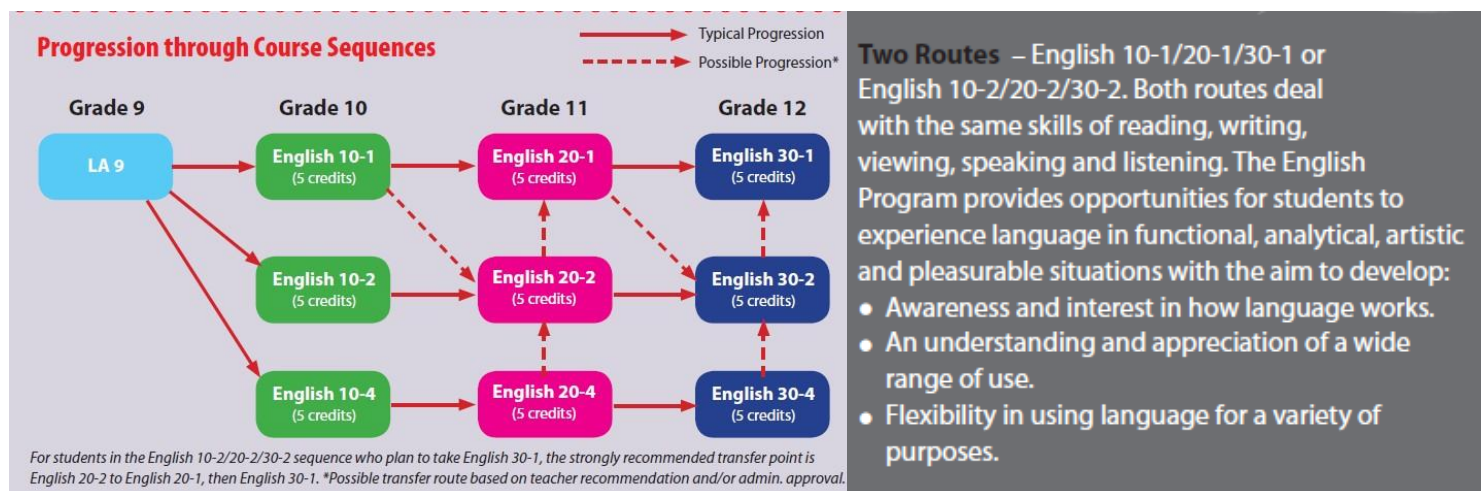
### ENGLISH LANGUAGE ARTS

There are two basic aims of senior high school English language arts. One aim is to encourage, in students, an understanding and appreciation of the significance and artistry of literature. A second aim is to enable each student to understand and appreciate language and to use it confidently and competently for a variety of purposes, with a variety of audiences and in a variety of situations for communication, personal satisfaction and learning. An appreciation of literature and an ability to use language effectively enhance students' opportunities to become responsible, contributing citizens and lifelong learners while experiencing success and fulfillment in life. As strong language users, students will be able to meet Alberta's graduation requirements and will be prepared for entry into post-secondary studies or the workplace. Senior high school students must be prepared to meet evolving literacy demands in Canada and the international community.

#### ROUTES AND PREREQUISITES

The following chart shows combinations of routes and is recommended according to Alberta Education.

#### ROUTES AND SEQUENCES



Please note that students in English 10-2/20-2/30-2 sequence who plan to eventually take English 30-1; the recommended transfer point is English 20-2 to English 20-1 to English 30-1.

### MATHEMATICS

#### Choosing the Right Sequence

##### It all adds up

In order to ensure that all Alberta students have the opportunity to graduate with the mathematical skills and knowledge necessary to succeed in the future, Alberta Education has revised the high school mathematics program of studies.

Alberta Education worked closely with teachers, the Mathematics Council of the Alberta Teachers' Association, leaders in business and industry, and representatives from post-secondary institutions—including colleges, technical institutes and universities—to create courses that not only meet the specific needs of all students, but also increase their future education and career opportunities.

**Students are encouraged to consider both their current interests and their future plans when deciding upon a course sequence.**

**Course sequences**

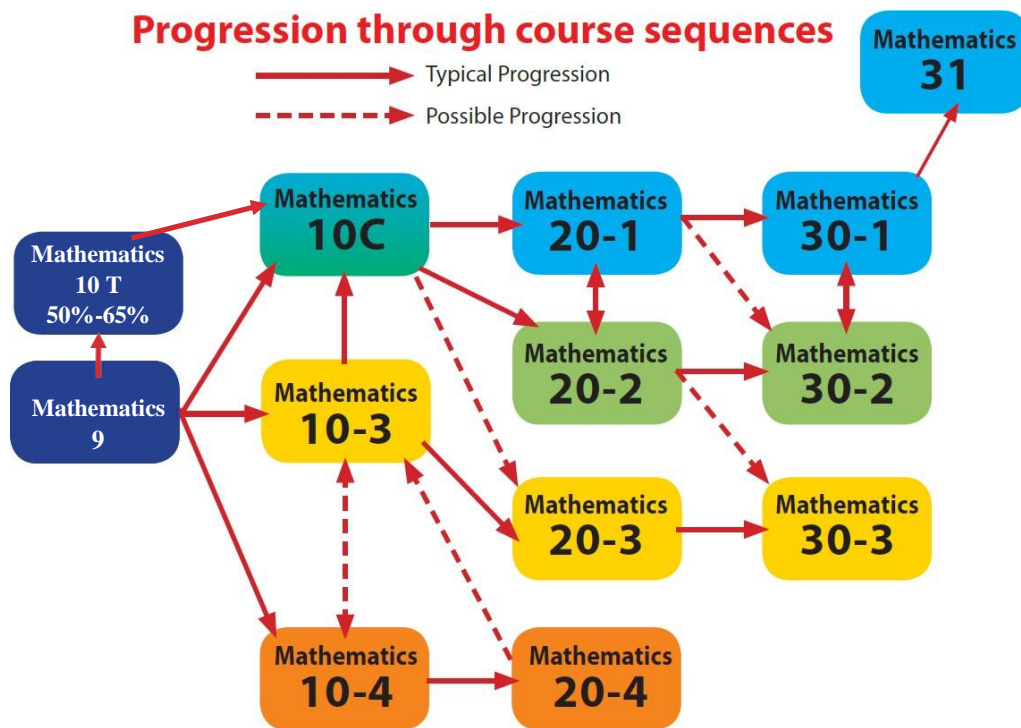
Please note: All three course sequences will provide students with both mathematical reasoning and critical-thinking skills.

<b>Mathematics -1 Course Sequence For entry into:</b>	post-secondary programs at universities, colleges and technical institutes that may require further study of mathematics; e.g.: Engineering Mathematics Sciences Business
<b>Designed for:</b>	students interested in careers emphasizing mathematics or sciences
<b>Additional information:</b>	<p>This sequence: is a co-requisite for Mathematics 31 may be required for post-secondary study of calculus</p> <p>Topics in this sequence include permutations and combinations, relations and functions, sequences and series, and trigonometry.</p>

2 Prerequisites for programs offered at post-secondary institutions should always be confirmed with the institution as they can change on a yearly basis.

<b>Mathematics -2 Course Sequence For entry into:</b>	many programs at universities, colleges and technical institutes, including some apprenticeship programs; e.g.: Arts programs Civil engineering technology Medical technologies
<b>Designed for:</b>	students interested in careers in a wide variety of areas <i>(This sequence is designed to fill the needs of most students.)</i>
<b>Additional information:</b>	<p>This sequence provides a student with a <b>high degree of flexibility in terms of changing course sequences</b>—at both the Grade 11 and Grade 12 levels—if the student's interests change.</p> <p>Topics in this sequence include relations and functions, equations, probability, statistics and trigonometry.</p>





**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, specifically levels one to three. Mathematics-3 includes topics such as finance, geometry, measurement, and trigonometry.

**Mathematics 10-4, 20-4** (5 credits: recommendation of feeder school or grade 9 Math teacher)

Knowledge and Employability mathematics courses focus on developing essential mathematics knowledge, skills and attitudes needed for everyday living at home, in the workplace and in the community. This sequence is designed for students whose needs, interests and abilities focus on basic mathematical understanding; e.g., literacy. Emphasis is on the acquisition of practical life skills and competency in using mathematics to solve everyday problems, interpret information and create new knowledge within the contexts of the home, the workplace and the community.

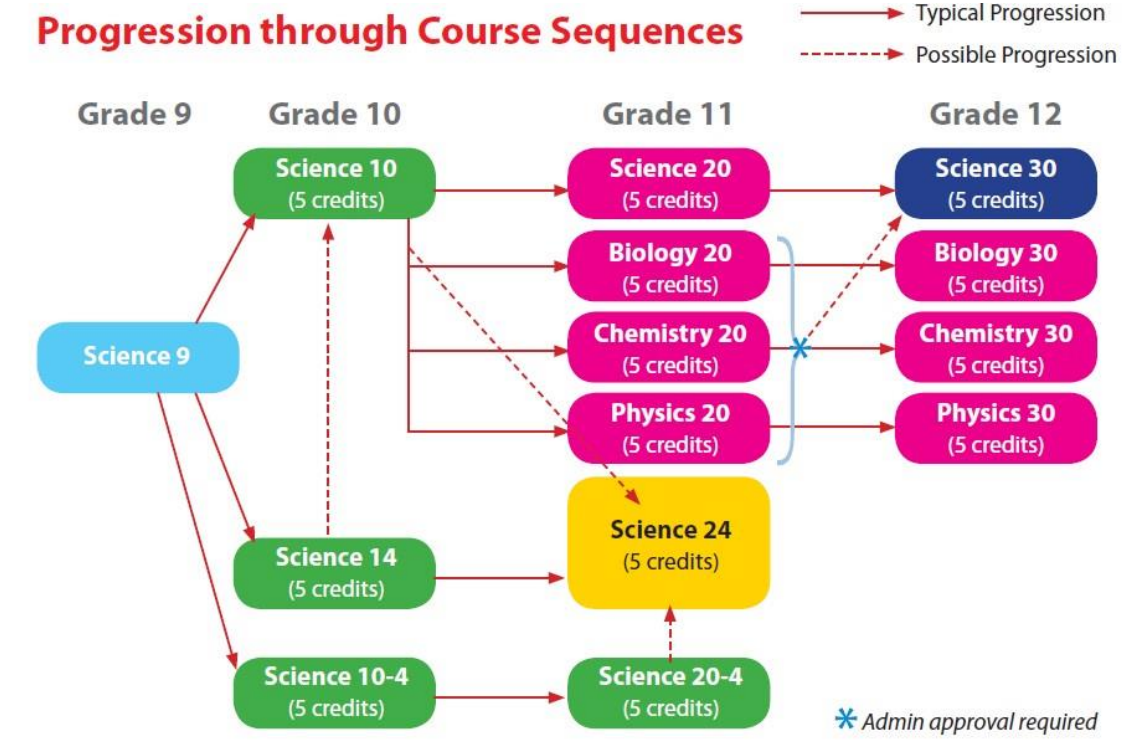
#### What is the calculator policy for mathematics?

To ensure compatibility with the provincial programs of study, and equity and fairness to all students, Alberta Education expects students to use calculators in their day-to-day studies as well as when writing diploma examinations in mathematics and the sciences.

Math 10-C, 20-1/20-2, 30-1/30-2, and 31, Physics 20 & 30 require T1- Inspire or T1-84 Plus. This can be used for Science 10, Chem. 20/30 & Bio 20/30 as well – All science programs and Math 10-3, 20-3, 30-3, 10-4 & 20-4 require at minimum a scientific calculator. The T1-Inspire or T1-84 plus can be used if the student has one.

# SCIENCE

## Science Program



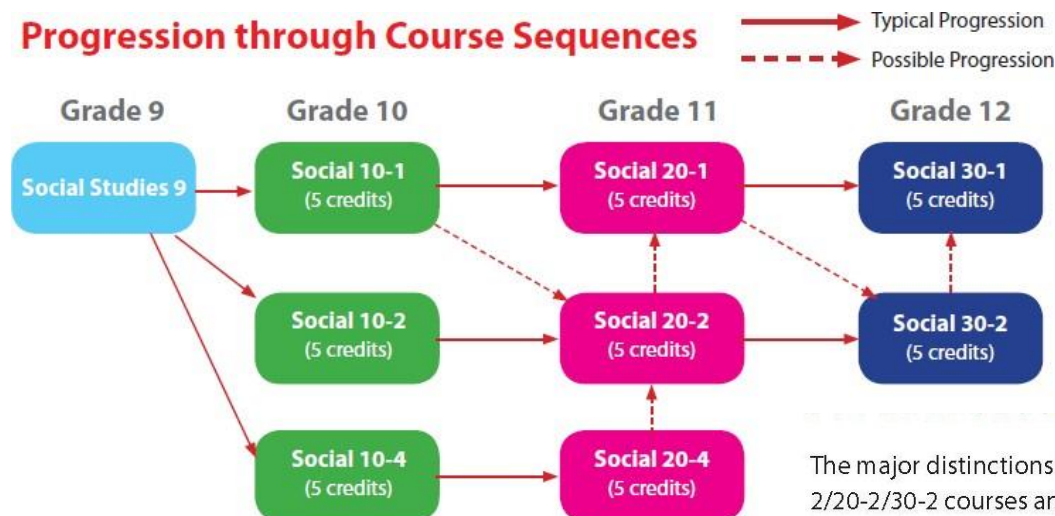
Senior High Science Programs focus on students learning the big interconnecting ideas and principles of science. These ideas, or major principles, originate from science knowledge that transcends and unifies the natural science disciplines. These major ideas include change, diversity, energy, equilibrium, matter and systems; the process by which scientific knowledge is developed including the role of experimental evidence; and the connections among science, technology and society. The ideas will also form a framework for the curriculum, provide continuity with the junior high program and build on a student's previous learning.

The Senior High Science Programs place an increased emphasis on developing methods of inquiry that characterize the study of science. For example, students will further their ability to ask questions, investigate and experiment; gather, analyze and assess scientific information; and test scientific principles and their applications. They will develop their problem solving ability and use technology appropriately. By providing students with opportunities to develop and apply these skills, they will better understand the knowledge they have acquired.

The Senior High Science Programs places students at the centre. Students are active learners and will assume increased responsibility for their learning.

## SOCIAL STUDIES

### Progression through Course Sequences



The major distinctions between the Social Studies 10-2/20-2/30-2 courses and the 10-1/20-1/30-1 courses will be in the areas of organization for instruction, instructional methodology, resources and evaluation strategies.

Social is offered in two routes: Social 10-1, 20-1 and 30-1 or Social 10-2, 20-2, and 30-2. The academically rigorous -1 route is designed for students who intend to enroll in a degree program at a postsecondary institution. The -2 route is more general in nature and is designed for students who plan to enroll in a diploma program at the post-secondary level, or enter the workforce out of high school. Please note all students must obtain either Social 30-1 or Social 30-2 to earn an Alberta High School Diploma.

### SOCIAL STUDIES PROGRAM

Please note that students in Social 10-2/20-2/30-2 sequence who plan to eventually take Social 30-1, the recommended transfer point is Social 30-2 to Social 30-1. Students should be enrolled in or have completed an equivalent level English course within the same school year.

## WORK EXPERIENCE COURSES

A work experience course is employment taken by a student as an integral part of a planned school program which is under the cooperative supervision of a teacher-coordinator and an employer. **(Note: Available only after HCS3000 and recommended HCS3010.**

#### Regulations and Credits

1. Students registering in Work Experience for the first time must complete HCS3000.
2. To obtain credits, work experience must be carried out under the supervision and guidance of a teacher.
3. Students can obtain up to 30 credits in Work Experience 15 which count for diploma requirements.
4. To qualify for 5 credits, the work experience shall be at least for 125 hours duration.

5. Credits from work experience shall be within the normal credit load of around 40 credits in any one school year.
6. Students registering in work experience must submit the forms to the off campus coordinator.

Work Experience	Registered Apprenticeship Program	Alberta Agriculture Green Program
Up to 30 credits	Up to 40 credits	Up to 16 credits per program

## REGISTERED APPRENTICESHIP PROGRAM

This is a program for high school students to become an apprentice and gain credits towards both an apprenticeship program and a high school diploma at the same time. An apprentice is someone learning a trade while he or she is employed. Usually, apprenticeship is post-secondary training. But the Registered Apprenticeship Program (RAP) is a special program that starts an apprenticeship during high school. Apprenticeship is a combination of on the job training, work experience, and technical training in a trade. Apprentices spend about 80% of the time learning on the job from a qualified tradesperson. The rest of the time, they take technical training programs, usually at colleges or technical institutions. An apprenticeship program lasts 1 to 4 years depending on the trade. From day one, apprentices earn a pay cheque for their time on the job. RAP apprentices earn at least minimum wage. The pay increases as the training progresses. When apprentices complete their apprenticeship they become certified journeymen. The Alberta Journeyman Certificate proves to themselves and to any future employer that they meet Alberta's high industry standards. RAP is an agreement between you, your employer and your school. The whole idea is for everyone to be flexible. Hours of work depend on your agreement, but they could involve:

- working as a RAP apprentice for one semester, going to school the next
  - working a half day, going to school the other half
  - working during the summer, on holidays and weekends, and attending school during the regular term
- (NOTE: Available only after HCS3000, recommended HCS 3010)

## ALBERTA AGRICULTURE GREEN PROGRAM

A Green Certificate recognizes the skill competence achieved by a person who works and trains in the farming industry. Through apprenticeship style training, individuals gain competence in career skills in any of the following production areas: Cow-Calf, Field Crop, Dairy, Feedlot Beef, Sheep, Irrigated Crop, and Swine. The Green Certificate Program is operated by Alberta Agriculture, Food & Rural Development in partnership with the farming industry. Selected modules in the Agriculture Stand of Alberta Education's Career & Technology Studies curriculum relate to the Green Certificate Program. The Work Experience 15-25-35 Program which awards credits for structured learning time. The work phase can be used to access Green Certificate training. Another option includes work based training credits under special projects. A suitable training farm has equipment and facilities to enable students to develop the skills listed in the Certificate, and a business philosophy which supports the development of people. (NOTE: Available only after HCS3000 and AGR3000 are completed.)



# Course Selections

Please fill out form front and back and return to Ms. Ballance

Name: \_\_\_\_\_

Grade: \_\_\_\_\_

	Grade 10	Credit	Grade 11	Credit	Grade 12	Credit
ENGLISH	English 10-1	5	English 20-1	5	English 30-1	5
	English 10-2	5	English 20-2	5	English 30-2	5
	English 10-4 (K&E)	5	English 20-4 (K&E)	5	English 30-4 (K&E)	
SOCIAL	Social Studies 10-1	5	Social Studies 20-1	5	Social Studies 30-1	5
	Social Studies 10-2	5	Social Studies 20-2	5	Social Studies 30-2	5
	Social Studies 10-4 (K&E)	5	Social Studies 20-4 (K&E)	5		
MATH	Math 10C	5	Math 20-1	5	Math 30-1	5
			Math 20-2	5	Math 30-2	5
	Math 10-3	5	Math 20-3	5	Math 30-3	5
	Math 10-4 (K&E)		Math 20-4 (K&E)	5		
					Math 31	5
SCIENCE	Science 10	5	Science 20	5	Science 30	5
			Biology 20	5	Biology 30	5
			Chemistry 20	5	Chemistry 30	5
			Physics 20	5	Physics 30	5
	Science 14	5	Science 24	5		
	Science 10-4 (K&E)	5	Science 20-4 (K&E)	5		
CALM			CALM	3		
Info Pro	Info Pro 10	5				
P.E.	PE 10	5	PE 20	3/5	PE 30	3/5
					PE 30 off campus	5
ARTS	Art 10	3/5	Art 20	3/5	Art 30	5
	Musical Theatre 15	5	Musical Theatre 25	5	Musical Theatre 35	5
	Instrumental Music 10	3/5	Instrumental Music 20	3/5	Instrumental Music 30	5

We are cycling Sciences in grades 11 & 12. Every 2<sup>nd</sup> year we will offer the corresponding Sciences. This upcoming year we are offering Chemistry 20 & 30 and Science 20 & 30 in class.

# Course Selections

	Grade 10	Credit	Grade 11	Credit	Grade 12	Credit
CTS	Comm. Tech 10	5	Comm. Tech 20	5	Comm. Tech 30	5
	Construction 10	5	Construction 20	5	Construction 30	5
	Makerspace 10	3	Makerspace 20	3	Makerspace 30	3
	Fashion 10	3	Fashion 20	3	Fashion 30	3
	Foods 10	3	Foods 20	3	Foods 30	3
	Logos- Religious Studies	3	Logos- Religious Studies	3	Logos- Religious Studies	3
	Wildlife 10	3	Wildlife 20	3	Wildlife 30	3
	Aboriginal Studies	3/5	Aboriginal Studies	3/5	Aboriginal Studies	3/5
	Cree 10	5	Cree 20	5	Cree 30	5
	Spanish 10	5	Spanish 20	5	Spanish 30	5
	French 10	5	French 20	5	French 30	5
			Forensics 25	3		
	Work Experience 15	3-10	Work Experience 25	3-10	Work Experience 35	3-10
	Green Cert. Agricultural Training	5-16	Green Cert. Agricultural Training	5-16	Green Cert. Agricultural Training	5-16
			Registered Apprenticeship Program	5-40		

**\*\*Final Course offerings to be determined by student enrollment\*\***