2022 - 2023

Registration Guide

WELCOME

Welcome to EPC

This registration guide is designed to assist you in exploring the rich and varied programs offered at Edwin Parr Composite High School. Additional information can be found on our website at: https://epc.aspenview.org/ or call the school at 780- 675-2285.

Who May Attend

The normal prerequisite to high school is successful completion of grade nine. Students who are or will be 19 prior to September 1st must meet with an administrator prior to completing their registration. Individuals who are 20 or over on September 1st are directed to visit the local college to explore further education opportunities. Foreign and Out-of-Province Students are subject to a tuition fee in addition to regular school fees. Out also accepts adult students.

Services

Student Services

The role of Student Services is to serve students, parents and teachers in such a way that each student has the opportunity to be successful in his or her educational development. Student Services offers the following services:

First Nations, Metis and Inuit (FNMI)

Here at EPC, we work together with First Nations, Metis and Inuit (FNMI) communities, elders, parents, teachers and other education stakeholders to best meet the needs of FNMI learners.

Well Being Counseling:

Well Being Counseling offers the following services to students:

- Crisis counseling
- Personal/peer/family counseling
- Referrals to School Team
- Referrals to community agencies

Career/Academic Counseling:

Offers the following information and services to students:

- My Blueprint
- Registration information
- Course selections
- Program planning
- Diploma requirements Timetables
- Off campus evaluations
- Attendance/achievement referrals from students, parents, & teachers
- Career investigations
- Interest and Aptitude testing
- Post-secondary information
- Scholarships & Awards student loans
- School to work transitions
- Volunteer Opportunities & Student Exchanges

Course Information

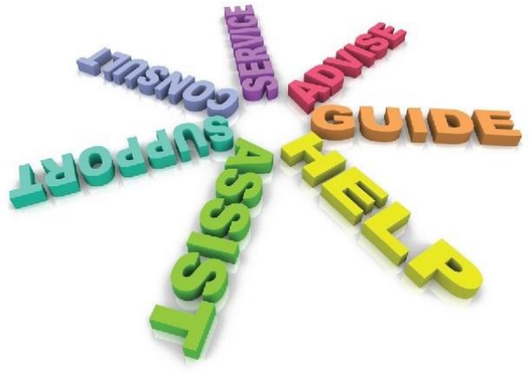
Course Credits: Each course is assigned a credit value (usually 3 for half courses and 5 for full courses) as determined by Alberta Education. To receive credits in a course, a student must achieve a mark of 50% or higher.

Course prerequisites: Prerequisites for each course are outlined in this guide. Course standings are reported as percentages

Provincial Exams: Any student who is enrolled in English 30-1 or 30-2, Mathematics 30-1 or 30-2, Social 30-1- or 30-2, French LA 30, Science 30, Biology 30, Chemistry 30, or Physics 30 must write a provincial diploma exam in the subject.

The final mark will be a combination of the school mark and the provincial exam mark. Provincial diploma exams are written in January, June and August on a schedule set by Alberta Education

Course Variety: Our course offerings are as varied as possible; however, sufficient demand must exist before a section is actually established. You should make alternate choices for elective courses wherever possible. Students who do not successfully complete a course in the first semester may not be able to repeat it in the second semester



Course Load

Credits & Student Course Load

To obtain credits, students must obtain a grade of 50% or higher in their courses in Grade 10, 11 and 12. A student must earn a mark of 50% in a course before proceeding to the next level of that course.

For example, students need to complete English 10-2 before taking English 20-2. English 10-2 is the prerequisite for English 20-2. Select your courses by determining which courses you intend to graduate with and working back to their prerequisites. For example, if you want to graduate with English 30-1, you will probably take English 20-1 in Grade 11 and English 10-1 in Grade 10.

In some courses, you are required to write diploma examinations. Your final marks in these courses are the average of the school based grade and your results on the diploma examination.

Students are required to carry the following course load:

- Grade 10 (first year of high school) students must have a full course load- no spares.
- Grade 11 (second year of high school) students must have a full course load- with one spare.
- Grade 12 students (third year of high school with at least 70 credits on September 1st) are allowed to maintain a spares

  their final year but emphasis should be on completing the requirements for graduation. Please check university and college requirements before you schedule spares. Spares should be used to study, complete homework and improve grades.
- Third year students who do not have 70 credits as of September 1st or those who do not have passing marks in grade 11 level Social Studies and English must meet with a counselor in Student Services to develop an education plan contract that meets Alberta High School graduation requirements.

Core Classes

Courses in English, Social Studies, Mathematics and Science are offered at several levels.

- Courses numbered 10-1, 20-1, 30-1, 10, 20, 30 and 31 are designed primarily for students planning on entering a university or certain programs in colleges and technical schools.
- Courses numbered 10-2, 20-2, and 30-2 are designed primarily for students planning on entering certain programs in colleges, technical and trade schools or getting a job.
- Courses numbered 14- 24 are designed primarily for students planning on getting a job immediately after graduation.

Your junior high marks are usually the best indicator of how you will do in high school; it is always possible, with effort, to improve them.

Elective Courses

Elective courses offer you a chance to broaden your knowledge by studying a variety of subjects. Some elective courses will help you build skills that will help you get and keep a job. Approximately 25 to 35 credits of study in a particular area could provide a basis for getting a job. This includes fine arts, CTS, Phys. Ed, Second Languages and many other courses.

Science and Math courses at a 30 level can be considered to be elective courses. Make sure to check and see if the post-secondary school you are planning on attending requires all 3 sciences and a math. Often this is not the case unless you are planning on taking engineering or medicine.

Quad Courses

EPC will offer some courses, that don't need 5 months to complete, in a Quad block. What this means is that a student may take a course such as CALM 20 every day for 2.5 months then that class will end and a new course will begin, in that same block, that also only needs 2.5 months to complete. Students choose these at registration time so there is no disruption to their school year selecting these courses.

Making Sense of Classes

Grade 12 fine arts classes (Music 30, Drama 30 and Art 30) can be used to meet entrance requirements for many university programs. High marks in these classes may help a student's average (Communication Technology 30 Credits can be used also).

Career and Technology Studies (CTS) Classes

Career and Technology Studies is a program developed by Alberta Learning encompassing Business Education, Home Economics, Industrial Arts, Practical Arts and Vocational courses.

CTS is divided into clusters that contain courses. CTS is modular students who enroll in a CTS course are actually taking many courses rather than one lengthy course. One course successfully completed equals one credit. The passing mark is 50%.

Courses are organized into three levels- introductory (1000's), intermediate (2000's) and advanced (3000's). Specific courses are prerequisites for other courses within and across the three levels.

High School Diploma Grad Requirements

Students must assume responsibility to ensure they meet requirements of the Alberta High School Diploma or the Certificate of High School Achievement. If you are in doubt or have questions, check with Mr. Morrison or Mrs. Schmidtke early so that program adjustments can be made. To obtain an Alberta High School Diploma, a student must earn a minimum of 100 credits including the following:

To obtain an Alberta High School Diploma, a student must earn a **minimum** of 100 credits including the following:

- English Language Arts 30-1 or 30-2
- Social Studies 30-1 or 30-2
- Mathematics 20-1, 20-2 or 20-3
- Science 20 level (Science 20, Science 24, Biology 20, Chemistry 20 or Physics 20)
- Physical Education 10 (3 credit)
- Career and Life Management (3 credit)

10 Credits in any combination from:

- Career and Technology Studies (CTS) Fine Arts
- Second Languages
- Physical Education 20 and/or 30
- Locally developed/acquired and locally authorized courses
- Knowledge and Employability courses
- Registered Apprenticeship Program

10 credits in any 30 level course (in addition to a 30-level English Language Arts and 30 level Social Studies course as specified above). These may include:

- 3000 series; Advanced level in Career and Technology Studies Courses
- 35 Level Work Experience
- 30-4 Level Knowledge and Employability course
- 35 level Registered Apprenticeship Program
- 30-level Green Certificate Specialization
- 30 Level Fine Arts
- 30 Level Physical Education
- 30 Level Second language

High School course withdrawals and transfers

Students should carefully choose their courses when registering so as to keep transfer and withdrawal requests to a minimum.

Students asking to transfer or withdraw classes must ensure that their timetable still meets the minimum requirements for their grade

Students may transfer courses in the first two weeks of each semester, after consultation with one of the Career Counselors.

Students who are failing a course at the mid-term point should discuss their situation with their teacher and their parents. Students may drop a core course only with parental approval, and only if the student can still meet the program requirements listed above. This may mean the enrolment in a Virtual School course or CTS course. A "W' for withdrawal for courses or an INC for incomplete CTS courses will appear on the students' transcript.

Students should not drop a class if they intend on taking the course in the next semester or next year. Students are encouraged to repeat the course to improve their mark.

Alternate Delivery Modes at EPC

Students take their courses through classroom delivery. We expect each student in Grade 10 and 11 to have a full timetable. However, we do offer courses outside of the regular time schedule and outside the regular boundaries of the school campus.

After hours courses

A number of courses at Edwin Parr Composite School are offered in the evening, after school or during weekends. These courses vary from year to year.

Off-Campus Education

Grade 11 and 12 students (and Grade 10 students in the Knowledge & Employability Program) can take courses that require time spent on work sites in the community. These can be during school time or outside of school time, depending on the situation. Credits are based on the number of hours spent at the work site (25 hours = 1 credit). Evaluations are based on the student's success at work as determined jointly by the employer and the supervising teacher. Refer to the section on the RAP program and Tech. Prep., the course descriptions for Occupations in the Knowledge & Employability Program section.

Centre for Alternative and Virtual Education (CAVE)

Outreach and Virtual School

The Centre for Alternative and Virtual Education (CAVE) is a facility for students under 20 years of age to complete their high school education in a flexible, self-paced environment. The CAVE offers both on and off campus courses. The school is designed to provide students with high quality programming through alternative forms of instruction. The CAVE utilizes Moodle (a course management system that includes grade book, quizzes, and private email on-line) to deliver the courses to the students. All courses are administered by a team of certified teachers who have an assigned group of students, as they would if they were working in a conventional setting.

The CAVE is primarily used to give students an opportunity to:
· Take courses that they could not fit into their schedules
· Take courses that are not offered by classroom instruction
· Take courses outside of the regular classroom

Students may register throughout the school term. All courses must be completed prior to the last day of classes in each semester. For more information please visit the CAVE website at: http://www.aspenview.org/virtual/ where you can find contact information and registration forms.

Home Schooling

Students who wish to receive their full education at home may do so through Edwin Parr Composite School. Students and parents should first meet with a member of the administration to register the student. The student will receive instruction through the Alberta Distance Learning Centre (Barrhead), using their materials and instructors. Home education students registered at Edwin Parr Composite School are considered Edwin Parr Composite School students and therefore are allowed to participate in extra curricular activities such as sports teams, trips, or dances. Home education students also have access to school resources such as the library and counseling services, within normal operating procedures. They also must pay the same school resource fees as other students.

Summer School

Should there be a sufficient number of requests for a course and a teacher interested in giving instruction, select courses might be offered during the summer months.

Course Challenges

Course challenges allow students who have completed course related work, and can demonstrate that they possess the Knowledge, skills and attitudes required to go through a formal assessment. This will most likely involve writing an exam and completing other assignments. Students must present evidence showing their understanding of the course work before they request a course challenge.

The following courses cannot be challenged:

- Physical Education Courses
- CALM 20
- Courses that have already been failed. (These courses must be taken again.)
- Courses at a lower level than the student has achieved

Note: Courses most commonly challenged are French 10, 20 and 30, by French Immersion students.

Registered Apprenticeship Program (RAP)

The Registered Apprenticeship Program is an apprenticeship program that permits high school students to become a first year apprentice and receive an Alberta High School Diploma while attending high school. Students can enter the RAP program through two routes.

Careers the Next Generation: Students apply to the RAP coordinators and are selected based on a personal interview, attendance (95% or better) and school average (65% or better). Students are placed with employers by the Careers Next Generation staff. These students must do a 125-hour trial period before they are signed up as an apprentice.

RAP Students find their own apprenticeship (possibly including family or friends as employers). They then make arrangements with the RAP coordinator to have their program formalized. Students must maintain a passing average in all courses and be progressing at a reasonable rate to graduate.

The RAP apprentice is a full-time high school student. A RAP apprentice accumulates hours of on the job training as credit toward a high school diploma. Students may begin the process of entering RAP in Grade 10. It is recommended that students who wish to take RAP in Grade 11 and 12, take CALM 20 in Grade 10.

If you want more information on RAP, talk to Mr. Morrison.

OVER

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Trades to choose from

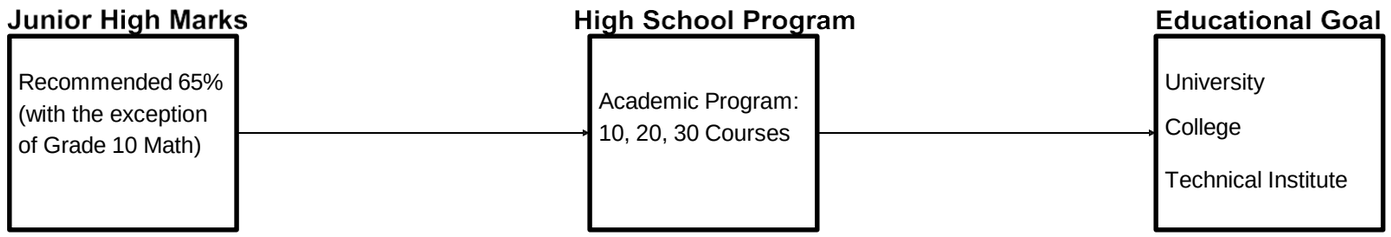
Planning your Program

Step 1: Know Your Needs and Goals

Students registering in high school should have an educational goal in mind so that choosing courses is a meaningful process. If educational goals are not defined, students should register in the highest level of academic courses in which they can succeed. Students should try to choose high school courses which reflect their junior high achievement.
Thinking ahead helps you plan better!

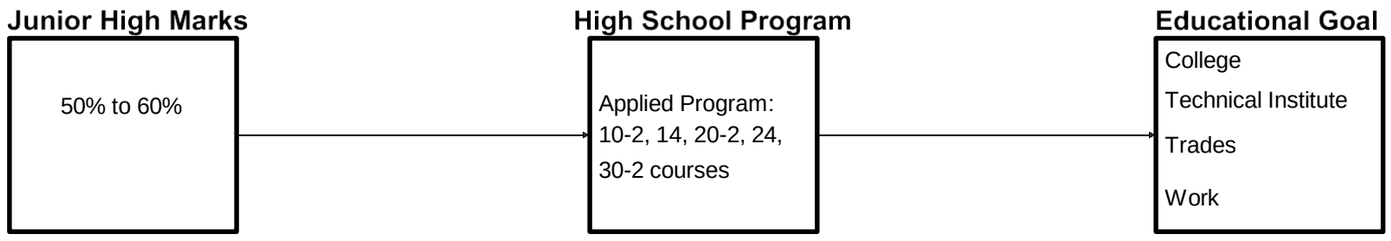
Academic Programs

(opens all doors if marks are high enough)



General Programs

(some restrictions for post-secondary entrance will apply)



K & E Programs

K&E Courses are available to students in grades 8- 12 who meet specific educational criteria. The courses are intended to provide students with opportunities to experience success and become well prepared for employment, further studies, active citizenship and lifelong learning.

Knowledge and Employability Courses are designed to provide entry-level employment skills for students who have expressed a goal of leaving school before earning the requirements for a senior high school diploma. Some students may transition successfully from Knowledge and Employability Courses to other courses to achieve a senior high school diploma or to continuing education and training opportunities; e.g. some colleges, and apprenticeship programs. Reviewing each student's learning plans on an annual basis and adjusting their goals and courses as needed are important parts of the process.

Planning your Program

Step 2: Know Your Graduation Requirements

Students planning on graduating must complete the requirements for either an Alberta High School Diploma or Certificate of Achievement. It is the student's responsibility to ensure that they do meet these requirements prior to their graduation ceremony.

Note: A high school diploma does not necessarily grant admission to post-secondary institutions. Be aware that there are a variety of entrance requirements for post-secondary institutions and students should plan programs accordingly. Information regarding post-secondary requirements is available at Student Services.

Step 3: Understanding How Credits are Awarded

You earn the credits attached to a high school course by obtaining a mark of 50% or higher. You have the option of repeating the course to earn a higher mark but credits are granted only once for any course.

Retroactive Credits: Students who achieve a mark between 45 – 49% may continue at the next grade level in the lower program route with the approval of the school Principal. In these cases, students who successfully complete the next grade level course will earn credit for the course taken and for its normal prerequisite. For example if you had a mark between 45 – 49% in English 20-1, you could take English 30-2, and if you passed that course you would earn retroactive credits for English 20-2

Step 4: Planning Considerations

1. Prerequisite Standing: Courses are arranged in sequences such as Social Studies 10-1, 20-1, 30-1. A student must achieve a mark of 50% or higher in order to take the next course in a sequence. Note: The Recommended Mark in the 10-20-30 sequence to move to the next course level is 65% or better.
2. Diploma Courses: There are provincial examinations in ELA 30-1 and 30-2, Mathematics 30-1 and 30-2, Biology 30, Chemistry 30, Physics 30, Science 30, and Social Studies 30-1 and 30-2. Students taking these courses must write the diploma exam, which counts for 50% of the final mark in that course.
3. Course Challenges: A student is eligible to challenge a course under these guidelines:
   - The student feels he/she has the skills needed in that course to enable him/her to go on to the next level
   - the student has not failed the course to be challenged
   - The student is not currently registered in the course
   - The student is prepared to undertake a comprehensive evaluation which may include the following components: written, oral, lab, portfolio or others as deemed necessary
4. Grade 10 Course Entrance Criteria- High School programs recognize and accommodate the wide range of developmental needs, abilities, and differences that exist among students. In order to be successful in high school, Grade 9 students are expected to meet the criteria outlined in the course sequences provided in this guide. Please refer to each core section to ensure that you fully understand what requirements are needed in order to enroll in specific courses.

Prerequisite requirements may be waived by the Career Counselor or the Principal on the recommendation of the sending school, under special circumstances, and/or in response to an appeal from a student and his/her parents. These judgments will be made on an individual basis.

Programs at a Glance

Please take the time to plan your high school years. Your teachers, parents, Student Services or principal can tell you more about planning your future with a specific goal in mind. You can also use this planner to record the courses you complete and see if you meet the graduation requirements. This planner is for students in regular programs. Students in Knowledge and Employability Program, RAP or Tech. Prep. should see Student Services.

Required High School Diploma Courses					
Grade 10	**Credits**	Grade 11	**Credits**	Grade 12	**Credits**
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**
Social Studies					
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**
Mathematics					
Math 10-C	**5**	Math 20-1	**5**	Math 30-1	**5**
		Math 20-2	**5**	Math 30-2	**5**
				Math 31 (calculus)	**5**
Math 10-3	**5**	Math 20-3	**5**		
Sciences					
Science 10	**5**	Science 20	**5**	Science 30	**5**
		Science 24	**5**		
Science 14	**5**	Biology 20	**5**	Biology 30	**5**
		Chemistry 20	**5**	Chemistry 30	**5**
		Physics 20	**5**	Physics 30	**5**
Physical Education					
Phys. Ed 10	**3-5**	Phys. Ed 20	**5**	Phys. Ed 30	**5**
Career & Life Management					
CALM 20	**3**	Note: CALM can be taken at any point in High School. However it is recommended that you take it in your Grade 10 year.			

Keep the following in mind... To graduate you need the following programs as a minimum requirement for graduation and only equates to 58 credits (56 if you took at 3 credit Phys. Ed):

- English at a 30 level
- A 20 level Math
- Social Studies at a 30 level
- A 20 level Science

Programs at a Glance

Students enrolled in the K&E High School Certificate of Achievement program will have the majority of their program planned for them by the K&E instructor.

Required High School Certificate of Achievement Courses					
Grade 10	**Credits**	**Grade 11**	**Credits**	**Grade 12**	**Credits**
English					
English 10 -4	**5**	English 20 -4	**5**	English 30 -4	**5**
English 10 -2	**5**	English 20 -2	**5**	English 30 -2	**5**
Social Studies					
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**
Mathematics					
Math 10-4	**5**	Math 20-4	**5**		
Math 10-3	**5**	Math 24	**5**		
Sciences					
Science 10-4	**5**	Science 20-4	**5**		
Science 14	**5**	Science 24	**5**		
Physical Education					
Phys. Ed 10	**3 – 5**				
Career & Life Management					
CALM 20	**3**	Note: CALM can be taken at any point in High School. However it is recommended that you take it in your Grade 10 year.			
5 Credits in the following					
30 Level K&E Occupational Course, OR 30 Level CTS course, OR 30 Level Locally Developed Course with Occupational Focus					
5 Credits in the following					
30 Level K&E Workplace Practicum course, OR 30 Level Work Experience course, OR 30 Level Green Certificate course OR 30 Level RAP course					

The Knowledge and Employability Program Information

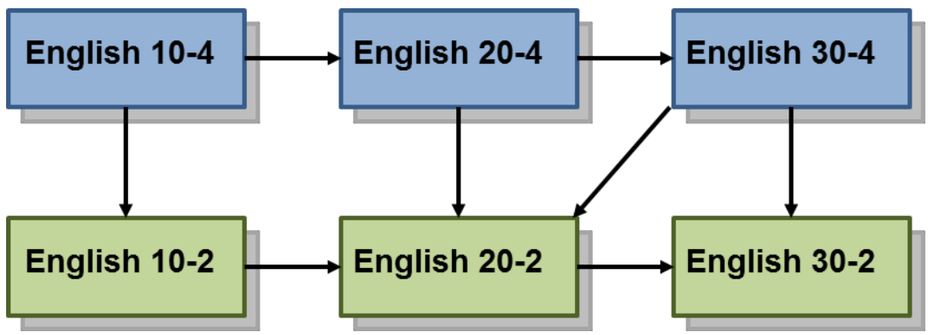
K&E Courses are available to students in grades 8 - 12 who meet specific educational criteria. The courses are intended to provide students with opportunities to experience success and become well prepared for employment, further studies, active citizenship and lifelong learning. Knowledge and Employability Courses include and promote:

- Workplace standards for academic, occupational and employability skills.
- Practical applications through hands-on and off-campus experiences and/or community partnerships.
- Career development skills for exploring careers, assessing career skills and developing a career-focused portfolio.
- Interpersonal skills to ensure respect, support, and cooperation with others at home, in the community, and in the workplace.

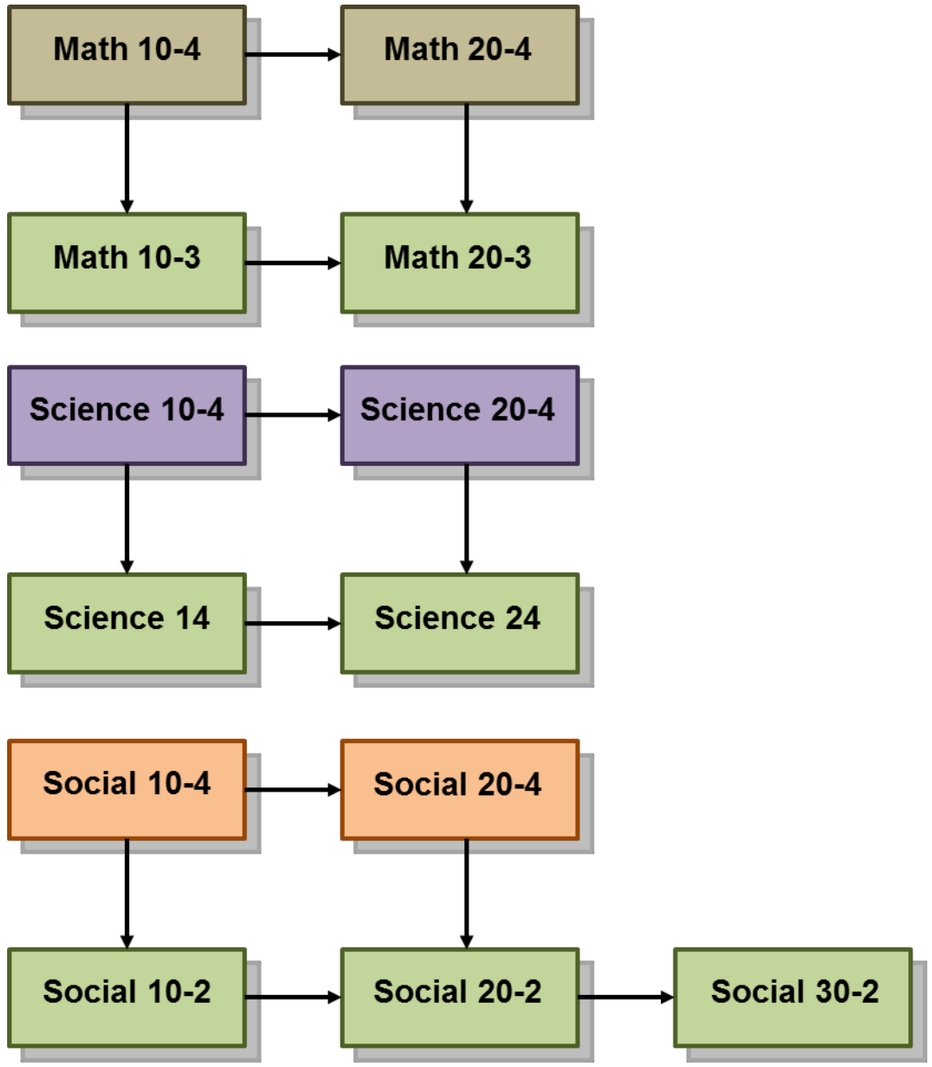
Knowledge and Employability Courses are designed to provide entry-level employment skills for students who have expressed a goal of leaving school before earning the requirements for a senior high school diploma. Some students may transition successfully from Knowledge and Employability Courses to other courses to achieve a senior high school diploma or to continuing education and training opportunities; e.g. some colleges, and apprenticeship programs. Reviewing each student learning plans on an annual basis and adjusting their goals and courses as needed are important parts of the process.

Course Sequences

Students in the K & E program have the option of completing all of their courses in the K & E stream. Or, they may take a mix of K & E courses and regular stream courses (for example: English 10-4 & Math 14). Please refer to the required course list and course sequences listed below:



The Knowledge and Employability Course Sequences (Continued)



*Any Transfer from the K & E courses to the regular stream courses are at the discretion of the instructor.

Core Course Sequencing

Admission Requirements for Grade 10 Level Core Subjects

Student program registrations will be granted a conditional status during the spring registration, based on the verification of spring report cards. Registrations will be reviewed when final marks are available.

Students registering in Edwin Parr Composite School in the Grade 10 level, must provide a report card or transcript from their Junior High School which verifies levels of achievement in Language Arts 9, Mathematics 9, Science 9, and Social Studies 9.

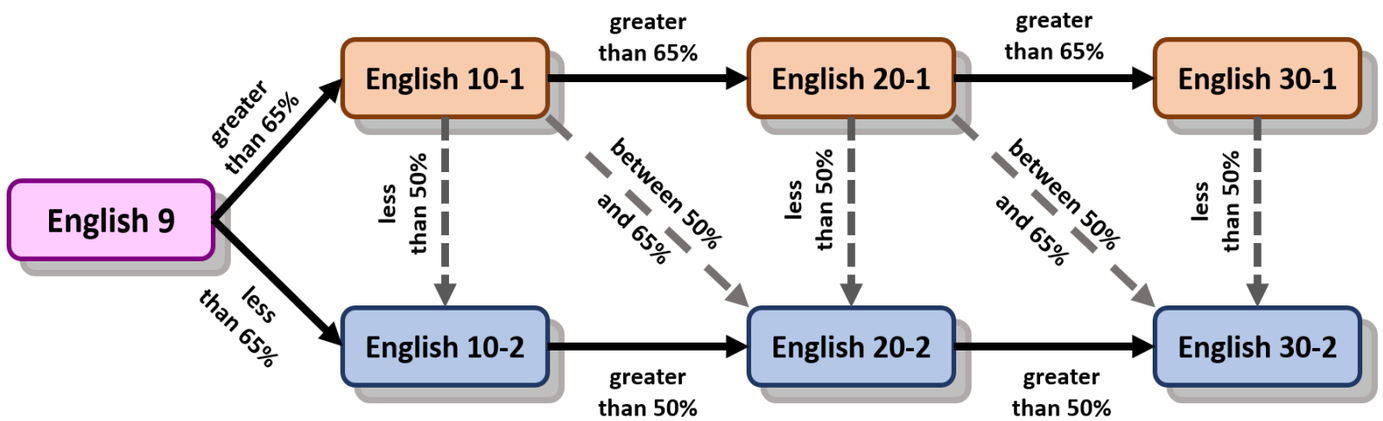
Placement in programs included in this policy, may be appealed to the principal of Edwin Parr Composite School by the parent or guardian prior to August 30. Any special conditions or requests will be reviewed in a meeting of the parent or guardian and Edwin Parr Composite School administration.

Course Sequences

English

English is a required subject for graduation from all high school programs. Two sequences are offered. English 10-1, 20-1, and 30-1 or English 10-2, 20-2, and 30-2 deal with the same skills of reading, writing, viewing, speaking, and listening.

English 30-1 is a requirement for most university and college programs. Please consult the career counselor for up-to-date requirements for English. English 30-2 meets all requirements for a high school diploma and many college and technical school programs.



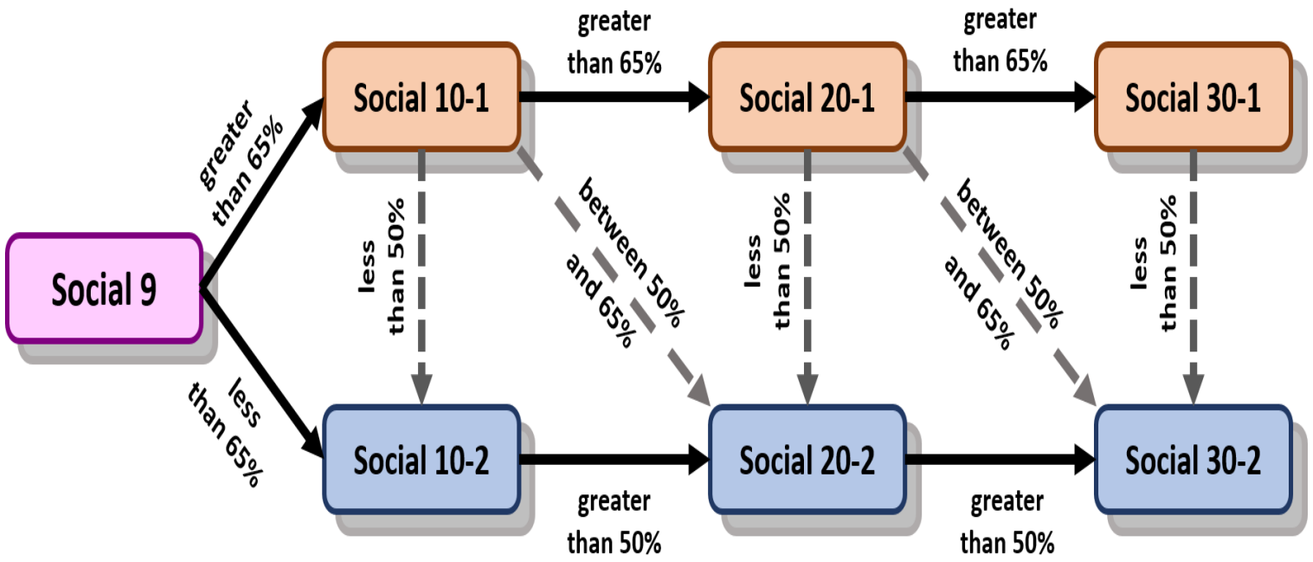
Core Course Sequencing (continued)

Social Studies

Social Studies is a required subject for graduation from all high school programs. Two sequences are offered.

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

The 10-2,20-2,30-2 courses in Social Studies will be designed for those students who would have difficulty experiencing success in the 10-1,20-1,30 Social Studies courses. If a student wishes to obtain an Alberta High School Diploma, they may take either sequence but their choice should be guided by their past success in Social Studies. Students planning to go to university should take Social Studies 30-1 it is required by most, if not all programs.



Core Course Sequencing (continued)

Mathematics

Which Math should you choose?

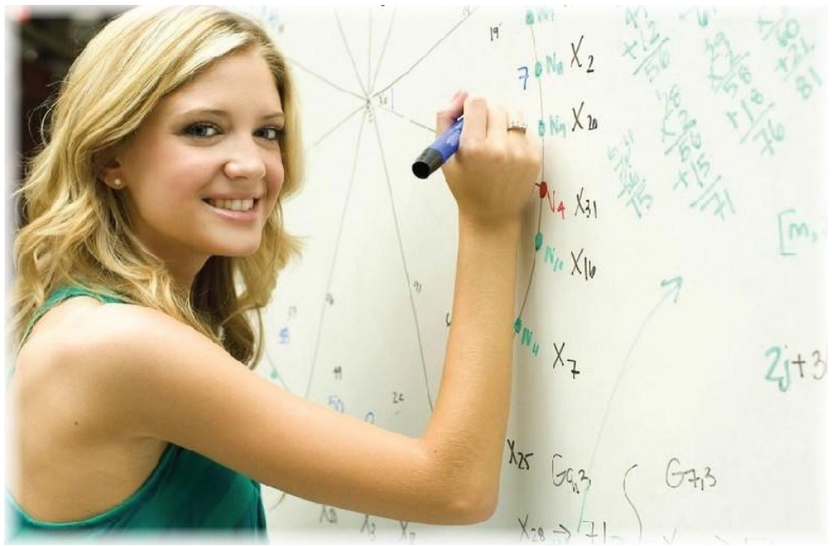
Mathematics-1 If I want to study mathematics or sciences at a university, college, or technical institute and go on to a related career. Mathematics-1 is for students who plan to enter post-secondary programs such as engineering, mathematics, sciences, some business studies, or other programs that require 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-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, civil engineering technology, 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, specifically levels one to three. Mathematics-3 includes topics such as finance, geometry, measurement, and trigonometry.

Math 10C (5 Credits)
The content covered for this course is SI and Imperial units of measure and conversions, Surface Area and Volume of 3-D objects, Trigonometric Ratios and Right Triangles, Polynomial Expressions and Factoring, Irrational Numbers, Slope, Lines and Line Segments, Linear Relations, Domain, Range, Functions, and Systems of linear Equations.

Math 10-3 (5 Credits)
The content covered for this course is SI and Imperial units of measure and conversions, Applications of SI and Imperial units to length, area, volume, capacity, mass, temperature, 2-D and 3-D objects; Spatial Reasoning, Pythagorean Theorem, Convex Polygons, Trigonometric Ratios, Angles, Parallel and Perpendicular Lines; Currency Exchange and Income; and Manipulation and Application of Formulas.



Core Course Sequencing (continued)

Mathematics (continued)

Mathematics 20-2 (5 Credits)
This course sequence is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of calculus. Topics include geometry, measurement, number and logic, relations and functions, and statistics.

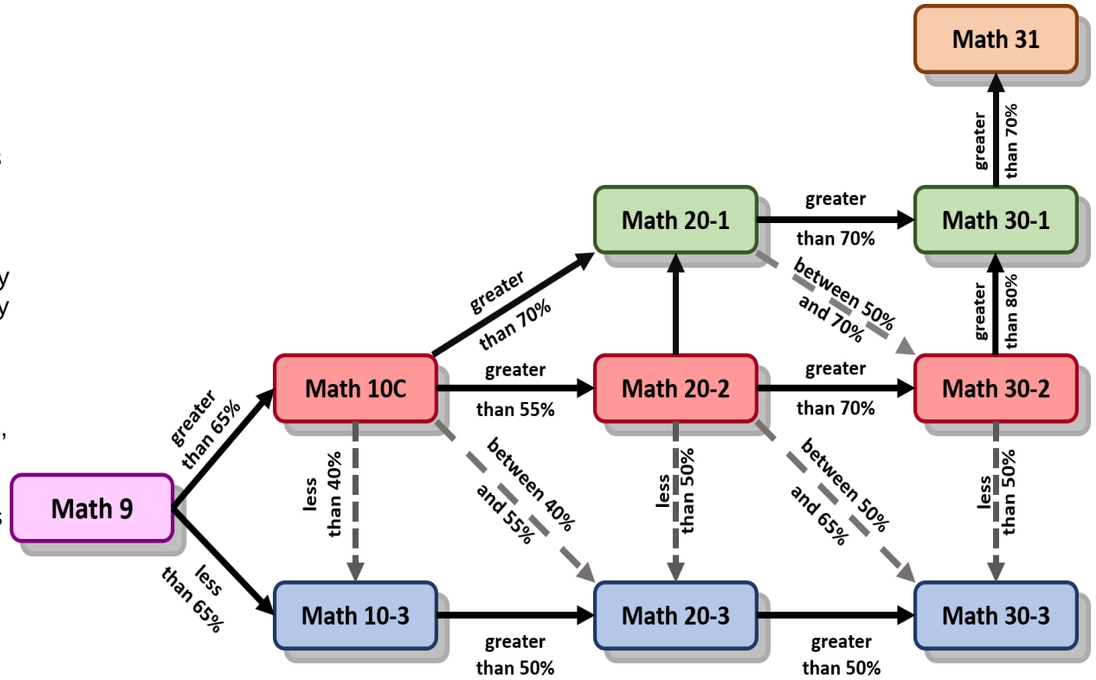
Mathematics 20-3 (5 Credits)
This course sequence is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include algebra, geometry, measurement, number, and statistics.

Mathematics 30-1 & 30-2 (5 Credits)

Math 30-2 emphasizes the application approach to solving problems. Algebra is taught only when needed. These courses require a strong mathematical background, regular attendance and a sound work ethic. It is designed for students who require an academic mathematics program to prepare them for university programs outside the sciences, colleges, trades and employment.

Math 30-1 course is designed for students intending to pursue post-secondary studies at university or in a mathematics-intensive program at a technical school or college. Mathematics 10-20-30-1's emphasizes the theoretical development of topics from the areas of algebra, geometry, trigonometry and statistics up to a level acceptable for entry into universities and other post-secondary institutions.

Mathematics 31 (5 Credits)
Math 31 is an advanced class in calculus, required for students entering physical sciences, mathematics or engineering in university and recommended for students taking sciences or commerce at the university level.



Core Course Sequencing (continued)

Sciences

To meet the diverse needs of our students, we offer a variety of science courses. The Science 14-24 sequence offers the minimum requirements for a high school diploma. Grade 11 or 12 science courses in biology, physics or chemistry are required for many college programs and many programs at NAIT. University entrance requires one science course at the 30 level. Science 30 will also be made available to students this year.

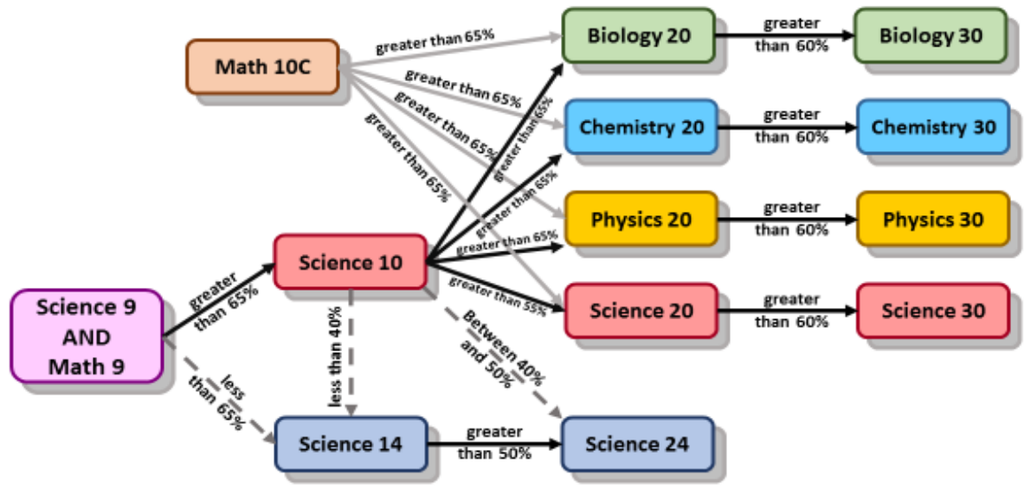
Science 14 (5 Credits)
Science 14 is a general introductory course designed to meet the needs of students who have experienced difficulty in science and mathematics. It emphasizes the application of science to everyday life, including topics from biology, health sciences, physical sciences, and earth sciences. Particular attention is paid to the development of learning and scientific skills. Students in this course generally go to Science 24 to complete Diploma requirements. This course does not prepare students to consider Biology, Chemistry and/or Physics at the Grade 11 and 12 levels.

Science 24 5 Credits
The Science 24 program consists of four units, each dealing with a different aspect of Science. In Unit A, Application of Matter and Chemical Change, students expand their understanding of matter from Science 14. Emphasis is on chemical reactions that are important to today's society in meeting our personal needs. Unit Understanding common En Systems, is studied in the chains, fossil fuels, and the distribution of electricity. In Unit C, Disease Defense and Human Health, students investigate a variety of environmental, pathogenic and genetic factors and their effects on health. Finally, Unit D, Motion, Change and Transportation Safety, looks at the laws of conversation of momentum and how they affect the design of cars, safety regulations and practices governing transportation.

Science 10 (5 Credits)
Science 10 is an integrated academic course, which helps students understand and apply the fundamental concepts and skills common to biology, chemistry and physics. The key scientific concepts of energy, matter, and change are emphasized.

Science 20 (5 Credits)
Science 20 is an academic course, which will follow the curriculum from Science 10. Science 20 has all the concepts and skills common to biology, chemistry and physics.

Science 30 (5 Credits)
Science 30 is an academic course, which will follow The curriculum from Science 20. Science 30 has all the concepts and skills common to biology, chemistry and physics.



Core Course Sequencing (continued)

Sciences (continued)

Biology 20 (5 Credits)
The key science themes in Biology 20 are the concepts of systems, equilibrium, energy, and matter. These concepts are continuously related and interconnected in the study of the biosphere; ecosystems; photo synthesis and cellular respiration; and human systems.

Biology 30 (5 Credits)
Major units of study are the nervous and endocrine systems; reproduction and development; cell division; genetics and molecular biology; and population and community dynamics. Laboratory work is included. Students must write a provincial diploma examination.

Chemistry 20 (5 Credits)
Matter and chemical change are the themes common to all units of Chemistry 20. In addition, different units also integrate knowledge and skills about the nature of science, technology, and STS issues. Scientific problem-solving skills are progressively developed along with the empirical and theoretical knowledge necessary to describe and understand chemical substances and their reactions. After a review of the chemistry from Science 10, the following topics are studied: matter & chemical bonding, gases, solutions and acids and bases, and quantitative relationships in chemical changes.

Chemistry 30 (5 Credits)
The scientific and technological knowledge and skills developed in the previous Chemistry 20 course are continued in the study of the Chemistry 30 core curriculum. Major topics include organic chemistry, chemical energy, electro chemistry, and equilibrium in acid-base systems. Many laboratory activities and exercises are used to develop communication and problem-solving skills. Students must write a provincial diploma examination.

Physics 20 (5 Credits)
This course in physics continues the study of motion and energy using the concepts and mathematical skills introduced in Science 10.The description of motion (kinematics) is extended to vector quantities and circular motion. The study of the causes of motion (dynamics) includes Newton's Laws and mechanical energy, work, and power. The themes of energy and change continue in the introduction to mechanical waves.

Physics 30 (5 Credits)
The theories and laws developed in Physics 20 are used extensively in the study of momentum and impulse, electric and magnetic forces and fields, electromagnetic radiation, and atomic physics. Various technological applications and societal implications are integrated with the core topics throughout the course. Communication and problem-solving skills are emphasized in order to prepare students for post-secondary programs and the provincial diploma examination.

Core Course Sequencing (continued)

Physical Education

Three credits of Physical Education are a requirement for an Alberta High School Diploma. Physical Education courses help to develop the foundation for active living and lifetime physical fitness. Students will be empowered to make self-motivated choices in respect to lifelong recreational pursuits and will develop a foundation of knowledge in personal fitness, wellness, and leadership. To support students who are unable to take regularly schedule Physical Education courses, we offer unscheduled options. We offer a variety of options in sport performance, fitness, and health.

Phys.Ed 10 (5 Credits) **or (3 Credits from a quad block)**
Physical Education 10 is a requirement for an Alberta High School Diploma. Physical Education courses help to develop the foundation for active living and lifetime physical fitness. Students will be empowered to make self-motivated choices in respect to lifelong recreational pursuits and will develop a foundation of knowledge in personal fitness, wellness, and leadership. We offer a variety of options in sport performance, fitness, and health.

Phys. Ed 20 (5 Credits)
In this course, students will continue to focus on lifetime fitness and wellness. Students will have the opportunity to experience a wide range of fitness activities, providing a base for lifetime fitness. These activities may include, but are not limited to, the following: individualized fitness plans, fitness boot camp, golf, yoga, dance, team hand ball, and ultimate Frisbee etc.. A games unit will include volleyball, basketball, soccer, etc..

Phys. Ed 30 (5 Credits)
Physical Education 30 may be used as a post-secondary entrance course in numerous Physical Education, Recreation, Adventure Tourism, Leisure Studies and Kinesiology Programs and Faculties. At this level, students will focus on the development of leadership and team building. Students will participate in the planning and implementation of a number of Physical Education activities.

Core Course Sequencing (continued)

Career And Life Management

CALM 20 **(3 Credits from a quad block)**
This is a required course for all high school students. It is preferred that Grade 10 students take this course in their Grade 10 year. The Career and Life Management Course is organized to assist students acquire knowledge; develop skills/strategies to make informed decisions, and to act upon them.

The course is divided into these themes:

- **Study Skills:** These are outcomes from throughout the course presented at the beginning of the semester to help you become better students.
- **Personal Choices:** Students will apply an understanding of the emotional/psychological, intellectual, social, spiritual and physical dimensions of health and the dynamic interplay of these factors in managing personal well-being.
- **Resource Choices:** Students will make responsible decisions in the use of finances and other resources that reflect personal values and goals.
- **Career and Life Choices:** Students will develop and apply processes for managing personal, lifelong career development

ART

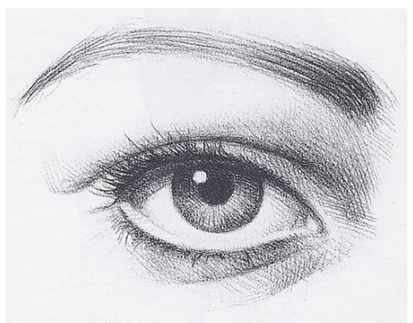
Art 10/20/30 (5 credits each)

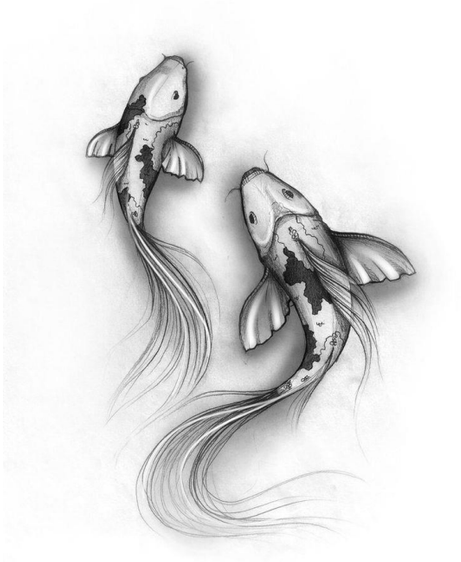
There is often a misconception that only those that are good at creating art should take it. Art is open to all students. In this course, students will learn the "tricks of the trade", and will learn by "doing". Good artists will improve their skills. Beginning artists will learn new skills.

The art program is primarily a studio-based program where art is created through a variety of media. Students will have the opportunity to explore visual expression and establish the groundwork for artistic skills. Students will learn how to critique and evaluate their work, and the work of past/present artists. Projects change due to the availability of supplies, time and class size constraints.

In class, students can expect to learn a variety of techniques related to the following :

- Learning about the elements and the principles of art and design
- Creating three-dimensional forms (clay, paper mache)
- Drawing: pencil, pencil crayon, ink, charcoal, oil and chalk pastels, crayons, etc.
- Painting: watercolor, acrylic, gouche, and oil
- Creating work for an Art Show and other community initiatives
- Printmaking (monotype, lino ...)
- and so MUCH more !!!!!!





Construction Technology

CONSTRUCTION TECHNOLOGY 10
Credits: 1-6 credits
LEVEL: Introductory

This class teaches the terminology, tools and processes common in building systems and manufacturing systems. The emphasis will be building construction with other courses involving individual woodworking projects. At least five of the following courses will be completed:

CON 1010 Basic Tools and Materials	**CON 1130** Solid Stock Construction
CON 1070 Building Construction	**CON 1140** Turning Operations
CON 1120 Project Management	**CON 1160** Manufactured Materials

Students will be expected to pay for materials used.

CONSTRUCTION TECHNOLOGY 20
Credits: 1-9
Level: Intermediate

This class teaches the fundamentals of cabinetry, furniture making and carpentry. An extension of the basic courses, students will continue to develop safe practices and skills which are in high demand in the workplace. Students in consultation with the instructor will complete 5 of these courses:

CON 2040	Framing System I
CON 2050	Roof Structures I
CON 2060	Exterior Finishing
CON 2120	Multiple Materials
CON 2130	Furniture Making I
CON 2140	Furniture II
CON 2150	Finishing & Refinishing
CON 2160	Cabinet Making I
CON 2170	Cabinet Making II

Career & Technology Studies (CTS)

Construction Technology (continued)

CONSTRUCTION TECHNOLOGY 30
CREDITS: 5
LEVEL: Intermediate I Advanced

This is a project-based class for students who have completed Construction Technology 2. Students will be expected to complete a minimum of 5 courses at the intermediate and/or advanced level in Construction Technology. Students will have some choice in what area they want to specialize in. Students will be expected to pay for materials used.

Cosmetology 10 / 20

CREDITS: 5+

Level: Introductory/Intermediate (10 level); Intermediate/Advanced (20 level)
Prerequisite: None for 10 level; 10 for 20 level

Would you like to experiment with new hairstyles and create eye-catching nail art? In Cosmetology 10 and Cosmetology 20, students will perform basic manicures (10 level), do French manicures (20 level), and learn different nail art techniques (both levels) using rhinestones, paint, feathers, newspapers, and even water. Students will learn different hair designs and will work on mannequins to create various types of long hair updos involving roping, knotting, and braiding techniques which could appear on the runway or for a special occasion. At the 20 level, students will learn more advanced roping, knotting, and braiding techniques for long hair updos and half-dos which could appear on the red carpet, on the grad stage, or down the wedding aisle! Styling tools like curling irons, blow dryers, hot rollers, and flat irons will be used in the 20 level hair designs. Students will create instructional Youtube videos modeling the best techniques for hair design. Students will complete five-six modules at the introductory/ intermediate levels for Costmetology10 and five-six modules at the intermediate/advanced levels for Cosmetolgy 20.

Cosmetology 10

COS1010	Personal and Professional Practices
COS1020	Long Hair Design 1
COS2010	Long Hair Design 2
CCS3050	Supporting Positive Behavior
EST1070	Manicuring 1
EST2090	Nail Art
EST1920	EST Project A

Cosmetology 20

COS3020	Long Hair Design 3
EST2070	Manicuring 2
EST3070	EST Project B
COS2910	COS Project B
EST3070	Manicuring 3—Client Services
EST3075	Pedicuring
COS3020	Manicuring and Pedicuring—Client Services

Drama

Drama 10 (5 Credits)
This is an interactive class with a focus on improvisation and acting. other of exploration are: Theatre-Sports, Readers' Theatre, Movement, and Speech. This fun, but structured course, builds the basic skills of each of these disciplines.

Drama 20 (5 Credits)

Drama 20 incorporates all the skill areas of Drama 10 and moves into the art of playwriting, movement, speech, theatrical productions and technical theatre.

Drama 30 (5 Credits)

Students will master all aspects of improvisational theatre, have a sound technical background, and will be participating in productions. The directing aspect of theatre is a major focus at this level. Students will direct plays and perform it in front of an audience.

Esthetics 10/20

Credits: 5+
Level: Introductory/Intermediate (10 level) Intermediate/Advanced (20 level)
Prerequisite: None for 10 level; 10 for 20 level

Esthetics 10 and Esthetics 20 courses are being offered at the *EPC X-Pressions Style Studio* where you will learn how to look your best. In Esthetics 10, students will develop their knowledge and skills related to personal and professional grooming practices. Students will also learn about the basic structures and functions of the skin, how to care for and improve the appearance of their skin, and perform facial services (cleansing, toning, exfoliating, moisturizing). Makeup application techniques will be taught and performed through demonstrations and hands-on experience. In Esthetics 20, there will be an introduction to basic theatrical makeup techniques, products, and tools used to create specific looks for the stage. Students will apply their previous learning of skin-care practices and makeup application on themselves and clients in order to perfect those skills while learning new techniques. Students will also design, select and apply make-up to create images of selected characters and to enhance personal appearances for theatrical purposes. The last two modules will focus on the principles and philosophies of spa culture as it relates to well-being (analyzing spa therapies in ancient and modern societies and their benefits), and analyzing/critiquing adornments as identifiers of one's culture including identity, status, religion, and fashion.

Esthetics 10	
COS1010:	Personal and Professional Practices
EST1020:	Skin Care Practices
EST1025:	Client Services: Skin Care Practices
EST2050:	Makeup
EST2055:	Makeup: Client Services
CCS3050:	Supporting Positive Behavior
EST2920:	EST Project C

Esthetics 20	
EST2030:	Facials
EST2035:	Facials: Client Services
EST1140:	Theatrical Makeup 1
EST2140:	Theatrical Makeup 2
EST3010:	Spa Awareness
EST3910:	EST Project D
EST3060:	Body Adornment

Fantasy/Science Fiction Appreciation 15

Credits: 5
Level: Introductory
Prerequisite: None
LOCALLY DEVELOPED COURSE

Are you interested in exploring alternate realities, future civilizations, new planets, or unusual creatures? Do you love reading stories/novels or viewing movies dealing with knights, dragons, superheroes, vampires, werewolves, or zombies? This five-credit senior high option has been designed for students who are interested in exploring various sub-genres of fantasy/science fiction in film and literature. Students may even have the opportunity to speak to a published author of a fantasy/science fiction novel series or the cast/crew/director of a major motion picture. Students in a 2017 class were able to interact with *Thor* and *The Chronicles of Riddick* Canadian actor, Colm Feore, on National Canadian Film Day! While exploring various fantasy/science fiction sub-genres, students will view, discuss, and do activities related to several films such as the following:

> *The Avengers: Infinity War* and other *Avenger* movies*, Jumanji, Wonder Woman, Thor: Ragnarok, Guardians of the Galaxy, Logan, King Arthur: Legend of the Sword, Star Wars* movies*, The Lord of the Rings* trilogy*, Assassin's Creed, Mad Max: Fury Road, Sucker Punch, War for the Planet of the Apes* and other *Planet of the Apes* movies*, Captain America: Winter Soldier, Donnie Darko, District 9, Doctor Strange, 10 Cloverfield Lane, John Carter, Oblivion, Man of Steel, Jack the Giant Slayer, Chappie, 300, Interstellar, Fright Night, Divergent* trilogy*, Maleficent, Terminator, Pan's Labyrinth, The Lovely Bones, The Hunger Games* movies*, Avatar, Transformers* movies*, Abraham Lincoln Vampire Hunter, The Chronicles of Riddick, Ghostbusters, Underworld, Ginger Snaps, Resident Evil, Alien: Covenant* and other *Alien* movies*, 28 Days Later, 30 Days of Night, etc.*

Besides viewing several films, students will also read a variety of fantasy and science fiction literature. Students will be evaluated on their engagement in class/group discussions, personal/creative/analytical responses, and projects (no exams or essays). Students will be given class time to read, view, discuss, and create (no homework unless classes are missed).

Optional Course Sequencing

Film Appreciation 15/25

Credits: 3
Level: Introductory and Intermediate
Prerequisite: None for 15 level; 15 for 25 level
LOCALLY DEVELOPED COURSE

Do you love to watch movies with interesting characters and memorable scenes? This three-credit QUAD block course introduces the student to film as an art form. Films can motivate people, stimulate thought, encourage questioning, express personal viewpoints, and provide social and political commentaries. Films also convey the richness of the human experience at its best and worst. The intent of this class is to teach the student to appreciate the artistic and narrative quality of film. During quad block, students can gain an appreciation for various genres of film including fantasy, science fiction, horror, mystery, western, action, thriller, adventure, drama, and comedy. Students may even have the opportunity to speak to the cast, crew, or director of a major motion picture. Students in the 2017 Film Quad class were able to interact with *Thor* and *The Chronicles of Riddick* Canadian actor, Colm Feore, and *The Trotsky* actress, Emily Hampshire, on National Canadian Film Day! The process of film-making will be explored, and students will develop an appreciation of the director's cinematic, literary, and dramatic choices. Students will view, discuss, and do activities related to several films such as the following:

Get Out, The Shape of Water, The Revenant, Room, Son of Saul, Creed, Rocky, Three Billboards Outside of Ebbing, Missouri, Arrival, The Great Wall, The Shallows, Prisoners, Split, Train to Busan, Lion, Slumdog Millionaire, Crash, Breakaway, Priest, Carrie, Les Miserables, The Happening, Unbreakable, Sixth Sense, Seven, Sully, Captain Phillips, Jaws, 12 Years a Slave, The Martian, The Hunt for the Wilderpeople, The Signal, The Fury, The Book Thief, Carrie, Elysium, The Village, The Sapphires, The Magnificent Seven, Memoirs of a Geisha, 42, Silver Linings Playbook, etc.

Students will be evaluated on their engagement in class/group discussions, personal/creative/analytical responses, and projects (no exams or essays). Students will be given class time to read, view, discuss, and create (no homework unless classes are missed).

Fitness

Personal Fitness and Health
CREDITS: 3+

Do you enjoying trying new activities? Does working out with others help keep you motivated? Are you interested in sport nutrition? If you said yes to any of these, this is the course for you! Students will apply basic training and movement principals to health-related and performance-related components of fitness training and will create fitness activities and develop a basic individual fitness plan to achieve goals. You will also discuss group fitness trends, participate in a variety of group fitness opportunities and apply training and movement principals to analyze these trends. Finally you will explain the role of food and hydration in helping individuals achieve optimal physical performance for recreational activities and sport, creating and of course eating, yummy nutritious snacks.

Students will have a number of opportunities to attend group fitness classes such as but not limited to: yoga, marital arts, Zumba, aqua-size, Barre class, spin biking, move-ball, pilates and group fitness. There will be 2 field trips to Edmonton which will be an additional cost to each individual. The first will be to the University of Alberta to their Kinesiology lab which would involve 5 group members volunteering to have testing completed on them including VO2max, underwater weighing and a wingate test. Other members will also participate in the training varsity athletes complete each year with results sent to us to analyze. The second trip will include a yoga, Barre or aqua-size class.

The following courses will be completed throughout the option:

Rec1040	Foundations for Training 1
Rec1045	Group Exercise Trends
REC2010	Nutrition for Recreation Activities and Sport

Foods

Foods Studies

Foods courses offer students the opportunity to develop daily life skills and career or temporary employability skills. Individual modules are comprised of both practical application and theoretical learning.

Foods 10
Credits: 5+ Prerequisite: NONE
Level: Introductory / Intermediate

Foods 1 is a comprehensive and informative course that encourages the student to investigate various methods of food prepara tion and service. The course is teacher directed with a focus on nutrition, safety and sanitation, multicultural aspects of food. The principles of milk and egg cookery, and the development of wholesome dishes using convenience foods are also investigated through a variety of practical labs.

Modules	Descriptions
FOD1010 Food Basics	You will learn the basics of safety and sanitation within the kitchen, as well as familiarize yourself with cooking utensils and equipment. You will also gain knowledge of the Canadian Food Guide while learning the nutritional and functional values of foods during the cooking process.* This is the prerequisite for all other Foods modules.
FOD1020 Contemporary Baking	You will develop an understanding of the basics to the art of baking in this module. You will create delicious cookies, muffins, cakes, etc. while learning the importance of ingredient selection and mixing techniques in order to transform them into the baker's pride.*
FOD2060 Milk and Eggs	You will develop skills using milk products and eggs. You will examine how to retain their nutritional value and quality in various recipes. *
	Choice of 2:
FOD2170 International Cuisine	You will discover other cultures and focus on one of your main interests. You will explore their cuisine and way of life through a presentation and a variety of techniques for international cooking and use of specialized tools.*
FOD1050 Fast and Convenience Foods	You will consider budget, time, quality, of food and food alternatives by making wise choices in the buying, using and preparing of fast foods and convenience foods. *
FOD 2140 Rush hour Cuisine	You will consider budget, time, quality of food and food alternatives by making wise decisions in the buying, using and preparing of fast foods and convenience foods. You will learn unique and quick ways to create nutritious and delicious dishes, using simple ingredients and prepared convenience foods.*
FOD1040 Meal Planning 1	You will develop an understanding of planning, preparation and evaluation of balanced healthy meals.

Career & Technology Studies (CTS)

Foods Studies

Foods courses offer students the opportunity to develop daily life skills and career or temporary employability skills. Individual modules are comprised of both practical application and theoretical learning.

Foods 20
Credits: 5+ Prerequisite: 1010
Level: Introductory / Intermediate

Foods 20 is an intermediate food studies course designed to expand on the basics and help you gain confidence and experiment with new products, techniques, etc. This is a 5 credit course for one semester.

Module Clusters	Credit Descriptions
FOD2120 Meal Planning 2	You will learn strategies for planning and creating satisfying meals that accommodate busy schedules or strained budgets.*
FOD2040 Cake and Pastry	You will expand your knowledge and skills in the production of a variety of cake and pastry products. *
	Choice of 3:
FOD2070 Soups and Sauces	You will combine stocks with various thickening agents to produce hearty soups and sauces.
FOD2090 Creative Cold Foods	You will learn to combine nutrition and creativity in the preparation of salads and sandwiches.
FOD 2130 Vegetarian Cuisine	You will learn how to create healthy, wholesome vegetarian diets by preparing suitable foods in a variety of ways.
FOD2180 Fruits and Vegetables	You will learn about the wide range of vegetables and fruits available, and how to retain their nutritional value and quality through a variety of preparation and presentation methods. *

Foods Studies

Foods 30
Credits: 5+ Prerequisite:1010

This is an advance food studies course designed to increase your knowledge, practice your skills and prepare for future experiences. This is a 5 credit course per one semester.

Module Clusters	Credit Descriptions
FOD3030 Creative Baking	You will learn about specialty cakes and pastry products by selecting and creating specialty cakes, pastries, desserts and a major baked product.
FOD3060 Food Presentation	You will develop creativity and flair while learning the techniques of tempting and artistic food presentation.
FOD3070 Short-ordering Cooking	You will develop knowledge and skills in the principles and preparation underlying short-order cookery.
FOD3100Entertaining Food	You will plan and prepare food for an event and develop organizational skills that may be used in the hospitality industry, at home or in entrepreneurial endeavors.
	Choice of 1:
FOD3020 Nutrition and Digestion	You will learn about nutrition and how the body processes food by appraising current nutritional theories/issues and dietary needs.
FOD3050 Advanced Soups and Sauces	You will learn the techniques and ingredients of classic cuisine through the preparation of traditional soups and sauces and be adapting them for the trend toward lighter eating and nouveau cuisine.

Mechanics/Welding

These classes will help students develop knowledge, skills, and attitudes regarding the design, service, and repair of transportation sys tems and expand personal knowledge and appreciation of career opportunities related to the transportation industry.

Mechanics 10
Credits: 1-6
Prerequisite: NONE

Content: In Mechanics 1, through instruction, research and hands-on experiences; students have the opportunity to gain knowledge and skills on the design, maintenance and care of the automobile. It will also provide insight into possible rewarding careers in the industry.

Mandatory
MEC 1015 Hand Tools
MEC 1020 Vehicle
MEC 1150 Ride & Control Systems
MEC 1110 Pneumatics
MEC 2110 Brakes

Mechanics 20 ,30
Credits: 5
Prerequisites: Mechanics 10

Content: Mechanics 20 & 30 is an advanced vocational class dealing with the diagnosis and repair of the automobile. Mechanics 20 & 30 is a practical, hands-on class which is best suited to students with an interest in pursuing a career in the trade or in completing major automotive repairs on their own vehicles. These are examples of potential credits/modules.

Mechanics 20	Mechanics 30
MEC 1040: Engine Fundamentals	**MEC2130** Drive Trains
MEC 2150 Suspension Systems	**MEC2140** Transmissions/Transaxles
MEC 2010 Vehicle Detailing	**MEC2160** Steering Systems
MEC2040 Fuel & Exhaust	**MEC3020** Vehicle Value Appraisal
MEC2070 Emission Controls	**MEC3030** Engine Diagnosis
MEC2090 Power Assist Accessories	**MEC3040** Engine Tune-Up
MEC2110 Braking Systems	**MEC3050** Engine Replacement
MEC2120 Hydraulic Accessories	**MEC3060** Engine Reconditioning 1

Welding

Welding is an introduction to both stick and mig welding processes. Students can expect to spend time learning some fabrication skills and tools and perhaps oxyfuel welding and cutting.

Fab 1010	Fabrication Tools and materials
Fab 1048	Semi Automated Welding
Fab 1050	Basic Electric Welding
Fab 1100	Fabrication Principles
Fab 2048	Flux core are Welding 1
Fab 2050	Arc Welding 1

General Music 10/20/30
5 credits

General music covers a wide variety of musical experiences that address critical thinking skills and build an awareness of music in our society.
Students will facilitate learning in the classroom setting in areas such as program music, composers, history of rock, theater, movie music and much much more. We also have some instruments in the music program, which allow every student to play an instrument in general music class.

Outdoor Pursuits

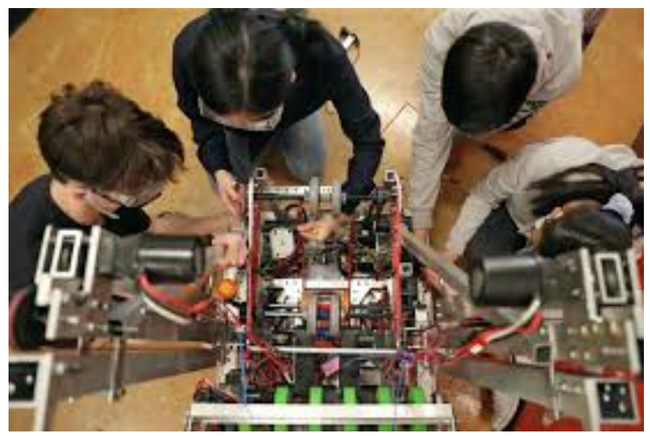
5 Credits

The Outdoor Ed program is an excellent student-centered program where students learn to challenge themselves mentally, physically, socially and emotionally. The students will utilize the great outdoors as a classroom and incorporate many skills to learn how to live an active and healthy lifestyle. The focus of these courses is on building outdoor skills such as leadership, excursion, trip planning, wilderness navigation , survival, outdoor cooking and utilizing those skills both in the classroom and the outdoors. Excursions are tailored to the seasons (canoeing, backpacking, back country skiing, climbing, mountain biking).

Sr. Robotics

5 credits

In this option, you will learn the basics of Robotics. From the definition of a robot to how programming works to designing, building and programming robots.



Videography and Photography
5 credits

Video Production and Motion Picture Effects

The Video Production course is an opportunity to study pre-production, production and post production elements of film. This year we will be using Adobe Youth Voices as a catalyst for our work. More importantly we will workshop the process of developing stories and films with meaning and substance. Students will also look at the theory and skills necessary to produce creative, artistic and of course, meaningful digital projects using industry standard software from Adobe. Throughout the term students will be able to access lessons, videos and other pertinent information through the class blog, twitter feed and youtube channel.

Photography

Photography is an opportunity for students to immerse themselves in a unique learning environment. Unlike most conventional classes, students enrolled in this course will have the opportunity to create products that are both creative and technical in nature. In this course we will study exposure, composition, raster graphics, darkroom techniques, colour, black and white, studio, outdoor and photographic communication.

Students will also look at the theory and skills necessary to produce creative, artistic and of course, meaningful digital projects using industry standard software from Adobe. We will start off the year with some prerequisite assignments and a pre-requisite course. Once we cover the basics we'll take a look at more specific applications in detail.
During this time students will learn the principals and theory behind the software, the design process, and you'll be able to create some great projects as well! Students will create a working portfolio and will be exposed to Studio photography for the first time this year. This will be an exciting opportunity for students to learn skills that will aid them in future endeavours and will ultimately help everyone become better photographers.

Careers and the World of Work

RAP (Registered Apprenticeship Program) RAP is available to Grade 12 students ONLY

These courses are listed according to the trade the student is working. There are over 50 trades to choose from in the province of Alberta.

Work Experience (3-10 Credits for each level (15, 25, 35)) is available to Grade 12 students ONLY

Work Experience is employment undertaken by a student as a part of a planned school program which is under the cooperative supervision of a teacher-coordinator and the employer. Credits may be earned to a maximum of fifteen credits per student on the basis of a student's performance in 62.5 hours work for 3 credits, 125 hours work for 5 credits, 250 hours work for 10 credits and 375 hours work for 15 credits. Consideration is given to placing students in work environments related to careers they may be exploring. Students will gain an understanding of the world of work and of a particular occupation.

Co-Requisite: HSC 3000: Workplace Safety Systems

Work Experience can be completed after hours, if prior arrangements are made with the instructor.

Students may not commence this course until approval has been received for the work site and all necessary documentation is completed. **NOTE**: The number of Work Experience credits that a student may count toward a High School Diploma is **limited to 15**.

Yoga

YOGA 15/25/35
CREDITS: 5+

Stress eating away at you? Are those hips always sore from sitting or that neck tight from texting? Come relieve some of your tension and learn about the ancient art of Yoga! In the Yoga options, students will experience the health benefits of yoga and develop their well-being and personal management skills – skills which will help them to balance school, work and other life priorities. Yoga is a holistic pursuit of wellness where students are encouraged to challenge their limits, both physically and psychologically. By experiencing these challenges, while learning in a supportive group setting, students will gain a better sense of identity, both as individuals and as active agents of a broader world.

Students will complete 5 credits in either Yoga 15, 25 or 35 with each section building skills, poses, and knowledge on the history of yoga, meditation, and self. Poses students may learn include but are not limited to:

- bridge (setu bandha sarvangasana)
- camel (ustrasana)
- cobra (bhujangasana)
- corpse (savasana)
- cow's head, arms only (gomukhasana)
- downward facing dog (adho mukha svanasana)
- extended side angle (utthita parsvakonasana)
- extended side stretch (parsvottanasana)
- fierce, lightning bolt (utkatasana)
- forward facing hero (adho mukha virasana)
- easy pose (sukhasana) garland, with heel support (malasana)
- gate (parighasana)
- half moon (ardha chandrasana)
- hero (virasana)
- mountain (tadasana)
- seated twist (bharadvajasana I)
- seated twist (marichyasana I)
- staff (dandasana)
- standing forward bend (uttanasana)
- tree (vrksasana)
- triangle (utthita trikonasana)
- warrior I (virabhadrasana I)
- warrior II (virabhadrasana II)
- wide-leg forward bend (prasarita padottanasana)
- adept's pose (siddhasana)

Course Planner

Core Course Selection for upcoming grade 10 students

CORE Courses	Choices	Credits	Choice
ENGLISH			
If your grade 9 LA mark is above 65%	English 10-1	5	
If your grade 9 LA mark is below 65%	English 10-2	5	
Knowledge & Employability Program	English 10-4	5	
SOCIAL STUDIES			
If your grade 9 Social mark is above 65%	Social 10-1	5	
If your grade 9 Social mark is below 65%	Social 10-2	5	
Knowledge & Employability Program	Social10-4	5	
MATHEMATICS			
If your grade 9 Math mark is above 65%	Math 10-C	5	
If your grade 9 Math mark is below 65%	Math 10-3	5	
Knowledge & Employability Program	Math 10-4	5	
SCIENCES			
If your grade 9 Science mark is above 65%	Science 10	5	
If your grade 9 Science mark is below 65%	Science 14	5	
Knowledge & Employability Program	Science 10-4	5	
PHYS.ED			
Phys Ed 10 (3 credit flex block)	Phys Ed 10	3	
Phys Ed 10 (5 credit regular block)	Phys Ed 10	5	
CALM			
CALM 20	CALM 20	3	

PLEASE NOTE ALL GRADE 10 STUDENTS MUST ENROLL IN CALM

Course Planner

Core Course Selection for upcoming grade 11 students

CORE Courses	Choices	Credits	Choice
ENGLISH			
If your English 10-1 mark is above 65%	English 20-1	5	
If your English 10-1 mark is below 65% or you passed English 10-2	English 20-2	5	
Knowledge & Employability Program	English 20-4	5	
SOCIAL STUDIES			
If your Social 10-1 mark is above 65%	Social 20-1	5	
If your Social 10-1 mark is below 65% or you passed Social 10-2	Social 20-2	5	
Knowledge & Employability Program	Social 20-4	5	
MATHEMATICS			
If your Math 10C mark is above 65%	Math 20-1	5	
If your Math 10C mark is above 50% but below 65%	Math 20-2	5	
If your Math 10C mark is below 50% or you passed Math 10-3	Math 20-3	5	
Knowledge & Employability Program	Math 20-4	5	
SCIENCES			
If your Science 10 mark is above 50% you may choose any 20 level sciences. However it is recommended that you should have a minimum of 60% in Science 10.	Biology 20	5	
	Chemistry 20	5	
	Science 20	5	
It is recommended that students planning on taking physics have a minimum grade of 65% in math 10C	Physics 20	5	
If your Science 14 mark is above 50%	Science 24	5	
Knowledge & Employability Program	Science 20-4	5	

PLEASE NOTE ALL GRADE 11 must have one 20 level science and math course as a graduation requirement.

Course Planner

Core Course Selection for upcoming grade 12 students

Core Courses	Choices	Credits
ENGLISH		
If your English mark is above 65%.1f it is below 65% choose 30-2	English 30-1	5
If your 20-2 mark is above 50%	English 30-2	5
Knowledge& Employability Program	English 30-4	5
SOCIAL STUDIES		
If your Social mark is above 65%.1f it is below 65% choose 30-2	Social 20-1	5
If your 20-2 mark is above 50%	Social 20-2	5
MATHEMATICS		
If your Math 20-1 mark is above 65%	Math 30-1	5
If your Math 20-2 mark is above 50% but below 65%	Math 30-2	5
If your Math 20-1 mark is above 65%	Math 31	
SCIENCES		
If your mark is above 65% in your Sciences then you may move to the 30 level. However, if it is less than 65% you may consider taking Science 30 through virtual.	Science 30 (Virtual)	5
	Biology 30	5
	Chemistry 30	5
	Physics 30	5

PLEASE NOTE: All Grade 12's enrolled in 30 level core courses must write diploma exams. Diplomas are worth 30% of your grade. Also note, that Grade 12's must complete the following in order to graduate: Social at a 30 level, English at a 30 level and two more 30 level courses (in any course other than Social and English).

FYI if you are planning on going to a post-secondary school (University or College) please see Mr. Morrison or Mrs. Holdis to confirm the entrance requirements for your program, as they change each year.

Time Table Template

Semester 1		Semester 2	
Block 1		Block 1	
Block 2		Block 2	
Lunch		Lunch	
Block 4		Block 4	
Block 5		Block 5	

Each student will need a minimum of 4 cores (English, Math, Science and Social Studies). Grade 10's will need a time slot for both CALM and Phys.ed (either 3 or 5 credit)

The rest of your timetable may be filled with a combination of options (or core courses).

Sr. High students please remember to schedule in your lunch break.

Graduation Checklist

Edwin Parr

What You Can Find on the EPC Website:

Our site carries information including staff email links, links to specific course websites, the school calendar, School Council information, grad information, lots of information regarding the diverse programs offered at EPC, post-secondary information including links to the University of Alberta, Grant MacEwan, and NAIT; as well as Scholarship information. There is so much more check us out at: www.aspenview.org/epc

Aspen View Regional Division

Our division website has up-to-date information about what is going on in Athabasca and around the Aspen View region. You can find the division website at: www.aspenview.org/do

Education Sites

http://education.alberta.ca
http://www.alis.gov.ab.ca
http://www.aucc.ca/can_uni/our_universities/index_e.html
http://www.campusstarter.com/

Scholarships, Bursaries and Loans

http://alis.alberta.ca/scholarships
http://oncampus.mcleans/scholarships
http://studentaid.alberta.ca/scholarships/rutherford-scholarship/
http://Studentscholarships.org/albertabook.php
www. studentscholarships.org
www.albertascholarships.ca
www.ammsa.com
www.nursingscholarships.ca
www.nupge.ca/scholarships
www.engineeringscholarships.ca
www.listofscholarships.ca
www.millenniumscholarship.ca
www.hrdc-drhc. gc.ca/student_loans/

Grade 7 Complementary Courses

Art	Students will have the opportunity to complete multiple art projects over the length of the quad. Students are given a theme each week and then they can create a piece of art of their choice, which follows the theme.
Health	Health and life skills involves learning about the habits, behaviors, interactions and decisions related to healthy daily living and planning for the future. It is personal in nature and involves abilities based on a body of knowledge and practice that builds on personal values and beliefs within the context of family, school and community.
Outdoor Pursuits	In our Junior High Outdoor Pursuit's classes, we will focus on the foundational skills of living and recreating in the outdoors. In addition to the standard shelter building, fires, survival skills, camp skills, and environmentalism units, Students will focus on AHIEA's Fishing Education, and Aquatic Recreation. Be prepared to go outside at least twice each week in any weather condition.
Science with Cielen	Students will have the chance to explore enrichment science topics. The possibilities could include but are not limited to: stem
Swimming	Students will be introduced to opportunities for health and wellness in aquatic sports. Topics include: underwater hockey, water polo, competitive diving, synchronized swimming, aqua fit, Scuba/Skin diving, lifeguarding sport, boating, surfing/boogie boarding, and stroke improvement. Gr. 7 students will focus on positive team building, skill acquisition for foundational swim sport, low impact training, and aquatic leadership. For an optimal experience, students should be comfortable putting their face in the water and be able to swim 25m (1 length of the pool) unassisted.

Grade 8/9 Complementary Courses

Art	This option provides opportunities for students to develop knowledge, skills, and attributes they need to express their ideas, understandings, and feelings through art.
Cosmetology	COSMETOLOGY 8/9 is an option course designed from a variety of Career and Technology Studies (CTS) Cosmetology and Esthetics modules; the primary focus of the course will be on students learning and applying concepts related to personal and client grooming (creating long hair designs, designing basic make-up, and creating nail art) in a safe, sanitary environment.
Drama	Junior high drama builds the foundational skills in acting, rehearsal and performance in a group based setting. Students will participate in energizing activities, improvisational scenarios and performances. They will have the opportunity to work with puppets, star in their own melodrama and perform for outside audiences.
Film Appreciation	Film appreciation will introduce students to the film industry and history of cinema through the study of classic and contemporary films. We will explore a wide variety of styles and genres as well as formulate and justify criticisms of the works. Through the study of film, students will focus on the following driving questions: What can film do well in terms of storytelling? How are films changing and evolving? What do these changes say about us as an audience?
Health	Health and life skills involves learning about the habits, behaviors, interactions and decisions related to healthy daily living and planning for the future. It is personal in nature and involves abilities based on a body of knowledge and practice that builds on personal values and beliefs within the context of family, school and community.
Hockey Academy	The hockey skills based program is an option for students in Gr. 8 and 9. Students will benefit not only from increased on- ice instruction in individual skills but also from off-ice training specifically designed for hockey. The on-ice portion is designed around the 5 skills of skating, puck control, passing, shooting and checking.

Music	Junior High General Music builds the foundational skills in theory, instrumentation and performances. Students will develop skills in rhythm, music notation, and rehearsal and performance practice. They will have the opportunity to explore genres such as RAP, Stomp, voice, piano, ukulele, and so much more.
Outdoor Pursuits	In our Junior High Outdoor Education classes, we will focus on the foundational skills of living and recreating in the outdoors. In addition to the standard shelter building, fires, survival skills, camp skills, and environmentalism units, Grade 8 Students will focus on AHIEA's Fishing Education, and Aquatic Recreation. Be prepared to go outside at least twice each week in any weather condition.
Robotics	In this option, you will learn the basics of Robotics. From the definition of a robot to how programming works to designing, building and programming robots.
Science Exploration	Curious Minds – This junior high option will provide an opportunity for students to satisfy their curiosities related to the physical and natural world. Through a primarily hands-on approach; closely tied to STEM education, students will be able to connect with everyday phenomena and current events, linking science to the real world. By connecting students with their environment and local community, students will be able to explore scientific applications and principles outside the classroom walls in a way that the traditional classroom often does not provide. Construction challenges, field trips, labs, experimentation and inquiry are the cornerstones of the course. Ultimately, the goal is to create a passion for science.