

STURGEON COMPOSITE HIGH SCHOOL

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“KINDLE THE SPIRIT”



COURSE SELECTION GUIDE

2008-2009

“Together We Can Influence Tomorrow”



This Course Selection Guide, a product of teachers and administrators, attempts to present for students and parents alike the complete program offered at Sturgeon Composite High School. Subject teachers, counselors and administrators are ready at any time to supply further information or to answer questions to assist in program and course selection.

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CODE OF STUDENT CONDUCT AND BEHAVIOUR

ALCOHOL

The use or possession of alcohol while under the school's jurisdiction, may result in one or more of the following: transfer of the student to the custody of parents, suspension from school, expulsion from school, or involvement of the RCMP.

BEHAVIOUR

A student shall conduct himself so as to reasonably comply with the following code of conduct:

- (a) be diligent in pursuing his studies
- (b) attend school regularly and punctually
- (c) cooperate fully with everyone authorized by the board to provide educational programs and other services
- (d) comply with the rules of the school
- (e) account to his teachers of his conduct; and
- (f) respect the rights of others
- (g) keep lockers, school building and grounds, clean and neat
- (h) adhere to school dress code

Consequences for failure to meet the requirements of the code of student behaviour and conduct may result in disciplinary action that may include suspensions and recommendations for expulsion from the school and/or district.

DRESS CODE

In keeping with the philosophy of Alberta Education, we at SCHS strive to help our students become productive citizens who are ready to enter the work force or are ready to pursue post-secondary education. As a result, students are expected to conduct themselves in a manner that demonstrates respect and to dress appropriately for a school/work place setting.

- (a) Footwear must be worn at all times in the school.
- (b) Students must not wear clothing or accessories that have sharp points or edges.
- (c) Students must not wear clothing or accessories that are offensive or depict illegal or immoral behavior.
- (d) Students must wear clothing that covers their chest, back and midriff (no spaghetti straps or strapless/off the shoulder shirts).
- (e) Shorts and skirts must be a reasonable length.
- (f) Make-up must be appropriate for the work place.

The final determination about modesty and/or appropriateness of dress lies with school staff.

ILLEGAL SUBSTANCES

It is the belief of SCHS that a drug culture is counter productive to the major purposes of an educational institution. Therefore, students found in possession of illegal substances will be brought to the School Division's Discipline Committee with a recommendation of expulsion for a minimum of one semester. In addition, the student may be required to provide proof of external drug counselling before returning to SCHS. In the event a student becomes a repeat offender, the student shall be permanently expelled from SCHS, if the school personnel deems it appropriate. An administrator will contact the parents/guardians of students who appear to be under the influence of illegal substances while at school or school related functions.

PARKING

Students are welcome to park in the student parking lot only. Inappropriate student driving or parking behavior or littering from vehicles, may result in suspension of parking privileges. For fire safety and bus safety reasons, there is to be **NO** student parking or driving in the front bus parking lane area. From time to time students may choose to participate in activities which are counter productive to the needs of the school and student safety. Students who use their vehicles to transfer other students to off school sites for the purpose of engaging in or witnessing fighting, conflicts, confrontations or operate their vehicles in an unsafe manner, will lose the privilege of parking their vehicles on school property and may also be suspended. There may also be the need to involve the RCMP. Only **authorized** vehicles are allowed in the vocational compound. Visitor parking space is available in the student parking lot and all visitors are required to check in at the office.

SAFETY/FROSHING/HARASSMENT

For students to perform at their optimum level, they have to feel safe. Acts of physical violence, intimidation and harassment remove the ability of students to feel safe. Both the **School's policy** and the **School Division's policy on "Harassment"** recognize the severity of these types of infractions. If a student froshes another student which, (1) insults the student, (2) assaults the student, (3) decreases a positive school climate and/or (4) results in damage to school, public or private property, then that person may be charged by the R.C.M.P. with "willful damage" or "mischief" and/or be suspended. **Repeat or flagrant offenses may result in expulsion.**

SMOKING

Sturgeon Composite is a Smoke Free facility. ***Smoking is prohibited on Sturgeon School Division property and students who do not comply with policy may serve an out-of-school suspension and be charged.***

BEFORE YOU ENTER HIGH SCHOOL

Take some time to plan your high school program and think about your future goals. You will face many choices as you select your high school courses. If you select your courses carefully, you will graduate prepared for a variety of opportunities; selecting courses haphazardly will limit your choices after graduation and place your future goals out of reach. Many factors will influence your decisions, including:

- your abilities
- your interests
- your values
- your goals for the future
- the diploma requirements
- advice from others

THROUGHOUT HIGH SCHOOL

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.

SELECTING A PROGRAM

As you prepare to make program and course selections for next year it's a good idea to review some important vocabulary and organizational aspects of life at Sturgeon Composite. You need to consider your marks coming into high school and note that there are "prerequisite" averages. This means that your grade nine mark must be at or above the "prerequisite".

CREDITS

Each high school course is assigned a certain number of credits. Generally the number of credits depends on the number of minutes of instruction time devoted to that course.

Sturgeon Composite High School offers courses in the semester system. Semester one courses start at the beginning of the school year and finish at the end of January. Semester two starts in February and finishes in June. In this system, the school schedules a 5-credit course daily and a 3-credit course every second day for one semester.

- i.e. A (5) credit course receives 400 minutes of instruction time per week for one semester.
A (3) credit course receives 200 minutes of instruction time per week for one semester.
A (1) credit course receives 25 hours of instruction.

Students obtain credits with a mark of 50% or above. A full year's program will consist of 40-42 credits. In grade 10 it is mandatory that a student take a full credit load.

Minimum credit loads:

Grade 10

40-42 credits

(**NO** study periods)

Grade 11

must have earned 35 credits

AND registered in 35 credits

Grade 12

must have earned 70 credits

AND registered in 30 credits (min. of 15 each semester)

COURSES

Of the 100 credits you need to earn a diploma, 56 will be earned through courses in subjects you are required to take. These **core** subjects are: English, social studies, mathematics, science, physical education, and career and life management. You will be able to choose the courses you need to earn the remaining 44 credits. Although you have considerable freedom in choosing courses in **complementary** subjects, it is important to make these choices carefully so that you gain skills that will be useful when you graduate.

If you are planning to attend a post-secondary institution, you will discover that most require more core courses than are required for a high school diploma. You will have to select these core courses as complementary choices.

Each high school core course is given a number:

- courses numbered 10-19 or 1000-1999 are courses usually taken in grade 10
- courses numbered 20-29 or 2000-2999 are courses usually taken in grade 11 but **prerequisite courses must be completed first**
- courses numbered 30-39 or 3000-3999 are courses usually taken in grade 12 but **prerequisite courses must be completed first**

It is usually necessary to complete a lower-level course before registering in the course at the next level. Completion of a course means a mark of 50% or higher. 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.

You do not need to select all your courses from the same series. For example, you may choose English 10-1, Mathematics 14 and Social Studies 10-2. You may also transfer from one series to another. At some point in high school, you may find that a course you want to take is full. You may have to postpone taking that course until another semester.

In some courses, you are required to write **diploma examinations**. Your final marks in these courses are the average of the mark your teacher gives you and your results on the diploma examination. Diploma examinations are written in English 30-1 and 30-2, Social Studies 30 and 33, Pure Math 30, Applied Mathematics 30, Biology 30, Physics 30, Chemistry 30 and Science 30.

PROMOTION

Promotion in high school is by course and subject. A minimum mark of 50% is required to receive credits in grade 10, 11 and 12 courses. A student must earn a mark of 50% in a course before proceeding to the next level of that course. A grade 10 student is one who has not yet earned at least 35 credits. A grade 11 student is one who has earned at least 35 credits but less than 70. A grade 12 student is one who has earned over 70 credits.

In planning your schedule it is important to know what grade 12 subjects you will want to take so that you can take the right prerequisites in grade 10 and 11.

Students are advised to pass their grade 10 courses in the grade 10 year so that they have the necessary prerequisites for subsequent courses.

ADMISSION REQUIREMENTS POLICY FOR GRADE 10 LEVEL CORE SUBJECTS

Students must have achieved the following academic standards in grade 9 to be eligible for registration in the courses listed below:

<u>COURSE</u>	<u>MINIMUM ACHIEVEMENT</u>
<i>English 10-1 AP</i>	<i>75% in Language Arts 9</i>
<i>English 10-1</i>	<i>65% in Language Arts 9 or English 10-2</i>
<i>Social Studies 10-1 AP</i>	<i>75% in Social Studies 9</i>
<i>Social Studies 10-1</i>	<i>65% in Social Studies 9 or 10-2</i>
<i>Pure Mathematics 10-1 AP</i>	<i>75% in Mathematics 9</i>
<i>Pure Mathematics 10</i>	<i>65% in Mathematics 9 or 70% in Math 10 Prep</i>
<i>Applied Mathematics 10</i>	<i>50% in Mathematics 9 or 60% in Math 10 Prep or Math 14</i>
<i>Science 10 AP</i>	<i>75% in Science 9</i>
<i>Science 10</i>	<i>65% in Science 9 or 14</i>

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

Students registering in grade 10 at Sturgeon Composite High School 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. In most cases, the junior high school will forward your result statement to SCHS at the end of June.

Placement in programs included in this policy, may be appealed to the principal of Sturgeon Composite High School by the parent or guardian prior to August 30 for the first semester or January 30 for the second semester. Parents must then sign a form stating that they have made this appeal. Any special conditions or requests will be reviewed in a meeting of the parent or guardian and Sturgeon Composite High School administration at the earliest convenience for both parties.

RETROACTIVE CREDITS

Students who achieve a final standing of between 40-49% in Social Studies 10-1, English 10-1, Pure Math 10 or Science 10 may elect to continue in the alternative course sequence. (i.e. Social Studies 20-2, English 20-2, Applied Math 20 or Science 24). Students who successfully complete the next higher level, in an alternative course sequence, will be granted credit in the prerequisite course in that sequence automatically by Alberta Education, once the passing grade has been submitted to the Student Evaluations and Records Branch.

REGISTERED COURSE FAILED

Social Studies 10-1
English 10-1
Science 10
Pure Mathematics 20
Social Studies 20-1
English 20-1
Applied Mathematics 10
Social Studies 10-2
English 10-2
Mathematics 14
Science 14

ALTERNATE COURSE PASSED

Social Studies 20-2
English 20-2
Science 24
Applied Mathematics 30
Social Studies 33
English 30-2
Mathematics 24
Social Studies 26
English 20-4
Mathematics 20-4
Science 20-4

CREDIT GRANTED FOR

Social Studies 10-2
English 10-2
Science 14
Applied Mathematics 20
Social Studies 20-2
English 20-2
Mathematics 14
Social Studies 10-4
English 10-4
Mathematics 10-4
Science 10-4

REQUIREMENTS FOR THE ALBERTA HIGH SCHOOL DIPLOMA

A High School Diploma is an official document issued by Alberta Education in the Province of Alberta certifying that the holder has completed a prescribed program of high school instruction. High School Diploma requirements are as follows:

NOTE: The High School Diploma does not necessarily grant admission to post-secondary educational institutions. You should be aware that there are a variety of entrance requirements for post-secondary institutions and you should plan your programs accordingly.

To qualify for the Alberta High School Diploma, students are required to obtain a minimum of 100 credits as indicated below:

<u>PROGRAMS</u>	<u>MINIMUM CREDITS</u>	<u>ELIGIBLE COURSES</u>
<i>Language Arts</i>	<i>15</i>	<i>English 30-1 or 30-2 and the prerequisites.</i>
<i>Social Studies</i>	<i>15</i>	<i>Social Studies 30 or 33 and the prerequisites.</i>
<i>Mathematics</i>	<i>10</i>	<i>Pure Mathematics 20, Applied Mathematics 20 or 24</i>
<i>Science</i>	<i>10</i>	<i>Science 20 or 24, Biology 20, Chemistry 20 or Physics 20.</i>
<i>CALM</i>	<i>3</i>	<i>Career and Life Management.</i>
<i>Physical Education</i>	<i>3</i>	<i>Physical Education 10.</i>
<i>CTS or Fine Arts or Second Languages or Physical Education</i>	<i>10</i>	<i>10 credits from Career and Technology Studies (CTS) or Fine Arts or Second Languages or Physical Education.</i>
<i>A minimum of two Grade 12 courses other than English or Social</i>	<i>10</i>	<i>In addition to English and Social Studies, at least ten credits must be earned in other Grade 12 courses. (All 30-level courses and 3000 level CTS courses are acceptable).</i>

CORE COURSES

Remember that courses in English, social studies, mathematics and science are offered at several levels. Choosing the highest level that you will succeed at is the best way to keep your options open. However, it is important to look at your potential realistically. It is frustrating to be struggling in a course that is too difficult. If you are, you have several options. You can get extra help from the teacher or a fellow student. You may consider getting a tutor or you may decide to move to a less challenging course series. If you are doing better than you expected, you may want to move to a more challenging course series. Should you decide to transfer from one series to another, your principal, counsellor or teacher can advise you on the best way and time to make the change.

Although 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.

COMPLEMENTARY COURSES

Complementary courses offer you a chance to broaden your knowledge by studying a variety of subjects. Some complementary 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.

Some students have as many as 20 credits left for complementary courses each year. If you need each of the three sciences to get into a post-secondary institution, you may have less than 5 credits left each year for complementary courses. You may select from the complementary courses your school offers, or from other core courses.

STUDENTS DROPPING COURSES

Students must make their course selections carefully, taking into consideration ability levels and career aspirations. We expect that students shall remain in the courses they select for the school year. Students may NOT withdraw from a course after ten (10) days without counsellor and parental input. Prior to this date, students must approach the administration and seek permission to “drop” a course. Only if the student meets the minimum credit load requirement, will the administration authorize the withdrawal from a course. Students who want to transfer to another class after ten days (10) days may only transfer to a lower level course (i.e. Pure Mathematics 10 to Applied Mathematics 10).

COURSES OFFERED AT SCHS

Each of the following courses will be offered during the 2008-2009 school year if there is sufficient registration in the course. Grade 10 students may select electives from the grade 10 list; or from the grade 11 list provided that the student has completed the necessary prerequisites and the subject choice is approved by the principal. Grade 11 and 12 students may select electives from any list provided that the student has completed the necessary prerequisites.

Students may be required to select extra electives and list them in order of preference on the registration form. The number in brackets after each course shows the credit value. **NOTE: SOME COURSES MAY NOT BE OFFERED IF ENROLMENT IS INSUFFICIENT.**

COURSE OFFERINGS

GRADE TEN

English 10-1 AP (5)
English 10-1 (5)
English 10-2 (5)

Fine Arts

Art 10 (3)(5)
Ceramics & Sculpture 15 (3)(5)
Creative Arts 15 (3)
Drama 10 (3)
Beginning Band 10 (Instrumental) (3)
Music 10 (Instrumental Concert Band) (5)
Music 10 (Choral) (5)
Music 10 (General-Guitar) (3)
Music 10 (General-Jazz) (3)
Instrumental Jazz Band 15 (5)
Vocal Jazz 15 (5)

Pure Mathematics 10 AP (5)
Pure Mathematics 10 (5)

Applied Mathematics 10 (5)
Mathematics 14 (5)

GRADE ELEVEN

CALM (Career and Life Management) (3)(5)

English 20-1 AP (8)
English 20-1 (5)
English 20-2 (5)

Art 20 (5)
Ceramics & Sculpture 25 (3)(5)

Drama 20 (5)

Music 20 (Instrumental Concert Band) (5)
Music 20 (Choral) (5)
Music 20 (General-Guitar) (3)
Music 20 (General-Jazz) (3)
Instrumental Jazz Band 25 (5)
Vocal Jazz 25 (5)

Pure Mathematics 20 AP (5)
Pure Mathematics 20 (5)

Applied Mathematics 20 (5)
Mathematics 24 (5)

GRADE TWELVE

English 30-1 AP (5)
English 30-1 (5)
English 30-2 (5)

Art 30 (5)
Ceramics & Sculpture 35 (3)(5)

Drama 30 (5)

Music 30 (Instrumental Concert Band) (5)
Music 30 (Choral) (5)
Music 30 (General-Guitar) (3)(5)
Music 30 (General-Jazz) (3)
Instrumental Jazz Band 35 (5)
Vocal Jazz 35 (5)

Pure Mathematics 30 (5)
Mathematics 31(5)
Applied Mathematics 30 (5)

GRADE TEN

Physical Education 10 (3)(5)

Science 10 AP (5)
Science 10 (5)

Science 14 (5)

Second Languages

French 13 (5)
French 10 (5)
German 10 (5)
Spanish 10 (5)

Social Studies 10-1 AP (5)

Social Studies 10-1 (5)
Social Studies 10-2 (5)

GRADE ELEVEN

Physical Education 20 (3)(5)
Fitness for Life 20 (3)

Science 20 (5)
Biology 20 (5)
Chemistry 20 (5)
Physics 20 (5)
Science 24 (5)

French 20 (5)
German 20 (5)
Spanish 20 (5)

Social Studies 20-1 AP (5)
AP History 20-1 (3)
Social Studies 20-1 (5)
Social Studies 20-2 (5)

GRADE TWELVE

Physical Education 30 (5)

Science 30 (5)
Biology 30 (5)
Chemistry 30 (5)
Physics 30 (5)

French 30 (5)
German 30 (5)
Spanish 30 (5)

Social Studies 30 AP (5)
Social Studies 30 (5)
Social Studies 33 (5)

CTS COURSE OFFERINGS

Communication Technology 10 (3)
Construction Technology 10 (5)
Cosmetology 10 (5)
Design Studies 10 (5)
Fabrication Studies 10 (5)
Fashion Studies 10 (3)(5)
Foods 10 (3)(5)
Foods 10-Culinary Arts (5)
Information Processing 10 (3)

Management and Marketing (3)
Mechanics 10 (5)
Tourism and Transportation (3)

Career Transitions (3)(6) (Yearbook)
Communication Technology 20 (5)
Construction Technology 20 (10)
Cosmetology 20 (10)(15)
Design Studies 20 (5)
Fabrication Studies 20 (10)
Fashion Studies 20 (3)(5)
Foods 20 (5)
Foods 20-Culinary Arts (5)(10)
Information Processing 20 (3)(5)
Legal Studies 20 (5)
Management and Marketing (3)
Mechanics 20 (15)
Tourism and Transportation (3)

Communication Technology 30 (5)
Construction Technology 30 (15)
Cosmetology 30 (10)(15)

Fabrication Studies 30 (15)
Fashion Studies 30 (3)(5)
Foods 30 (5)
Foods 30-Culinary Arts (5)(10)
Information Processing 30 (5)
Legal Studies 30 (5)
Management and Marketing (3)
Mechanics 30 (10)
Tourism and Transportation (3)

OTHER COURSES

Registered Apprenticeship Program (5-40)
Work Experience 15 (3)(5)

Work Experience 25 (3)(5)

Work Experience 35 (3)(5)

SCHOLARSHIPS

It is important to note that there have been changes in the course requirements for the Alexander Rutherford High School Achievement Scholarships and there is a minimum credit load for Grade 12 students to qualify for a Sturgeon School Division scholarship and/or bursary. Students who have the ability to achieve an honor standing are encouraged to check out the criteria for various scholarships in the Student Services Department.

SUPPLY LIST

Students are required to have HB pencils, 1 pair of scissors, 1 ruler, 2-3 ring binders (large), ballpoint pens, and lined and plain loose leaf paper. The school recommends that students registered in Pure or Applied Math purchase the following calculator: Texas Instrument T1-83 Plus. Students enrolled in Math 14 or 24 may purchase any scientific calculator.

CALM

CALM (CAREER AND LIFE MANAGEMENT)

CREDITS: 3 OR 5

PREREQ: NONE

CONTENT: The aim of senior high school Career and Life Management (CALM) is to enable students to make well informed, considered decisions and choices in all aspects of their lives and to develop behaviours and attitudes that contribute to the well-being and respect of others, now and in the future. CALM is the core course for health literacy at the senior high level in Alberta. For students who have not earned credits in CTR1010: Job Preparation, should complete this course in CALM.

NOTE: STUDENTS WILL STILL REQUIRE A MINIMUM OF 3 CREDITS IN CALM TO MEET HIGH SCHOOL DIPLOMA REQUIREMENTS.

ENGLISH

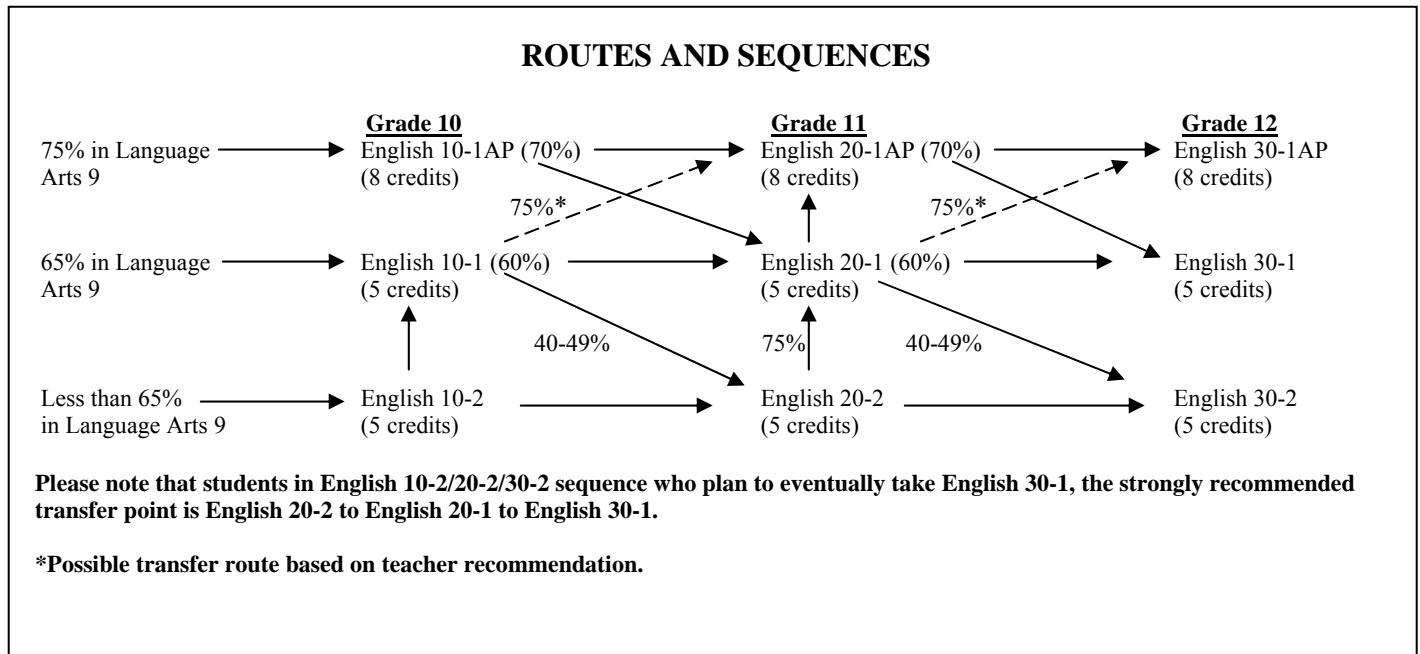
SEQUENCES

English is a required subject for graduation from all high school programs. At Sturgeon Composite High School two routes or sequences are offered. Both sequences, English 10-1/20-1/30-1 or English 10-2/20-2/30-2, deal with the same skills of reading, writing, viewing, speaking and listening. The English Program provides opportunities for students to experience language in functional, analytical, artistic and pleasurable situations with the aim to develop

- awareness and interest in how language works
- an understanding and appreciation of a wide range of use
- flexibility in using language for a variety of purposes.

ROUTES AND PREREQUISITES

The following flow chart illustrates the recommended prerequisite structure of the English program offered at Sturgeon Composite High School.



ENGLISH ADVANCED PLACEMENT (AP)

AP English is an advanced program offered in conjunction with the regular English 10-1, 20-1, 30-1 program. Students registered in AP English will experience increased confidence and skill level due to an intensive reading and writing program. Students will typically study double the number of works of the regular program, which will provide the student with a greater understanding of literary genre in historical perspective, and literary purpose and technique. AP English is a gathering of students who like to read, discuss, and write on a mature level.

Students who take AP are given the same core exams as those of the regular program, so their marks will not decline as a consequence of taking the course, but rather, should improve, as they study at a greater depth.

ENGLISH 10-1 AP

CREDITS: 5 (+ 3 IN AMERICAN LITERATURE 15)

PREREQ: 75% IN LANGUAGE ARTS 9

CONTENT: English 10-1AP is a non-semestered class which allows more time for reading. There is an emphasis on analysis, writing skills, and reading comprehension. Students will develop the skills for strong written and oral presentations.

ENGLISH 20-1 AP

CREDITS: 5 (+ 3 IN BRITISH LITERATURE 25)

PREREQ: 70% IN ENGLISH 10-1AP OR TEACHER'S RECOMMENDATION IN ENGLISH 10-1 (+75%)

CONTENT: English 20-1AP is also a non-semestered course. Students embark on a voyage of discovery, exploring and interacting with a variety of works. They will be encouraged to focus their effort on their responses to literature and not rely on secondary sources.

ENGLISH 30-1 AP

CREDITS: 5 (+ 3 IN ADVANCED ENGLISH 35)

PREREQ: 70% IN ENGLISH 20-1AP OR TEACHER'S RECOMMENDATION IN ENGLISH 20-1

CONTENT: English 30-1AP is also a non-semestered course. This course continues the study of selections from world, English, Canadian and American Literature. It includes an intensive study of a Shakespearean play, a selection of poetry, and the novel in society. Students may write the AP exam in May and then concentrate on preparation for the English 30-1 diploma exam in June. Should students receive a qualifying mark on the AP exam, they can receive credit for first year university English and be placed in second year English at the University of Alberta.

NOTE: ALL AP STUDENTS WRITE THE COMMON ENGLISH 10-1/20-1 FINAL EXAMS AND THE ALBERTA EDUCATION ENGLISH 30-1 DIPLOMA EXAM.

ENGLISH 10-1

CREDITS: 5

PREREQ: MINIMUM 65% IN THE LANGUAGE ARTS 9 COURSE OR ENGLISH 10-2

CONTENT: English 10 is an academic course designed for those students with a need for university entrance or those students with a special interest and ability in English. The focus of this course is on the appreciation of literature, by examining genres such as the short story, poetry, the novel, the Shakespearean play, the feature film, and visual and multimedia text. Students are also expected to develop proficiency in using language confidently for a variety of purposes.

ENGLISH 20-1

CREDITS: 5

PREREQ: RECOMMENDED 60% IN ENGLISH 10-1 OR 60% IN ENGLISH 20-2 (RECOMMENDED 75%)

CONTENT: English 20-1 is based on literary analysis and is designed to increase the student's knowledge and appreciation of literature and his/her communication skills. It includes a study of both Shakespearean and modern drama (optional), the literary essay, poetry, the short story, the novel, visual and multimedia text, and film.

ENGLISH 30-1

CREDITS: 5

PREREQ: RECOMMENDED 60% IN ENGLISH 20-1

CONTENT: English 30-1 is required for university entrance. It includes a study of Shakespearean or modern drama, the literary essay and other non-fiction, poetry, the short story, and the novel, visual and multimedia text and film. It is the most intense study of all English courses, with the objective of preparing students to excel in both literary analysis and communication skill.

ENGLISH 10-2

CREDITS: 5

PREREQ: NONE

CONTENT: English 10-2 is a course designed for those students who are working towards achieving a high school diploma. It offers an opportunity for students to develop their basic communication skills, as well as to become involved in various forms of literature and to form personal responses to this literature. Through reading, writing, speaking, listening, and viewing, students are encouraged to explore their own views and experiences. Emphasis is on responding to literature and recognition of ideas contained in it rather than on literary analysis.

ENGLISH 20-2

CREDITS: 5

PREREQ: MINIMUM 50% IN ENGLISH 10-2 OR 40% IN ENGLISH 10-1

CONTENT: The content of this course includes the study of short stories, poetry, non-fiction, the novel, film the modern play, and multimedia. The literature studied will be chosen to increase understanding of man and society as well as to enhance skills in communication. Considerable emphasis is placed on helping students overcome writing.

ENGLISH 30-2

CREDITS: 5

PREREQ: MINIMUM 50% IN ENGLISH 20-2 OR 40% IN ENGLISH 20-1

CONTENT: English 30-2 is a course which provides students with entrance to most secondary institutions other than university. The content of the course includes the study of short stories, non-fiction, novel, modern drama, film and multimedia. Emphasis will be on oral and written response to ideas implicit in the literature, but technical literary analysis will be incorporated in the studies.

FINE ARTS

ART 10

CREDITS: 3 OR 5

PREREQ: NONE

FEE: \$25.00

CONTENT: This is a very basic general art course. The students should develop aesthetically through appreciation and expression in areas such as drawing, design and painting. Fundamentals are stressed and many different media are experienced.

ART 20

CREDITS: 5

PREREQ: ART 10

FEE: \$25.00

CONTENT: Art 20 aims at further development of basic skills in drawing, painting, sculpture, and environmental design together with art history related to each area. This will involve at least one individual project where the student makes an in-depth study in his favorite art field. Emphasis will be placed on allowing the student to assess his true interest and potential in a variety of art media.

ART 30

CREDITS: 5

PREREQ: ART 20

FEE: \$25.00

CONTENT: Art 30 is an in-depth study of various art activities in drawing, painting, print-making and/or sculpture. Students should develop ability in assessing the work of others, self-evaluation, and personal interpretation. The student, in consultation with the teacher, plans his/her program.

CERAMICS AND SCULPTURE 15

CREDITS: 3 OR 5

PREREQ: NONE

FEE: Due to the nature of the course, students may be charged approximately \$40.00-\$65.00 to cover the material costs for their projects.

CONTENT: This sculpture course will provide experience in modeling, casting, relief sculpting, carving, and constructing in various materials such as clay, wire, wood, paper, soapstone, plaster, etc. A major emphasis will be placed on painting techniques for ceramics and the use of different media.

CERAMICS AND SCULPTURE 25

CREDITS: 3 OR 5

PREREQ: MINIMUM 50% IN CERAMICS 15

FEE: Approximately \$40.00-\$65.00 to cover the material costs for their projects.

CONTENT: Students will produce more detailed sculpture projects. They will also explore other sculpture mediums as well as take on a larger role in the pouring and firing processes of ceramics. An emphasis is also placed upon the study of various sculptors, both past and present.

CERAMICS AND SCULPTURE 35

CREDITS: 3 OR 5

PREREQ: MINIMUM 50% IN CERAMICS 25

FEE: Approximately \$40.00-\$65.00 to cover the material costs for their projects.

CONTENT: This course focuses on advanced techniques and individual expressionism in sculpture projects.

CREATIVE ARTS 10

CREDITS: 3

PREREQ: NONE

FEE: Due to the nature of the course, students may be charged \$30.00-\$50.00 to cover material costs for their projects.

CONTENT: Creative Arts 10 is a study of crafts fabricated in textiles, metal, wood, paper, and synthetic materials. This course will provide a better understanding and appreciation of the crafted objects in our daily life and of the need for improved design in everyday articles. Students complete projects such as painting on glass, holiday decorations, wood carving, decoupage, jewelry making, greeting cards, fabric painting, ceramics etc.

DRAMA 10

CREDITS: 3

PREREQ: NONE

CONTENT: This course serves as an introduction to drama. Basic skills relating to mime, movement, stage fighting, improvisation, technical theatre, characterization and voice are the major areas of skill development. Most of the work is based on the student's ability to do improvisation rather than doing traditional scene work. Drama 10 is designed as a preparation course for Drama 20 and 30 and emphasizes the development of individual skills rather than performance skills.

DRAMA 20

CREDITS: 5

PREREQ: 50% MINIMUM IN DRAMA 10

CONTENT: This course focuses on the basic dramatic skills of speech, movement, improvisation, acting, technical design and theatre studies. These skills will be developed through the exploration of a variety of dramatic forms including collective, radio play, creative drama and film/video with an emphasis on public performances.

DRAMA 30

CREDITS: 5

PREREQ: 50% MINIMUM IN DRAMA 20

CONTENT: This course continues to develop the basic skills from Drama 20 and places further emphasis on playwriting and directing. Scripted material will be explored to provide the student opportunities to apply and extend skills and knowledge.

MUSIC

Students are encouraged to register in the S.C.H.S. music program. Various courses are offered which allow all students to explore and develop the talents that they all possess within. Music courses aid in developing self-confidence, leadership, creativity, communication. As well, music education provides an opportunity to bring art form to life; *to express, perform and create*. **Students successfully completing Instrumental Music 30, Choral Music 30, General Music 30 (guitar 5 credit), Vocal Jazz 35 and Instrumental Jazz 35 can use these course grades towards their Rutherford Scholarship, as well as part of their admission requirements towards many post-secondary courses of study. Please note only one 30 level fine arts course is allowed to be used towards entrance to most post-secondary institutions.**

**Students enrolled in instrumental music courses will be provided with a suitable quality band instrument.*

***Students enrolled in more than one course pay a maximum of \$120.00; students who bring their own instrument pay \$30.00.*

BEGINNING BAND 10 (INSTRUMENTAL)

CREDITS: 3

PREREQ: NONE

FEE: \$40.00

CONTENT: This course is designed to allow students who have never been in concert band to learn a concert band instrument with the goal of moving them into the 5 credit program if they choose. The majority of class time will be spent on learning to play the instruments and to begin reading music notation. Students who progress quickly will be asked to join music 10 in semester 2.

MUSIC 10 (INSTRUMENTAL CONCERT BAND)*

CREDITS: 5

PREREQ: THIS COURSE IS INTENDED FOR STUDENTS WHO COMPLETED GRADE 9 BAND WITH 50% IN JUNIOR HIGH SCHOOL OR FOR STUDENTS WHO HAVE STUDIED A BAND INSTRUMENT PRIVATELY FOR 2 YEARS MINIMUM.

FEE: \$60.00**

CONTENT: The primary focus of this course is for each student to develop his/her musical technique and ability. The majority of class time is spent developing skills through band rehearsal however some time may be spent in small ensembles. Music theory is also explored covering topics such as theoretical rudiments of music and music appreciation.

MUSIC 20 (INSTRUMENTAL CONCERT BAND)*

CREDITS: 5

PREREQ: 50% MINIMUM IN MUSIC 10 (INSTRUMENTAL) AND RECOMMENDATION FROM THE INSTRUCTOR

FEE: \$60.00**

CONTENT: In this second level of high school music, students will develop their music knowledge and instrumental technique to a higher level. More emphasis is placed on developing as a performer through solo and small ensemble repertoire.

MUSIC 30 (INSTRUMENTAL CONCERT BAND)*

CREDITS: 5

PREREQ: 50% MINIMUM IN MUSIC 20 (INSTRUMENTAL) AND RECOMMENDATION FROM THE INSTRUCTOR

FEE: \$60.00**

CONTENT: This is the senior level course in this program. Continued development of musical technique and ability are furthered, with more focus on leadership skills through conducting and leading small ensembles.

MUSIC 10 (CHORAL)

CREDITS: 5

PREREQ: NONE

FEE: \$25.00**

CONTENT: Various styles of vocal music will be explored so that students can develop correct vocal techniques and skills. This will be achieved through group rehearsals, small ensembles and solo work. Music theory is also explored covering topics such as theoretical rudiments of music and music appreciation.

MUSIC 20 (CHORAL)

CREDITS: 5

PREREQ: 50% MINIMUM IN MUSIC 10 (CHORAL) AND THE RECOMMENDATION FROM THE INSTRUCTOR

FEE: \$25.00**

CONTENT: Continued exploration of various styles of vocal music so that students can develop correct vocal techniques and skills. Focus will be placed on small ensembles and solo work.

MUSIC 30 (CHORAL)

CREDITS: 5

PREREQ: 50% MINIMUM IN MUSIC 20 (CHORAL) AND THE RECOMMENDATION FROM THE INSTRUCTOR

FEE: \$25.00**

CONTENT: This level of choral music will give the student opportunity to further develop their vocal range and ability. More emphasis will be placed on solo performance and individual development.

GENERAL MUSIC 10 (GUITAR)

CREDITS: 3

PREREQ: NONE

FEE: \$25.00**

CONTENT: Through the use of individual performance based courses the focus of this course will be on basic guitar performance techniques. The students will be taught note reading, basic and intermediate guitar chords, and basic music theory. Previous experience not required. Students are required to provide their own **acoustic** guitar.

GENERAL MUSIC 20 (GUITAR)

CREDITS: 3

PREREQ: 50% MINIMUM IN GUITAR 10 AND THE RECOMMENDATION FROM THE INSTRUCTOR

FEE: \$25.00**

CONTENT: The focus of this program will be on guitar performance techniques at the intermediate level. Through various performance courses and group situations students will be taught note reading, guitar chords, music theory and small ensemble performance. Students are required to provide their own **acoustic** guitar.

GENERAL MUSIC 30 (GUITAR)

CREDITS: 3 OR 5

PREREQ: 50% MINIMUM IN GUITAR 20 AND THE RECOMMENDATION FROM THE INSTRUCTOR

FEE: \$25.00**

CONTENT: The focus will be on guitar performance at the advanced level. Technique, solo performance and group situations will be the focus. Students are required to provide their own **acoustic** guitar. The 5 credit program will allow those students who choose it to receive a 30 level 5 credit fine arts credit which can be used for the Rutherford Scholarship as well as entrance in to many post secondary fields of study.

GENERAL MUSIC 10 (JAZZ STUDIES)

CREDITS: 3

PREREQ: PREVIOUS PRIVATE VOCAL OR INSTRUMENTAL STUDY (3 YEARS), 50% IN GRADE 9 BAND

FEE: \$25.00**

CONTENT: This course explores the various styles of jazz, including a study of its origins. With the emphasis on researching, creating and performing jazz music, students will be given the opportunity to listen and analyze jazz music from various eras, as well as study the art of improvisation.

GENERAL MUSIC 20 (JAZZ STUDIES) AND THE RECOMMENDATION FROM THE INSTRUCTOR

CREDITS: 3

PREREQ: 50% MINIMUM IN JAZZ STUDIES 10

FEE: \$60.00**

CONTENT: In this second level Jazz Studies, students will focus on the jazz combo. The students will form their own groups and then arrange, perform, and compose songs for the small jazz combo.

GENERAL MUSIC 30 (JAZZ STUDIES) AND THE RECOMMENDATION FROM THE INSTRUCTOR

CREDITS: 3

PREREQ: 50% MINIMUM IN JAZZ STUDIES 20

FEE: \$60.00**

CONTENT: In this third level of Jazz Studies, students will focus on composition and solo performance. The students will compose, arrange, and perform their own songs with a small jazz ensemble.

INSTRUMENTAL JAZZ 15 (JAZZ BAND) MONDAY & TUESDAY - 3:30-5:00 PM

CREDITS: 5

PREREQ: 50% MINIMUM IN GRADE 9 BAND

FEE: \$60.00**

CONTENT: The focus of this program will be the performance-based study of big band music. Students will participate in several concerts and events. Elements such as improvisation will be explored.

INSTRUMENTAL JAZZ 25 (JAZZ BAND) MONDAY & TUESDAY - 3:30-5:00 PM

CREDITS: 5

PREREQ: 50% MINIMUM IN INSTRUMENTAL MUSIC 10, JAZZ STUDIES 10 OR INSTRUMENTAL JAZZ 15 AND THE RECOMMENDATION FROM THE INSTRUCTOR

FEE: \$60.00**

CONTENT: This is the second level of instrumental jazz. Continued development of musical skills and ability will be furthered with focus on leadership skills.

INSTRUMENTAL JAZZ 35 (JAZZ BAND) MONDAY & TUESDAY - 3:30-5:00 PM

CREDITS: 5

PREREQ: 50% MINIMUM IN INSTRUMENTAL MUSIC 20, JAZZ STUDIES 20 OR INSTRUMENTAL JAZZ 25 AND THE RECOMMENDATION FROM THE INSTRUCTOR

FEE: \$60.00**

CONTENT: This is the senior level course in the program. Continued development of musical technique and ability are furthered with the main focus on leadership within the ensemble.

VOCAL JAZZ 15 (MONDAY, WEDNESDAY, THURSDAY - LUNCH HOUR)

CREDITS: 5

PREREQ: AUDITIONED ENTRANCE REQUIREMENT

FEE: \$25.00**

CONTENT: This is a performance based vocal ensemble focusing on challenging vocal repertoire from all styles. Skills will be developed through rehearsals, public performances and other events.

VOCAL JAZZ 25 (MONDAY, WEDNESDAY, THURSDAY - LUNCH HOUR)

CREDITS: 5

PREREQ: AUDITIONED ENTRANCE REQUIREMENT AND 50% IN VOCAL JAZZ 15

FEE: \$25.00**

CONTENT: This is the second level of the above course. More focus will be put on leadership within the ensemble.

VOCAL JAZZ 35 (MONDAY, WEDNESDAY, THURSDAY - LUNCH HOUR)

CREDITS: 5

PREREQ: AUDITIONED ENTRANCE REQUIREMENT AND 50% IN VOCAL JAZZ 25

FEE: \$25.00**

CONTENT: This is a performance based vocal ensemble focusing on challenging vocal repertoire from all styles. Skills will be developed through rehearsals, public performances and other events.

MATHEMATICS

COURSE SEQUENCES

To address the diverse needs, abilities and interests of students, the senior high mathematics program is composed of three sequences. Each of the sequences has the development of mathematical literacy as a primary goal and presents curricular content within a problem-solving context.

Mathematics 14/24

This sequence of courses is designed for that group of students whose needs, interests and abilities focus on basic mathematical understanding. Topics will be dealt with using a thematic approach, and applications will be a priority. Some topics from junior high mathematics will be covered in Mathematics 14 to improve the skill level of students who may wish to transfer to the Applied Mathematics 10/20/30 sequence. Upon successful completion of Mathematics 24, students will have fulfilled the mathematics components for qualification for the Alberta High School Diploma.

Pure Mathematics 10/20/30

This sequence of courses is designed for students intending to pursue post-secondary studies at university or in a mathematics-intensive program at a technical school or college. Pure Mathematics 10/20/30 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.

Applied Mathematics 10/20/30

This sequence of courses is designed for students that do not intend to pursue post-secondary studies in mathematics but still need math courses to prepare them for entry to college, technical school, trades and employment. Applied Math courses cover many of the same topics as the Pure Math stream but in different ways involving technology.

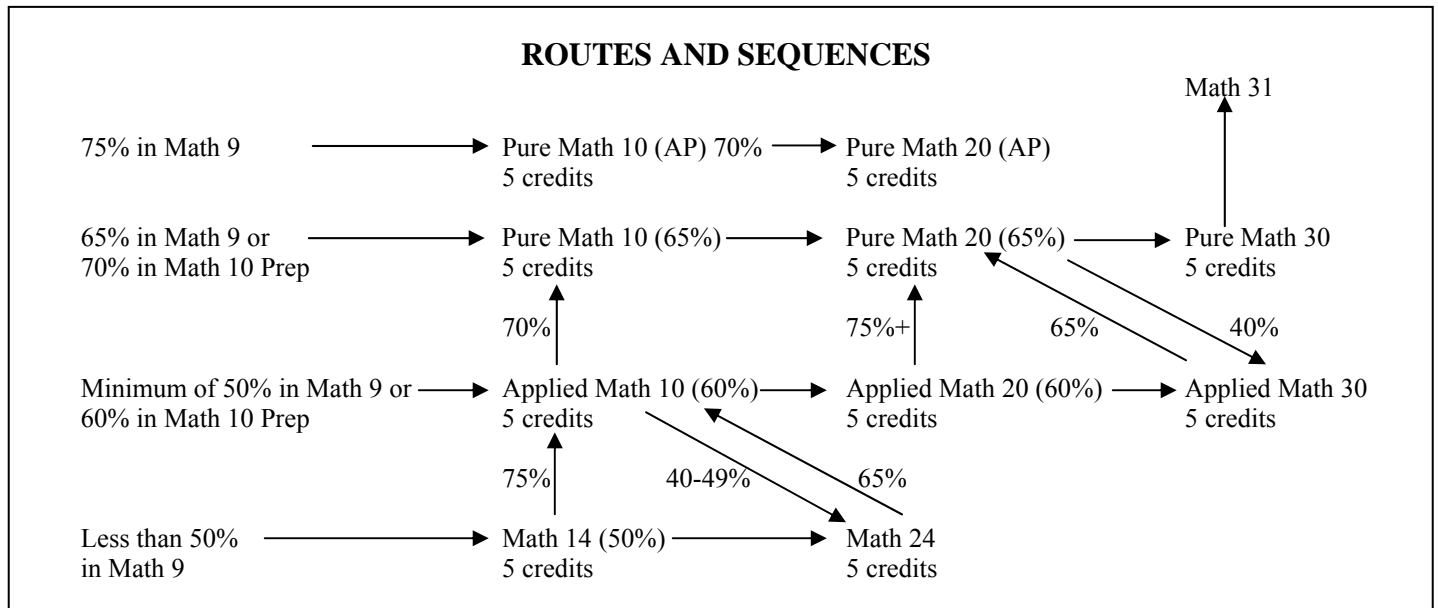
Mathematics 31

This course is designed for highly motivated, academic students who wish to pursue a first course in calculus. Pure Mathematics 30 must be taken as a pre- or a co-requisite course.

NOTE: STUDENTS IN PURE OR APPLIED MATH SHOULD PURCHASE A GRAPHING CALCULATOR. PLEASE CHECK THE SUPPLY LIST ON PAGE 8 FOR THE RECOMMENDED BRAND AND MODEL PRIOR TO PURCHASING.

ROUTES AND PREREQUISITES

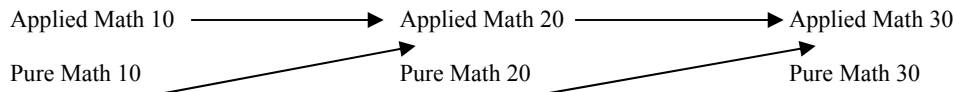
The following flow chart illustrates the recommended prerequisite structure of the Mathematics program offered at Sturgeon Composite High School.



Transfer Points for Senior High Mathematics

Pure Mathematics to Applied Mathematics

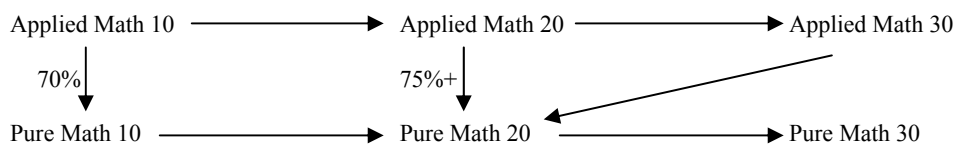
Students who complete Pure Mathematics can transfer to the Applied Mathematics program sequence at the next level. For example, students who pass Pure Mathematics 10 can transfer to Applied Mathematics 20. Students who pass Pure Mathematics 20 can transfer to Applied Mathematics 30.



Students who have failed Pure Math 10 can either repeat Pure Math 10 or transfer to Applied Math 20 (minimum of 40% in Pure Math 10). Students who have failed Pure Math 20 can either repeat Pure Math 20 or transfer to Applied Math 30 (minimum of 40% in Pure Math 20).

Applied Mathematics to Pure Mathematics

Students who complete Applied Mathematics can only make lateral moves into the Pure Mathematics program and students who pass Applied Mathematics 20 may transfer to Pure Mathematics 20 (the student needs to have a mark of 75% or better). Students who complete Applied Mathematics 30 and wish to enter the Pure Mathematics program sequence must first pass Pure Mathematics 20 as this is the prerequisite for Pure Mathematics 30.



Students who have failed Applied Mathematics 10 can repeat Applied Mathematics 10, transfer to Pure Mathematics 10 or complete Mathematics 24 and be granted retroactive credits for Mathematics 14 upon successful completion of Mathematics 24.

Students who have failed Applied Mathematics 20 can either repeat Applied Mathematics 20 or transfer to Mathematics 24.

NOTE: STUDENTS MUST HAVE A GRADE 11 MATH COURSE TO MEET THE CREDIT REQUIREMENTS FOR MATHEMATICS.

PURE MATHEMATICS 10 AP

CREDITS: 5

PREREQ: MINIMUM 75% IN MATH 9, A STRONG INTEREST IN MATH AND A COMMITMENT TO ACADEMIC EXCELLENCE.

CONTENT: Pure Mathematics 10 AP includes the content of Pure Math 10, and the first unit of Pure Math 20 (Systems of Equations and Inequalities). The course also goes into more detail in certain areas.

PURE MATHEMATICS 20 AP NEW

CREDITS: 5

PREREQ: MINIMUM 70% IN PURE MATH 10 AP

CONTENT: Pure Mathematics 20 AP includes the content of Pure Math 20, and the first unit of Pure Math 30 (Transformations). The course also goes into more detail in certain areas.

PURE MATHEMATICS 10

CREDITS: 5

PREREQ: MINIMUM 65% IN MATH 9 OR 70% IN MATH 10 PREP OR 70% IN APPLIED MATH 10

CONTENT: Pure Mathematics 10 consists of the following topics: number systems, number patterns, polynomials and factoring, rational expressions and equations, relations and functions, coordinate geometry, trigonometry, measurement and statistics.

PURE MATHEMATICS 20

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF PURE MATH 10 (65% RECOMMENDED) OR 75% IN APPLIED MATH 20

CONTENT: Pure Mathematics 20 consists of the following topics: systems of equations, linear inequalities, quadratic functions, quadratic and polynomial equations, functions, reasoning, circle geometry, coordinate geometry, trigonometry and personal finance.

PURE MATHEMATICS 30

CREDITS: 5

PREREQ: PURE MATHEMATICS 20 (65% RECOMMENDED)

CONTENT: Pure Math 30 topics include: transformations, conics, exponents and logarithms, trigonometric functions, sequences and series, permutations, combinations and statistics.

MATHEMATICS 31

CREDITS: 5

PREREQ: PURE MATHEMATICS 30. Students will be permitted to take Pure Mathematics 30 and Mathematics 31 concurrently. Students are encouraged to register in Pure Mathematics 30 in the first semester and Mathematics 31 in the second semester.

CONTENT: Mathematics 31 topics include: precalculus and limits, derivatives and derivative theorems, applications of derivatives, integrals, integral theorems and integral applications and elective component.

APPLIED MATHEMATICS 10

CREDITS: 5

PREREQ: MINIMUM 50% IN MATH 9 or 60% IN MATH 10 PREP OR 75% IN MATH 14 OR 65% IN MATH 24

CONTENT: Applied Math 10 topics include: measurement, number patterns in tables, relations and functions, line segments, linear functions, and trigonometry.

APPLIED MATHEMATICS 20

CREDITS: 5

PREREQ: MINIMUM 60% IN APPLIED MATH 10 OR MINIMUM 40% IN PURE MATH 10.

CONTENT: Applied Mathematics 20 consists of the following topics: graphing, nonlinear equations, linear systems, linear programming, circle geometry, finance and measurement.

APPLIED MATHEMATICS 30

CREDITS: 5

PREREQ: APPLIED MATH 20 (60% RECOMMENDED) OR PURE MATH 20 (MINIMUM 40%).

CONTENT: Applied Mathematics 30 consists of the following topics: Matrices and Pathways, Finance and Spreadsheets, Statistics and Probability, Vectors, Cyclic, Recursive and Fractal Patterns and Design.

MATHEMATICS 14

CREDITS: 5

PREREQ: NONE

CONTENT: Mathematics 14 consists of the following topics: number concepts, number operations, patterns, variables and equations, measurement and data analysis.

MATHEMATICS 24

CREDITS: 5

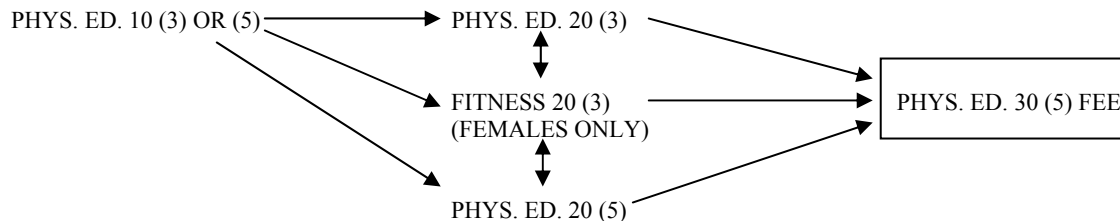
PREREQ: 50% MINIMUM IN MATHEMATICS 14 OR 50% IN MATH 10 PREP OR 40% MINIMUM IN APPLIED MATH 10

CONTENT: Mathematics 24 consists of the following topics: number operations, measurement, 3D objects and 2D shapes, data analysis, map reading, finances and design.

PHYSICAL EDUCATION

STUDENTS MUST BE PREPARED TO ACTIVELY PARTICIPATE IN ALL ACTIVITIES. ACCEPTABLE GYMNASIUM DRESS IS A COMPLETE CHANGE OF CLOTHING FROM THOSE WORN TO THE CLASSROOM. THIS INCLUDES RUNNING SHOES AND SOCKS, SHORTS OR SWEATS AND T-SHIRT OR SWEAT SHIRT. SHOWER FACILITIES ARE AVAILABLE IN THE LOCKER ROOMS.

ROUTES AND SEQUENCES



NOTE: DUE TO THE NATURE OF PHYSICAL EDUCATION 20 AND 30, THERE WILL BE LIMITED ENROLMENTS IN THESE CLASSES. IF THERE ARE TOO MANY STUDENTS IN ANY SECTION, SUCCESSFUL STUDENTS WILL BE CHOSEN ON THEIR PAST PERFORMANCE (MARKS AND ATTITUDE).

PHYSICAL EDUCATION 10

CREDITS: 3 OR 5

PREREQ: MINIMUM 65% IN PHYSICAL EDUCATION 9 FOR THE 5 CREDIT PHYSICAL EDUCATION 10 COURSE

CONTENT: The emphasis in this course is to expose students to a wide variety of sports at an intermediate level. Activities will enable individuals to develop the knowledge, skills and attitude necessary to lead an active, healthy lifestyle. Students will have the opportunity to increase their fitness through participation in the following dimensions: games, dance, types of gymnastics, individual activities, and Alternative Environments. **Note: This course is required for a high school diploma.**

Students in both the 3 credit and 5 credit classes will be evaluated in the areas of participation, theory, fitness, skills, attitudes, and social skills.

Units in the 3 credit class will tend to be 4 or 5 days long whereas units in the 5 credit class will tend to be 8 or 9 days in duration. Due to the fact that similar material will be covered in both versions, students in the 3 credit class will have a reduced opportunity for tournament play after the skills have been taught.

PHYSICAL EDUCATION 20

CREDITS: 3 OR 5

PREREQ: MINIMUM 50% IN PHYSICAL EDUCATION 10

CONTENT: The emphasis in this course is to expose students to a wide variety of sports at an advanced level. Activities will enable individuals to develop the knowledge, skills and attitude necessary to lead an active, healthy lifestyle. Students will have the opportunity to increase their fitness through participation in the following dimensions: games, dance, types of gymnastics, individual activities, and Alternative Environments.

Students in both the 3 credit and 5 credit classes will be evaluated in the areas of theory, fitness, skills, attitudes, and social skills. Both the 3 credit and 5 credit classes will cover the same material, and be evaluated in the same manner; however, the 3 credit class will have fewer units, and therefore, less variety of activities.

FITNESS FOR LIFE 20

CREDITS: 3

PREREQ: MINIMUM 50% IN PHYSICAL EDUCATION 10

FEE: \$25.00

CONTENT: This is a course offered to Grade 11 and Grade 12 females interested in improving their overall fitness. An in-depth look at the four components of total fitness will lead to the development of a healthy lifestyle.

1. Cardiovascular Fitness - step aerobics, circuit training, cycling, aqua aerobics, karate, Tae Bo, inline skating, Fit Ball, etc.
2. Musculoskeletal Fitness - free weights, universal gym, tubing, calisthenics, flexibility, Fit Ball, Pilates, etc.
3. Nutritional Fitness - a look at proper nutrition for an active, healthy lifestyle.
4. Psychological Fitness - dealing with stress, sleep and self-concept through stretch and relaxation, yoga, etc.

NOTE: STUDENTS MAY TAKE FITNESS 20 TWICE AND RECEIVE CREDITS AT THE NEXT LEVEL.

This is a high energy, “SWEAT” course. A water bottle and a towel are a must! Students passing Fitness 20 may go on to Physical Education 30 without taking Physical Education 20.

PHYSICAL EDUCATION 30 (FEE)

CREDITS: 5

PREREQ: MINIMUM OF 50% IN PHYSICAL EDUCATION 20 OR FITNESS 20

FEE: \$150.00

CONTENT: Physical Education 30 (off-campus) is an advanced course with an emphasis on leisure time activities. Activities will enable individuals to develop the knowledge, skills and attitude necessary to lead an active, healthy lifestyle. Students will have the opportunity to increase their fitness through participation in the following dimensions: games, dance, types of gymnastics, individual activities, and Alternative Environments. (i.e. swimming, racquetball, golf, bowling, slowpitch, wall climbing, curling, scuba, etc.).

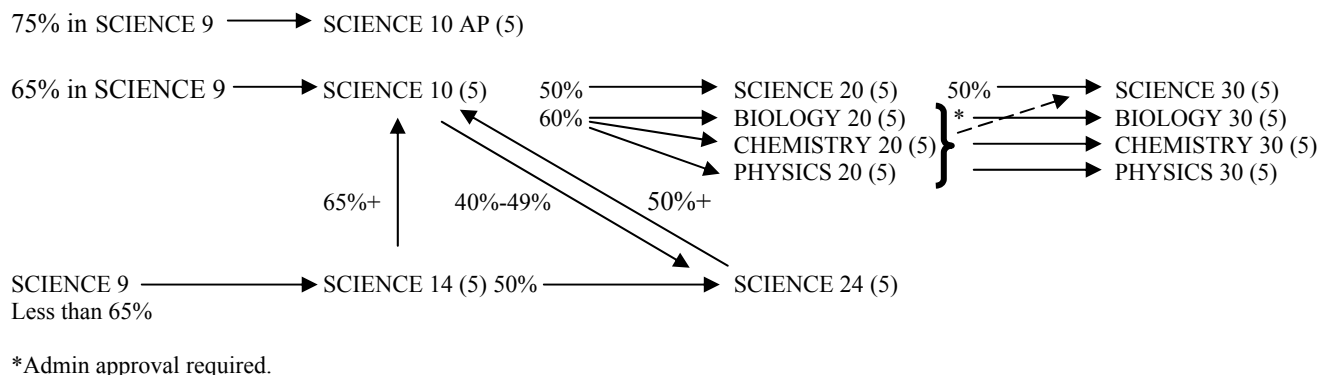
SCIENCE

ROUTES AND PREREQUISITES

Effective September 1, 2008, Biology 30, Physics 30 and Chemistry 30 will be implementing a new program of studies. The **NEW 30 level** science programs emphasize the development of positive attitudes that support the acquisition of skills and application of knowledge related to science and technology.

The following flow chart illustrates the recommended prerequisite structure of the science program offered at Sturgeon Composite High School.

ROUTES AND SEQUENCES



COURSE WEIGHTINGS

Students registering in the academic science program should be aware of the term mark and final exam course weightings used in arriving at final course marks. In Science 10, the term mark is weighted at 70% and the final exam at 30%. In the 20-level sciences, the term mark is weighted at 60% and the final exam at 40%. The 30-level sciences have a term mark or school awarded mark weighting of 50% and the Diploma examination weighting of 50%.

SCIENCE 10 AP

CREDITS: 5

PREREQ: 75% IN GRADE 9 SCIENCE AND A STRONG INTEREST AND A COMMITMENT TO ACADEMIC EXCELLENCE.

CONTENT: Science 10 AP includes the content of Science 10 and additional material to prepare students for the 20 level science courses.

SCIENCE 10

CREDITS: 5

PREREQ: MINIMUM 65% IN GRADE 9 SCIENCE OR MINIMUM 65% IN SCIENCE 14 OR MINIMUM OF 50% IN SCIENCE 24. IT IS RECOMMENDED THAT STUDENTS TAKING THIS COURSE HAVE 65% IN MATH 9.

CONTENT: Science 10 is divided into four units of study with one of the following areas of emphasis identified for each unit: *Nature of Science*, *Science and Technology*, and *Social and Environmental Contexts*. Unit A: Energy and Matter in Chemical Change focuses on the structure of matter and basic chemical species in understanding chemical change. Unit B: Energy Flow in Technological Systems examines the laws of thermodynamics in the development of modern and efficient energy conversion devices. Unit C: Cycling of Matter in Living Systems concentrates on the cell as the fundamental unit of life and an example of an efficient open system. Unit D: Energy Flow in Global Systems studies the connections between solar energy and global climate systems and investigates the relationship between human activity and climate change.

SCIENCE 20

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF SCIENCE 10

CONTENT: Science 20 consists of 4 units of which change is a common theme. Unit A - **Chemical Changes** focuses on chemical energy change principles and its application in industry; Unit B - **Changes in Motion** focuses on understanding the effects of force on motion, and the investigation of mathematical principles involved; Unit C - **Changing Earth** focuses on geological evidence used to study the patterns of change in the biosphere over earth's history; Unit D - **Changes in Living Systems** focuses on the flow of matter in biogeochemical cycles, the flow of energy through trophic levels, and the prediction of environment change.

SCIENCE 30

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF SCIENCE 20 (60% RECOMMENDED)

CONTENT: Science 30 consists of 4 units of which scientific principles, technology, and societal issues are common themes. Unit A - **Living Systems** focuses on the response to the environment of living systems through the study of the mechanisms of homeostasis and genetics; Unit B - **Chemistry and the Environment** focuses on the properties of solutions, acids and bases, and selected organic compounds; Unit C - **Electromagnetic Energy** focuses energy transmissions by means of electromagnetic waves; Unit D - **Energy and the Environment** focuses on the wide range of renewable and non-renewable energy resources to provide for ongoing energy needs.

BIOLOGY 20

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF SCIENCE 10 (60% RECOMMENDED) WITH A 60% MARK IN BIOLOGY UNIT

CONTENT: There are four units of studies in the new program: Unit A – *Energy and Matter Exchange in the Biosphere* focuses on biogeochemical cycles and energy transfer in the biosphere; Unit B – *Ecosystems and Population Change* focuses on a range of ecosystems and population change through natural selection; Unit C – *Photosynthesis and Cellular Respiration* focuses on metabolic processes and energy transformations in photosynthesis and cell respiration; Unit D – *Human Systems* focuses on metabolic equilibrium, energy and matter exchange, and defense mechanisms in the human body.

BIOLOGY 30 (NEW)

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF BIOLOGY 20 (60% RECOMMENDED)

CONTENT: The focus in Biology 30 is on understanding the biological principles behind the natural events that occur in the human body; and the human species as a biological entity as well as a cultural one with its associated technologies and societal values. Unit A: *The Nervous System and Endocrine System*; Unit B: *Reproduction and Development*; Unit C: *Cell Division, Genetics, and Molecular Biology*; Unit D: *Population and Community Dynamics*.

CHEMISTRY 20

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF SCIENCE 10 (RECOMMENDED: 60% IN SCIENCE 10 AND PURE MATH 10) WITH A 60% MARK IN THE CHEMISTRY UNIT

CONTENT: There are four main units in the new program: Unit A – *Diversity and Matter* which focuses on theories about bonding to the properties of matter, and develops explanations and descriptions of structure and bonding using scientific models; Unit B – *Forms of Matter: Gases* which focuses on matter, change and energy, and the explanation of molecular behavior using the models of the gaseous state of matter; Unit C – *Matter as Solutions, Acids, and Bases* which focuses on the nature of matter through an investigation of change in the context of solutions, acids, and bases; Unit D – *Quantitative Relationships in Chemical Changes* which focuses on stoichiometric principles and mathematical manipulation to predict quantities of substance consumed or produced in chemical reactions.

CHEMISTRY 30 (NEW)

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF CHEMISTRY 20 (RECOMMENDED: 60% IN CHEMISTRY 20 AND PURE MATH 20)

CONTENT: Chemistry 30 studies the interrelationships of equilibrium, energy, and changes affecting matter within a system. These concepts are covered in four major units: Unit A: *Thermochemical Changes*; Unit B: *Electrochemical Changes*; Unit C: *Chemical Changes of Organic Compounds*; Unit D: *Chemical Equilibrium Focusing on Acid-Base Systems*. Theoretical applications, problem solving, as well as laboratory work are integral parts of this course. It is recommended that students taking this course have an average or above average skill in mathematics.

PHYSICS 20

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF SCIENCE 10 (RECOMMENDED: 60% IN SCIENCE 10 AND PURE MATH 10) WITH A 60% MARK IN THE PHYSICS UNIT

CONTENT: Physics 20, which consists of four major units, is an experimental and mathematical study of energy and its ability to change matter. Unit A, *Kinematics*, examines the change in position and velocity for objects that undergo uniform motion and acceleration. Unit B, *Dynamics*, examines the cause of motion and introduces gravitation. Unit C, *Circular Motion, Work and Energy*, focuses on the study of uniform motion of objects in circular paths and energy transformations. Unit D, *Oscillatory Motion and Mechanical Waves*, devotes a study to simple harmonic motion and the properties of mechanical waves.

PHYSICS 30 (NEW)

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF PHYSICS 20 (RECOMMENDED: 60% IN PHYSICS 20 AND PURE MATH 20)

CONTENT: Physics 30, which consists of four major units, is an experimental and mathematical study of energy and its ability to change matter. Unit A, *Momentum and Impulse*, examines the further application of Newton's Second Law in collisions of masses. Unit B, *Forces and Fields*, examines electric and magnetic forces and fields and their applications in technological devices. Unit C, *Electromagnetic Radiation*, focuses a study of the nature and characteristics of electromagnetic radiation using the wave and photon models for light. Unit D, *Atomic Physics*, devotes a study to the development and modification of models of the structure of matter.

GENERAL SCIENCES

SCIENCE 14

CREDITS: 5

PREREQ: NONE

CONTENT: Science 14 is designed to partially fulfill the science credit requirement to graduate with an Alberta High School Diploma. The course is composed of four units: A) *Investigating Properties of Matter*; B) *Understanding Energy Transfer Technology*; C) *Investigating Matter and Energy in Living Systems*; D) *Investigating Matter and Energy in the Environment*.

SCIENCE 24

CREDITS: 5

PREREQ: SUCCESSFUL COMPLETION OF SCIENCE 14 OR 40% IN SCIENCE 10

CONTENT: Science 24 is designed to complete the science credit requirement for graduation with an Alberta High School Diploma. The course is composed of four units: A) *Applications of Matter and Chemical Change*; B) *Understanding Common Energy Conservation Systems*; C) *Disease Defense and Human Health*; D) *Motion, Change and Transportation Safety*.

SECOND LANGUAGES

FRENCH

All Grade 9 students, from Sturgeon School Division feeder schools, wishing to take French courses at SCHS are required to complete a placement test at their school prior to registration. The placement test will be provided by SCHS, administered by the local junior high school, and will determine whether or not the student needs to take French 13 before proceeding to French 10.

FRENCH 13

CREDITS: 5

PREREQ: NONE

CONTENT: French 13 is for all students wishing exposure to a second language. Basic communication skills are acquired through a variety of learning activities. A better awareness of the language, an appreciation of those who use the language and the satisfaction of being able to start expressing oneself in a new language are also benefits of the course. French 13 is intended for those students who want to take French 10 but have not completed Junior High French.

FRENCH 10

CREDITS: 5

PREREQ: 65% MINIMUM IN GRADE 9 FRENCH OR SUCCESSFUL COMPLETION OF PLACEMENT EXAM (Available at Junior High Schools) OR 50% MINIMUM IN FRENCH 13

CONTENT: Designed for students wishing further exposure to a second language, French 10 expands the student's basic knowledge through listening, speaking, reading and writing activities.

FRENCH 20

CREDITS: 5

PREREQ: 50% MINIMUM IN FRENCH 10

CONTENT: Further emphasis is placed on the four skills (speaking, listening, reading and writing) through thematic units of study.

FRENCH 30

CREDITS: 5

PREREQ: 50% MINIMUM IN FRENCH 20

CONTENT: This is the highest level of French taught at Sturgeon Composite High School. There is a continued emphasis on reading, writing, speaking and listening skills through thematic units. Upon successfully completing this course, students will have a good command of French, an excellent understanding of how the language works, and a solid foundation for post-secondary French studies.

GERMAN 10

CREDITS: 5

PREREQ: NONE

CONTENT: This is a beginner's course. It is an audio-lingual course with initial stress on listening, speaking, and basic grammar concepts, accompanied by reading and writing. Dialogues and situations are based on the everyday activities of German youth. The textbook is complemented with new and innovative CD Roms, language disks and videos.

GERMAN 20

CREDITS: 5

PREREQ: 50% MINIMUM IN GERMAN 10

CONTENT: This course continues the basic skills of speaking, reading and writing. A broader examination of the language structure is undertaken. A youth-oriented cultural component is continued. The textbook is complemented with new and innovative CD Roms, language disks and videos.

GERMAN 30

CREDITS: 5

PREREQ: 50% MINIMUM IN GERMAN 20

CONTENT: Competence in speaking, reading, and writing is the aim of this course. This course is required for those who wish to pursue German at a post-secondary level. There is also a strong focus on German culture and geography. The textbook is complemented with new and innovative CD Roms, language disks and videos. This course is the equivalent of German 100 at the University of Alberta, and will enable students to speak German while traveling in German speaking countries.

SPANISH 10

CREDITS: 5

PREREQ: NONE

CONTENT: Spanish 10 is a beginner course in which all four language skills (speaking, listening, reading and writing) are equally emphasized through the study of thematic units. Grammar, culture and language acquisition skills will be developed to provide the student with a solid foundation in Spanish.

SPANISH 20

CREDITS: 5

PREREQ: 50% MINIMUM IN SPANISH 10

CONTENT: Spanish 20 is a continuation of the development of speaking, reading, writing and listening skills through thematic units. Students gain insight into how the language works as grammar and language acquisition skills become more advanced. Awareness of Hispanic cultures is also developed.

SPANISH 30

CREDITS: 5

PREREQ: 50% MINIMUM IN SPANISH 20

CONTENT: Spanish 30 students will continue to acquire proficiency in the four language skills through thematic units. By the end of this course, students will have studied most of the grammatical content featured in Spanish 100 at the University of Alberta, and will possess a verbal command strong enough to use while traveling in Spanish speaking countries.

SOCIAL STUDIES

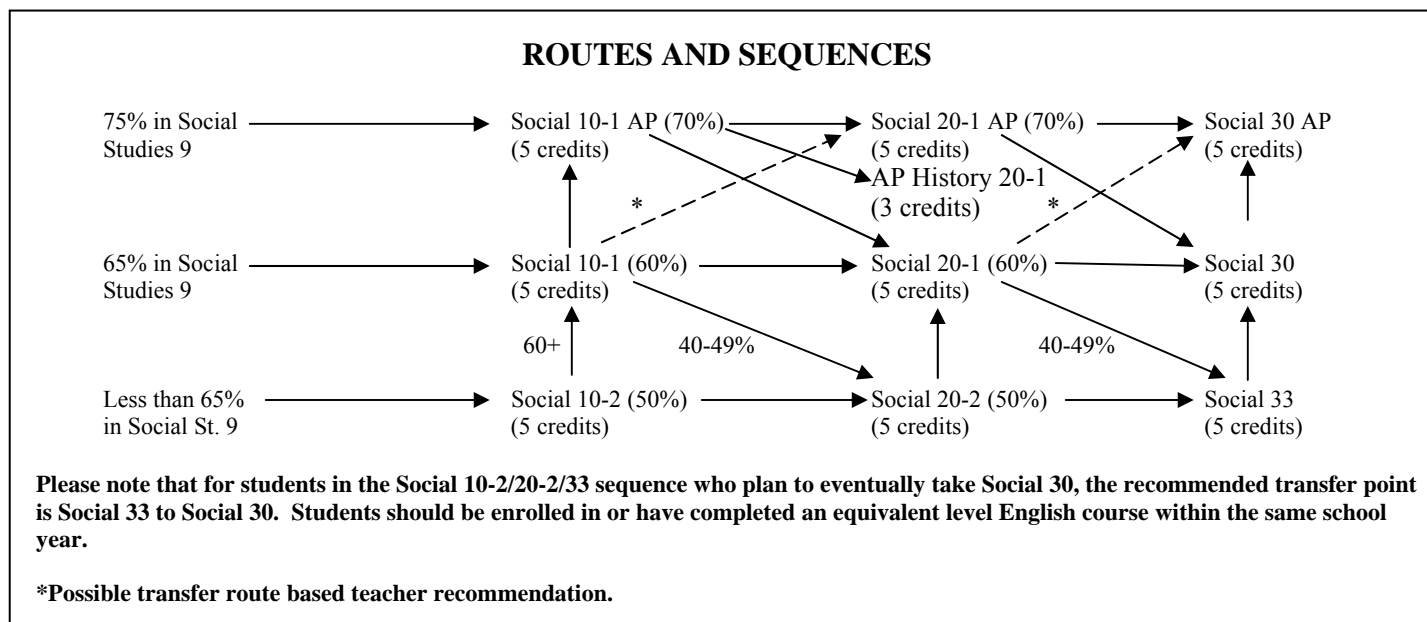
To meet minimum graduation requirements, students must earn fifteen (15) credits in Social Studies, including a grade 12 level Social Studies course.

The major distinctions between the Social Studies 10-2/20-2/33 courses and the 10-1/20-1/30 courses will be in the areas of organization for instruction, instructional methodology, resources, evaluation strategies and the utilization of the elective portion of the course.

The 10-2/20-2/33 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. It should be noted that the proposals do not include the Social Sciences as replacement courses or credits for Social Studies.

ROUTES AND PREREQUISITES

The following flow chart illustrates the recommended prerequisite structure of the Social Studies program offered at Sturgeon Composite High School.



SOCIAL STUDIES 10-1 AP

CREDITS: 5

PREREQ: 75% IN SOCIAL 9

CONTENT: Enrichment includes learning to respond to Document Based Questions (DBQs), an important tool in the AP program. Students will complete three DBQ assignments during the semester. Additionally, they will be given in-depth historical case studies appropriate to the AP program requirements. This will allow preparation for Grade 11 AP, which includes a three credit European History course in addition to the Social 20-1 AP 5 credit course.

SOCIAL STUDIES 20-1 AP

CREDITS: 5

PREREQ: 70% IN SOCIAL STUDIES 10-1 AP OR TEACHER'S RECOMMENDATION FROM SOCIAL STUDIES 10-1 (75%)

CONTENT: This course is the same in content as Social Studies 20-1, but will be enriched with AP focus, using DBQs, Free Response Questions, and AP Multiple Choice Questions. This is ultimately in preparation for writing the AP Exam in the first week of May in the student's Grade 12 year.

AP HISTORY 20-1

CREDITS: 3

PREREQ: 70% in Social 10-1 AP or recommendation of teacher in Social Studies 10-1 (75%). This is also a stand-alone course, which students may take for personal interest or enrichment.

CONTENT: Students complete a survey of European History from the Renaissance to the Enlightenment. Topics covered include the Renaissance and its Art, the Protestant Reformation of the Catholic Church, the Rise of Monarchies from Henry VIII in England to Philip II in Spain, the Age of Exploration beginning with Columbus 1492, ending with the Age of Baroque. Students become well versed in understanding art as a tool of history, and learn to look at events from various perspectives using DBQs, literature, movies and debates. **This course is mandatory for anyone wanting to write the AP exam in May of their Grade 12 year.**

SOCIAL STUDIES 30 AP

CREDITS: 5

PREREQ: 70% IN SOCIAL STUDIES 20-1 AP OR TEACHER'S RECOMMENDATION IN SOCIAL STUDIES 20-1 (75%)

CONTENT: This course is the same in content as Social Studies 30 but similar to Social Studies 20-1 AP in that it will use DBQs, Free Response Questions, and enrichment activities. This course prepares students to write the AP exam in May of Grade 12. It serves as excellent enrichment for Social 30 students, prior to writing the June Diploma Exam. Students who receive a qualifying mark on the AP exam may use European History for their Option A admission requirement, if higher than their Social 30 grade.

NOTE: ALL AP STUDENTS WILL WRITE THE COMMON SOCIAL 10-1/20-1 FINAL EXAMS AND THE ALBERTA EDUCATION SOCIAL STUDIES 30 DIPLOMA EXAM. WRITING THE AP FINAL IS VOLUNTARY, AND IS WRITTEN UPON THE APPROVAL OF THE TEACHER.

SOCIAL STUDIES 10-1

CREDITS: 5

PREREQ: 65% MINIMUM IN SOCIAL STUDIES 9 OR SOCIAL STUDIES 10-2

CONTENT: Students will explore multiple perspectives on the origins of globalization and the local, national and international impacts of globalization on lands, cultures, economies, human rights and quality of life. Students will examine the relationships among globalization, citizenship and identity to enhance skills for citizenship in a globalizing world. The infusion of multiple perspectives will allow students to examine the effects of globalization on peoples in Canada and throughout the world, including the impact on Aboriginal and Francophone communities.

SOCIAL STUDIES 20-1

CREDITS: 5

PREREQ: MINIMUM 50% IN SOCIAL STUDIES 10-1 (60% RECOMMENDED)

CONTENT: Students will explore the complexities of nationalism in Canadian and international contexts. They will study the origins of nationalism and the influence of nationalism on regional, international and global relations. The infusion of multiple perspectives will allow students to develop understandings of nationalism and how nationalism contributes to the citizenship and identities of peoples in Canada.

SOCIAL STUDIES 30

CREDITS: 5

PREREQ: MINIMUM 50% IN SOCIAL STUDIES 20-1 OR SOCIAL STUDIES 33 (60% RECOMMENDED)

CONTENT: Social Studies 30 is designed for students interested in current world problems. The course focuses on the politics, economics, and conflicts of the 20th century. The student gains a better understanding of the world in which he/she lives. **It is recommended that students have at least the equivalent of English 20-1.**

SOCIAL STUDIES 10-2

CREDITS: 5

PREREQ: NONE

CONTENT: Students will explore historical aspects of globalization as well as the effects of globalization on lands, cultures, human rights and quality of life. Students will explore the relationships among globalization, citizenship and identity. The infusion of multiple perspectives will allow students to examine the effects of globalization on peoples in Canada and other locations, including the impact on Aboriginal and Francophone communities. Students will develop skills to respond to issues emerging in an increasingly globalized world.

SOCIAL STUDIES 20-2

CREDITS: 5

RETROACTIVE CREDIT POLICY: SEE PAGE 6

PREREQ: MINIMUM 40% IN SOCIAL STUDIES 10-1 OR 50% IN SOCIAL STUDIES 10-2

CONTENT: Students will examine historical and contemporary understandings of nationalism in Canada and the world. They will explore the origins of nationalism as well as the impacts of nationalism on individuals and communities in Canada and other locations. Examples of nationalism, ultranationalism, supranationalism and internationalism will be examined from multiple perspectives. Students will develop personal and civic responses to emergent issues related to nationalism.

SOCIAL STUDIES 33

CREDITS: 5

RETROACTIVE CREDIT POLICY: SEE PAGE 5

PREREQ: MINIMUM 40% IN SOCIAL STUDIES 20-1 OR 50% IN SOCIAL STUDIES 20-2

CONTENT: The course consists of two major units of study: Topic A - Political and Economic Systems and Topic B - Global Interaction in the Twentieth Century. Topic A focuses on the differences which exist in the way societies make decisions and satisfy their needs. Ideologies which reflect different degrees of freedom and control which are the foundation of these differences will be studied. Topic B deals with interactions among nations and groups seeking to promote and protect their own interests. An historical approach concerning wars, their causes and consequences, as well as, efforts at maintaining peace will be examined.

C.T.S.

(CAREER AND TECHNOLOGY STUDIES)

CAREER AND TECHNOLOGY (CTS) COURSE SELECTIONS

Career and Technology Studies is a program developed by Alberta Education encompassing Business Education, Home Economics, Industrial Arts, Practical Arts and Vocational courses. It is an important component of a broad, general education that helps students increase their confidence and allows flexibility in their timetables.

Although many students choose to enter the work force, many others continue their education when they leave high school. Career and Technology Studies helps students deal with the challenge of either of these choices. Sturgeon Composite High School is offering courses from the following strands this year:

Career Transitions (Yearbook)
Communication Technology
Construction Technology
Cosmetology Studies
Design Studies
Fabrication Studies
Fashion Studies
Foods
Information Processing
Legal Studies
Management, Marketing & Finance
Mechanics
Tourism & Transportation

Each strand is comprised of many one credit courses. Students may register in many strands for three or five credits. However, if they choose to work more quickly, they may complete more than three or five credits in a semester in many of the strands.

Career and Technology Studies Student Assessment Policy

CTS is a results-based curriculum with a 1 credit course structure. Most of our CTS courses are in groups of 3 or 5 credits. Each successfully completed course will earn one credit. Hence, students who successfully complete five CTS courses will earn five credits; students who fail one credit and pass the rest will earn four credits. It is also possible for students to earn more than the scheduled number of credits in each course. Students who successfully complete all the scheduled credits will have the opportunity to earn additional credits by completing more courses.

Unsuccessful Course Completions

Career and Technology Studies program focuses on what the student knows and is able to do. Students, parents, teachers and employers want to know what the student is capable of and how this knowledge and skills can be applied in future experiences. In CTS students are given the opportunity to develop positive work habits and attitudes and to take more responsibility for their learning.

CTS teachers evaluate students according to provincially authorized standards which describe specific qualities that must be demonstrated in students' work. Evaluation expectations are clearly explained to students at the beginning of each 1 credit course. Some students will require more time to learn a concept or a skill while others may take less time. Because marks in CTS are based on successfully completed courses, students who are not successful are given a choice of alternatives. The alternatives are the student:

1. is given the opportunity to complete or redo assignments to raise their grade.
2. does remedial study to raise the course exam grade.
3. completes additional assignments.
4. may concurrently do remedial work on this course and work on the next course with approval of the teacher or,
5. fails to do one of the above, resulting in no credit being awarded for that 1-credit course.

In CTS students are expected to assume responsibility for their learning. This responsibility includes completing all course assignments, practical assignments and exams. Students who are having problems fulfilling the course expectations should talk to their teacher. Every effort will be made to assist the student to learn at a rate that is appropriate to them. Teachers will provide individual assistance, as needed, to students who are experiencing difficulties.

CAREER TRANSITIONS (YEARBOOK) 10, 20, & 30 (AFTER SCHOOL)

CREDITS: 3

LEVEL: INTRODUCTORY, INTERMEDIATE & ADVANCED

PREREQ: NONE

CONTENT: This program will provide students with an opportunity to work on the school yearbook. There is a multitude of learning experiences that range from: writing articles, yearbook photographer, photography editor, layout editor, editor in chief, club reporter, sports reporter, data entry and graphic artist. The program is designed so that if it is taken over a series of years, the student will be able to experience all of the different available jobs and progress to a leadership position on the yearbook staff. This course is recommended for students with an interest in all aspects of print journalism.

COMMUNICATION TECHNOLOGY 10

CREDITS: 3

LEVEL: INTRODUCTORY

PREREQ: NONE

CONTENT: Students will be introduced to Communication Technology through projects including: Presentations, Photography, Print Media, and Audio/Video Media.

COM1030: Introductory Photography

Most homes in Canada have more than one camera. In the introductory course the student is introduced to conventional photography; including the operation of the camera, film processing, and darkroom procedures. Class work includes darkroom assignments.

COM1050: Printing 1

How are designs printed on posters and T-shirts? Screen-printing is the technique. Art and text for projects include hand cut and computer generated designs. The final project is a print on fabric.

COM1060: Audio / Video Production

Shoot a video. Students learn the operation of professional quality video cameras. They write scripts. They master our state of the art non-linear video editing suites. The videos that they create are proof of their understanding of the basics of audio / video.

COMMUNICATION TECHNOLOGY 20/30

CREDITS: 5

LEVEL: INTERMEDIATE-ADVANCED

PREREQ: COMMUNICATION TECHNOLOGY 10

CONTENT: This course is a continuation of the introductory level course. Each area includes more expanded study of the subject. A good understanding of the material covered in the introductory level course is very important as the assignments build on knowledge and skills in this course. The theory part of the course is incorporated with the lab assignment and covers five areas: black and white photography, offset lithography, screen-printing, animation and video.

COM1070: Animation 1

Using a scanner or a digital camera, together with a library of music and sound effects, the students create animated short segments. Techniques include cells, claymation and models. The final product is assembled using computers and video editing software.

COM1210: Digital Imaging 1

The use of computers to store, change and print photographs is an area of rapid change. We offer introductory instruction on the gathering and manipulation of images in the digital format. The equipment used includes a negative / slide scanner, a flat bed scanner and digital cameras.

COM2130: Special Effects Photography

In this course the image is first controlled by the manipulation of the camera controls. Depth of field and controlling blurring are two examples. Get the most from your camera. Once the negative is ready the darkroom operator can still cause considerable change to the print. Cropping, dodging, burning in and vignetting are covered in this course.

COM2060: Photographic Communication

Students expand photographic concepts using a variety of techniques to study composition.

COM2070: Printing Techniques 1

What do newspapers, magazines and books have in common? They are products designed on computers and printed on offset presses. The course includes practical application of desktop publishing software to create proofs, plates and camera-ready artwork. Also covered is the theory and operation of the offset duplicating press.

COM2080: Printing Applications 2

In this course you meet a variety of print customer needs through the design and production of business cards, multi-colour print jobs and multi-page projects. Skills to be learned include operating a paper cutter, paper drill, binding machine and engraver.

COM2090: Audio / Video 1

Shoot a video project. Students learn advanced operation of professional quality video cameras. They write more complex scripts. They master our state of the art non-linear broadcast quality video editing suites. The videos that they create are for use in the school and in the community.

COM2110: Animation 2

Using a scanner or a digital camera together with a library of music and sound effects the students create animated presentations. Techniques include cells, claymation and models. The final product is assembled using computers and video editing software. The projects are longer and more refined than the ones in the introductory course.

COM2210: Digital Imaging 2

Students use digital cameras and extend their knowledge of editing software, using advanced techniques to create composite images.

COM3070: Colour Photography

Shoot portraits in the school's studio and at home. Enlarge and process colour prints in the school's colour darkroom. Operate the colour print analyzer to find the correct colour balance to give your prints that professional look. Scan a colour negative and use Photoshop software to create new products. One of the most popular courses offered at the senior level.

COM3090: Printing Applications 2

In this course you meet a variety of print customer needs through the design and production of customer projects. Skills covered include planning a job, estimating cost, time and degree of difficulty. A mastery of the basics is necessary for success in this course as the student is expected to take the responsibility for the project as much as possible.

CONSTRUCTION TECHNOLOGY 10

CREDITS: 5

LEVEL: INTRODUCTORY/INTERMEDIATE

PREREQ: NONE

FEE: \$25.00

CONTENT: This course begins to teach the terminology, tools and processes common with the wood related trades. Students who complete this course will be able to safely use most hand and power tools related to wood and be able to design and build a variety of wood products. The emphasis for learning will be to learn practical skills in the shop. The ratio of class to shop will be about 1/3 to 2/3. **Note: Safety glasses, tape measure, ring binder and a pencil are required on the first day of classes.** The following topics will be covered during this course:

CON1010: Basic Tools and Materials (NOTE: THIS IS THE PREREQUISITE FOR EVERY OTHER COURSE FOR THIS STRAND.)

Students develop basic hand tool and production skills to transform safely common materials into useful products.

CON1070:

CON1130: Solid Stock Construction

Students will use build-up stock to construct a piece of furniture with regular and irregular shapes.

CON1160: Manufactured Materials

Students will select and use the appropriate materials to construct a product or structure.

CON1120: Project Management

Students develop basic shop drawing and estimating skills, and apply them to build a product.

Depending on the complexity of the project chosen to apply the theory and process in the preceding courses, students could do more than one project.

CONSTRUCTION TECHNOLOGY 20

CREDITS: 10

LEVEL: INTERMEDIATE

FEE: \$55.00

PREREQ: MINIMUM 50% IN CONSTRUCTION TECHNOLOGIES 10 (5 CREDITS)

CONTENT: This course runs for 2 - 80 minute blocks. 1/3 of the course is used for the theory and 2/3 is used to give practice applying that theory. Students will be doing some customer orders in order practice some of the theory topics.

Cabinetmaking and furniture making are explored in more depth than at the 10 level. The topics of house framing, surveying, and some concrete work will be explored as well. **Note: Safety glasses, tape measure, ring binder, carpenter's apron and a pencil are required on the first day of classes.** Courses will be chosen for the program depending on the customer work available; some of the courses will be:

These topics are related to the construction of buildings:

CON2010: Site Preparation

CON2020: Concrete Forming

CON2030: Alternate Foundations

CON2040: Framing Systems1 (Floor and Wall)

CON2050: Roof Structures1 (Framing and Finishing)

CON2060: Exterior Finishing (Door Window and Siding)

These topics are related to the construction of furniture and cabinets. The course will try to provide a balance of these two concepts.

CON2120: Multiple Materials

CON2130: Furniture Making1 (Box Construction)

CON2140: Furniture Making 2 (Frame and Panel)

CON2170: Cabinetmaking 2 (Door and Drawer)

CONSTRUCTION TECHNOLOGY 30

CREDITS: 10

LEVEL: ADVANCED

PREREQ: MINIMUM 50% IN CONSTRUCTION TECHNOLOGIES 20 (10 CREDITS)

FEE: \$55.00

CONTENT: This course runs for 2 - 80 minute blocks and deals with more advanced topics of building construction and furniture and cabinetmaking. The ratio of class theory to shop practice will be about 1/3 to 2/3. There will be some customer service work in order to provide students experience with some of the topics. **Note: Safety glasses, tape measure, ring binder, carpenter's apron and a pencil are required on the first day of classes.** Courses will be chosen for the program depending on the customer work available; some of the courses will be:

CON3010: Concrete Work (Structures and Finishes)

CON3030: Wall and Ceiling Finishes

CON3040: Stair Construction

CON3060: Doors and Trim

CON3210: Framing Systems 2 (Floor Wall and Ceiling)

CON3130: Furniture Making 3 (Leg and Rail)

CON3140: Furniture Making 4 (Surface Enhancement)

CON3160: Cabinetmaking 3 (Cabinet and Countertop)

COSMETOLOGY 10

CREDITS: 5

LEVEL: INTRODUCTORY

PREREQ: NONE

FEE: \$25.00 (KIT INCLUDED)

CONTENT: This course introduces students to the fundamentals of cosmetology. Personal hygiene/grooming, skin care, braiding, manicuring and general hair care are the topics covered. These courses are designed to increase the student's awareness of the importance of personal presentation in situations such as job interviews.

COS1010: Personal Images (NOTE: THIS IS THE PREREQUISITE FOR EVERY OTHER COURSE FOR THIS STRAND.)

Students develop increased appreciation for the significance of personal grooming in various life situations and the knowledge and skills required to perform basic grooming practices.

COS1020: Roping, Knotting and Braiding

Students develop skills to handle hair confidently, brush, comb and part hair correctly, and create ropes, knots and two- or three-strand braids.

COS1030: Hair & Scalp Care 1

Students analyze and describe the structure and condition of hair and scalp, then use basic cleansing and surface conditioning products.

COS1060 Skin Care

Students study the basic structures and functions of the skin, analyze skin and perform basic skin care practices including cleansing, toning, nourishing and protecting.

COS1070: Introductory Manicuring

Students identify the functions, shapes and basic structure of fingernails and conditions of hands and fingernails. Students will perform a basic manicure.

COSMETOLOGY 20

CREDITS: 10 OR 15

LEVEL: INTERMEDIATE

PREREQ: SUCCESSFUL COMPLETION OF 3 CREDITS COSMETOLOGY 10

FEE: \$40.00 (This includes the purchase of the Practical & Theory Workbooks which will be used for both Cosmetology 20 & 30.)

CONTENT: Five major areas of cosmetology are explored at this level: hair care, permanent waving, hair colouring, skin care and facials. Students are encouraged to develop skills and practices for use in a career. Upon completion of all courses in this level, students should be capable of performing services on clients in all five areas of cosmetology. **Note: Depending on the courses taken, scissors will be required. These scissors must be purchased through the cosmetology room.**

COS1050: Permanent Waving: The Physical Process

COS2010: Advanced Roping, Knotting and Braiding

COS2020: Intermediate Hair and Scalp Care

COS2030: Forming and Finishing 2

COS2040: Hair Cutting

COS2050: Hair and Scalp Care and Hair Cutting: Client Services 1

COS2060: Cold Waving

COS2070: Heat Assisted Permanent Waving

COS2080: Permanent Waving: Client Services

COS2090: Introduction of Colouring

COS2100: Colour Removal

COS2110: Colouring and Colour Removal: Client Service 1

COS2120: Facials and Make-up

COS2130: Facials and Make-up: Client Services

COS2140: Skin Care: Client Services 1

COSMETOLOGY 30

CREDITS: 10 OR 15

LEVEL: ADVANCED

PREREQ: SUCCESSFUL COMPLETION OF 3 CREDITS OF COSMETOLOGY 20

FEE: \$40.00

CONTENT: This level continues to develop skills and knowledge dealing with the industry. If all prerequisites are met the following 30 level courses may be taken. For students to qualify to apply for their license from the Apprenticeship Board of Alberta, they must complete 57 credits in cosmetology. Five of these credits are business courses: ENT1010, ENT1020, ENT2010, ENT2040 and ENT3010. These business courses can be taken either through a regular business class or through the Multi-Instructional Resource Room.

COS2150: Intermediate Manicuring

COS2160: Nail Art

COS2170: Manicure: Client Services

COS2190: Theatrical: Make-up: Planning the Images

COS2200: Historical Cosmetology

COS2210: Sales and Services: Principles and Practices

COS3010: Professional Practices

COS3020: Long Hair Graphics

COS3030: Advanced Hair and Scalp Care

COS3040: Advanced Hair and Scalp Care: Client Services

COS3050: Advanced Hair Cutting

COS3060: Advanced Hair Cutting: Client Services

COS3070: Hair and Scalp Care and Hair Cutting: Client Services 2

COS3080: Designer Permanent Waving

COS3090: Hair Relaxing and Straightening

COS3100: Waving, Relaxing and Straightening: Client Services

COS3110: Permanent Hair Colouring

COS3120: Advanced Colour Removal

COS3130: Colouring and Colour Removal: Client Services 2

COS3140: Body Therapy

COS3160: Skin Care: Client Services 2

COS3170: Male Facial Grooming

COS3190: Nail Technology

COS3200: Pedicuring

COS3210: Nail Care: Client Services

COS3240: Theatrical Make-up: Changing Images

COS3250: Theatrical Make-up: Client Services

COS3260: Facial and Body Adornment

ENT2040: Implementing The Venture

CULINARY ARTS (SEE FOODS – CULINARY ARTS)

DESIGN STUDIES 10

CREDITS: 5

LEVEL: INTRODUCTORY

PREREQ: NONE

DES1010: Sketching, Drawing and Modelling - Fundamentals

Students are introduced to observational sketching and drawing, and modelling, and develop skills that can be used and enhanced in further design activity. Students are also introduced to a selection of materials and tools and their uses.

DES1020: The Design Process

Design is a process-based activity. The student begins the process by developing an understanding of the problem through research. The student will then develop possible solutions, working through them to arrive at a final appropriate solution.

DES1030: Design Techniques - Fundamentals

This is skill-building course. Here the student develops skills and techniques appropriate to design through engaging in a variety of activities in various contexts. Techniques may include drawing, use of notation, use of tools and equipment, and layout, cutting, joining and measuring.

DES1040: Design Problems - Fundamentals

In this course, students apply the design process (see the Design Process course) to solve a variety of two- and/or three-dimensional design problems, using techniques such as sketching, drawing and modelling, and other techniques learned in Design Techniques - Fundamentals.

DES1050: Computer Drafting - Fundamentals

The ability to use a personal computer effectively is becoming essential in design. In this course, the student develops basic skills and knowledge in computer aided design and drafting.

DES1060: Drafting for Design - Fundamentals

This course concentrates on basic skill development. The student develops basic knowledge, skills and techniques of drafting appropriate for visualizing and illustrating simple design problems.

DESIGN STUDIES 20

CREDITS: 5

LEVEL: INTERMEDIATE

PREREQ: SUCCESSFUL COMPLETION OF DESIGN STUDIES 10

DES2010: Design-Applications

Students apply the design process and other knowledge, skills and processes learned at the introductory level to projects in two-dimensional design.

DES2020: Design-Applications

Students apply the design process and other knowledge, skills and processes learned at the introductory level to projects in three-dimensional design.

DES2030: CADD-Applications

Students apply their learning from CADD-Fundamentals, and add knowledge, skills and techniques associated with Computer Assisted Design and Drafting in the context of new design-related tasks.

DES2040: Drafting for Design-Applications

Students further develop the knowledge, skills and techniques learned at the introductory level in Drafting for Design Fundamentals [(e.g. Pictorial drawing, multi-view drawing, surface developments (flat pattern for garments)] by applying them in the context of more complex design projects.

DES2050: Technical Drawing-Applications

Students develop accurate multi-view drawings from previously produced sketches, and learn the common understanding, conventions and language associated with technical drawing.

FABRICATION STUDIES 10

CREDITS: 5

LEVEL: INTRODUCTORY

PREREQ: NONE

FEE: \$25.00

CONTENT: This is a practical introduction to metal construction and fabrication with emphasis on developing safe workplace skills. Students are given the opportunity to practice both gas and arc welding. Students will participate in project planning and building. **Note: Safety equipment (footwear and safety glasses) will be required.** Topics covered include:

FAB1010: Fabrication Tools and Materials (NOTE: THIS IS THE PREREQUISITE FOR EVERY OTHER COURSE FOR THIS STRAND.)

FAB1040: Oxyacetylene Welding

FAB1050: Basic Electric Welding

FAB1090: Sheet Fabrication I (Hand Processes)

FAB1100: Fabrication Principles

FAB1160: Production Systems

FABRICATION STUDIES 20

CREDITS: 10

LEVEL: INTERMEDIATE

PREREQ: SUCCESSFUL COMPLETION OF FABRICATION STUDIES 10 (5 CREDITS)

FEE: \$50.00

CONTENT: This program is intended for students who want to develop advanced welding skills and possibly seek a career in welding. All ten courses are taken concurrently and the emphasis is on project design and construction. **Note: Safety equipment (footwear and safety glasses) will be required.** Topics covered include:

FAB1048: Semi Automated/Automated Welding

FAB2020: Print Reading

FAB2030: Oxy Fuel Welding

FAB2040: Thermal Cutting

FAB2048: Flux Core ARC Welding I

FAB2050: Arc Welding I

FAB2060: Arc Welding II

FAB2070: Gas Metal Arc Welding I

FAB2090: Sheet Fabrication 2 (Machine Processes)

FAB2160: Custom Fabrication

FAB2170: Pipe Fitting
CTR2110: Project 2A
CTR2120: Project 2B
CTR2130: Project 2C
CTR2140: Project 2D
CTR2150: Project 2E

FABRICATION STUDIES 30

CREDITS: 15

LEVEL: ADVANCED

PREREQ: SUCCESSFUL COMPLETION OF FABRICATION STUDIES 20 (10 CREDITS)

FEE: \$50.00

CONTENT: This program is intended for students who want to develop workplace standards in welding. All ten courses are taken concurrently and will include an off-campus placement. Students who successfully complete this program may continue into apprenticeship. **Note: Safety equipment (footwear and safety glasses) will be required.** Topics covered include:

FAB3010: Materials Testing
FAB3020: Metallurgy Fundamentals
FAB3030: Gas Tungsten Arc Welding
FAB3040: Specialized Welding
FAB3050: Arc Welding III
FAB3060: Arc Welding IV
FAB3070: Pipe & Tubular Welding
FAB3080: Automated Processes
FAB3160: Prefabrication Principles
FAB3170: Gas Metal Arc Welding II
CTR3110: Project 3A
CTR3120: Project 3B
CTR3130: Project 3C
CTR3140: Project 3D
CTR3150: Project 3E

FASHION STUDIES 10

CREDITS: 3 OR 5

LEVEL: INTRODUCTION

PREREQ: NO PREVIOUS SEWING EXPERIENCE NECESSARY

FEE: \$25.00

CONTENT: This program is designed to provide basic knowledge and skills in the areas of fashion, designing, sewing and use of related equipment. Students will learn some of the basics of constructing a garment using a commercial pattern, with a selected number of skills. The students will be given an opportunity to choose courses to create and illustrate their own original home and personal designs from the following list of courses.

FAS1030: Ready, Set, Sew

Learn how to use and care for sewing and pressing equipment and apply these skills in the construction of a project. **(NOTE: THIS IS THE PREREQUISITE FOR EVERY OTHER COURSE FOR THIS STRAND.)**

FAS1040: Fashion Basics

Learn how to determine pattern size, choose suitable pattern and fabric, make simple pattern alterations and prepare fabric for cutting layout. Apply these skills in assembly of a simple garment. **(NOTE: THIS IS THE PREREQUISITE FOR EVERY OTHER COURSE FOR THIS STRAND.)**

FAS1050: Repair and Recycle

Learn how to restore/update or recycle garments through repair, customizing, redesign, or embellishment.

FAS1060: Creating Home or Personal Accessories

Use basic sewing skills and techniques to construct an accessory for the home or a personal accessory.

FAS1070: Creative Yarns/Textiles

Learn about the various textile related crafts and apply the skills to project construction and merchandising.

FASHION STUDIES 20

CREDITS: 3 OR 5

LEVEL: INTERMEDIATE

PREREQ: SUCCESSFUL COMPLETION OF FASHION STUDIES 10 (3 CREDITS)
(PREREQUISITE COURSES, FAS1030, FAS1040, AND WHERE THEY APPLY)

FEE: \$25.00

CONTENT: Intermediate level courses help students build on the knowledge and skills developed in Fashion Studies 10 and focus on developing more advanced knowledge and skills. Students will choose from courses that provide a broader perspective to many career areas of fashion. Students will become aware of a wide range of fashion related career opportunities including merchandising, design and sewing construction. Select from the following:

FAS2010: Fashion Dynamics

FAS2020: Fashion Illustration I

FAS2030: Computer Aided Patterns I

FAS2040: Evolution of Fashion

FAS2050: Flat Pattern

FAS2060: Pattern Drafting I

FAS2070: Creative Construction

FAS2080: Active Wear

FAS2090: Specialty Fabrics I

FAS2100: Sewing for Others

FAS2110: Creating Home Decor

FAS2120: Surface Embellishment

FAS2140: Fashion Merchandising

FAS2150: Upholstery

FAS2160: Creating Accessories 2

FASHION STUDIES 30

CREDITS: 3 OR 5

LEVEL: ADVANCED

PREREQ: SUCCESSFUL COMPLETION OF FASHION STUDIES 20 (3 CREDITS)
(PREREQUISITE COURSES, WHERE THEY APPLY)

FEE: \$25.00

CONTENT: Fashion Studies 30 provides students the opportunity to concentrate in an area of personal interest. Courses selected by the student will help them develop advanced skills for future career opportunities. Select from the following:

FAS3010: Fashion Illustration: Creating a Fashion Line

FAS3020: Computer Aided Patterns 2

FAS3030: Pattern Drafting 2

FAS3040: Contemporary Tailoring

FAS3060: Couture

FAS3070: Creators of Fashion

FAS3080: Cultural Fashions

FAS3090: Specialty Fabrics 2

FAS3140: Fashion Retailing

Portfolio Project

FOODS 10

CREDITS: 3 OR 5

LEVEL: INTRODUCTORY

PREREQ: NONE

FEE: \$25.00

CONTENT: These courses help students build daily living skills and form the basis for further learning. Introductory courses are developed for students who have little or no previous experience in foods. **NOTE: ALSO CHECK OUT FOODS – CULINARY ARTS 10.**

FOD1010: Food Basics

We know that “You are what you eat!” *Canada’s Food Guide to Healthy Eating* assists people to make wise food choices. Successful food preparation depends on understanding recipes and equipment, care in handling food, as well as safe and efficient work habits. **(NOTE: THIS IS THE PREREQUISITE FOR EVERY OTHER COURSE FOR THIS STRAND.)**

FOD1020: Baking Basics

Students will develop an understanding of the ingredients from which delicious cookies, cakes, muffins and puddings are made.

FOD1040: Meal Planning 1

A meal can let you be creative and enjoy eating with others, or it might simply satisfy your need to eat before you get on with your day.

FOD2060: Milk Products and Eggs

Milk products and eggs are among our most widely used foods. Students develop skills with them and understand the various products available, what they contribute to cooked foods and how they are best used.

FOD2080: Vegetables, Fruits and Grain Products

The incredible variety of grain products and vegetables and fruits available to us are important for their nutritional value and the variety they add to our meals and menus. Students will learn how to preserve the quality of these foods as they prepare vegetables, fruits and grain products.

FOD2100: Basic Meat Cookery

Every cut of meat can be tender and delicious if the differences between cuts of meat, tenderizing and cooking methods are understood. Since meats are an important and costly part of the meals, these are critical skills to develop.

FOODS 20

CREDITS: 3 OR 5

LEVEL: INTERMEDIATE

PREREQ: SUCCESSFUL COMPLETION OF FOODS 10 (3 CREDITS) INCLUDING FOD1010

FEE: \$25.00

CONTENT: These courses help students build on the competencies developed at the introductory level and focus on developing more complex competencies. They provide a broader perspective, helping students recognize the wide range of related career opportunities available in the foods area.

FOD2040: Cake and Pastry

Canadian cuisine, whether for special occasions, holidays or meals, may be enhanced by cakes and pastries. Students will expand their knowledge and skills in the production of cake and pastry.

FOD2050: Yeast, Breads and Rolls

An amazing variety of breads and buns may be produced when students understand the ingredients and the specialized skills used in working with yeast.

FOD2070: Basic Stocks, Soups and Sauces

Light nutritional broths and soups begin with wholesome rich stocks. When stocks are combined with various thickening agents, hearty soups and foundation sauces are created. Students will add skills in producing basic stocks, soups and sauces to their portfolio.

FOD2090: Creative Cold Foods

The preparation of cold foods today reflects influences from around the world and our desire for healthier eating. Learn to combine creativity and understanding of nutrition in the preparation of salads and sandwiches.

FOD2150: Food, Safety, Sanitation

Food-borne illness is a concern whenever food is handled. Food safety and sanitation training is essential in occupations dealing with food.

FOD2170: International Cuisine I

Cultures reveal themselves through their foods and their food customs. Discover other cultures by exploring their cuisine. Learn a variety of international cooking techniques, use specialized tools; prepare food for a typical day, or for a festival.

FOODS 30

CREDITS: 5

LEVEL: ADVANCED

PREREQ: SUCCESSFUL COMPLETION OF FOODS 20 (3 CREDITS)

FEE: \$25.00

CONTENT: These courses demand a high level of expertise and help prepare students for entry in the workplace or a related post-secondary program.

FOD3030: Creative Baking

Satisfaction and pride are two rewards for the creative baker as he/she learns to create specialty cakes and pastry products. Students will select and execute a major project, such as a gingerbread house or a wedding cake.

FOD3040: Advanced Yeast Products

Preparation of braided breads, fancy dinner rolls, doughnuts, croissants and Danishes develops more skill handling yeast dough. Consistency in product quality is emphasized in this course.

FOD3060: Creative Food Presentation

Develop creativity and flair as you learn techniques for presenting beautiful food!

FOD3130: International Cuisine 2

Cultures reveal themselves through their foods and their food customs. Discover other cultures by exploring their cuisine. Learn a variety of international cooking techniques, use specialized tools, prepare food for a typical day, or for a festive occasion.

FOD3110: Food Processing

Freezing, pickling, canning, drying and jam and jelly making do account for many foods available commercially. As students use these methods to process foods they will explore how technology affects food.

FOD3100: Entertaining with Food

Planning and preparing for entertaining can be as much fun as the event itself! Students will develop skills that may be used in the hospitality industry, at home or in many other career roles where organization is important.

DES3190: Portfolio Presentation

A purposeful, systematic and organized collection of a student's work from Foods 10, 20 and 30 along with student reflection explaining how he/she feels about his/her work.

FOODS - CULINARY ARTS 10

CREDITS: 5

LEVEL: INTRODUCTORY

PREREQ: NONE

FEE: \$15.00 (TENTATIVE)

CONTENT: Foods-Culinary Arts is designed for students who wish to develop a knowledge and understanding of food preparation, not only for themselves but also for mass food production, with a creative flare. Students will learn basic food production; they will cook mainly for themselves and do some preparation for the cafeteria. The course is designed to be 30-40% theory and 60-70% food preparation. Students will prepare sandwiches and salads of all types, basic desserts and cookies, breakfast foods and lunches for personal use as well as in large commercial quantities. There is an emphasis and opportunity to continue on in the food industry.

FOD2150: Food Safety and Sanitation

Food-borne illness is a concern whenever food is handled. Food safety and sanitation training is essential in occupations dealing with food: success in this course is a definite asset in a resume. After the successful completion of this course the student will be awarded a Sanitation Certificate from Aspen Health.

FOD1010: Food Basics

We know that "You are what you eat!" *Canada's Food Guide to Healthy Eating* assists people to make wise food choices. Successful food preparation depends on understanding recipes and equipment, care in handling food, as well as safe and efficient work habits. **(NOTE: THIS IS A PREREQUISITE FOR EVERY OTHER COURSE FOR THIS STRAND)**

FOD1020: Baking Basics

Students will develop an understanding of the ingredients from which delicious cookies, cakes, muffins and pastries are made.

FOD2090: Creative Cold Foods

The preparation of cold foods today reflects influences from around the world and our desire for healthier eating. Learn to combine creativity and understanding of nutrition in the preparation of salads and sandwiches.

CTR1110 - Skill Development Time (Cafeteria Preparation)

Students also have opportunities in Foods-Culinary Arts 10/20 or 30 to gain extra CTS credits by working in the cafeteria.

FOODS - CULINARY ARTS 20

CREDITS: 5 OR 10

LEVEL: INTERMEDIATE

FEE: \$15.00 PER SEMESTER (TENTATIVE)

PREREQ: FOODS 10 OR FOODS-CULINARY ARTS 10

CONTENT: This course introduces students to food preparation on a commercial scale. Students will prepare all types of breads and buns, pastries, and also creative cold foods, or prepare vegetables, stocks, soups, simple sauces and meat dishes.

FOD2040: Cake and Pastry

FOD2050: Yeast Breads and Rolls

FOD2150: Food Safety and Sanitation (if not already completed at the 10 level)

CTR1110: Project 1A (Commercial Cooking)

CTR1120: Project 1B (Commercial Cooking)

FOD2070: Basic Stocks, Soups, Sauces

FOD2100: Basic Meat Cookery

FOD2170: International Cuisine 1

CTR2110: Project 2A (Commercial Cooking)

CTR2120: Project 2B

FOODS - CULINARY ARTS 30

CREDITS: 5 OR 10

LEVEL: ADVANCED

PREREQ: FOODS 20 OR FOODS-CULINARY ARTS 20

FEE: \$25.00 PER SEMESTER (TENTATIVE)

CONTENT: This course is a continuation of work begun in Foods-Culinary Arts 10-20. Emphasis will be placed on gaining either more in-depth knowledge of baking and cake decorating, or the cooking of meat and seafood, and on the preparation of a variety of soups and sauces.

FOD3030: Creative Baking

FOD3040: Advanced Yeast Products

FOD3060: Food Presentation

FOD3100: Entertaining with Foods

FOD3140: International Cuisine 2

Project Courses As Required

INFORMATION PROCESSING

CREDITS: 3-5

LEVEL: INTRODUCTORY, INTERMEDIATE, ADVANCED

CONTENT: Students will be offered a choice of courses, ranging from basic to advanced, that include the following kinds of choices: Word Processing, Spreadsheets, Database, Computer Operations, Object-Orientated Programming, Information Highway, Multimedia Authoring and Desk Top Publishing. Students may work at their own rate and progress through the topics of their own choosing.

INF1020: Keyboarding I

Students will develop accurate touch-keystroking of text and data appropriate for personal use, and apply efficient workstation procedures.

INF1030: Word Processing I

Students will develop skill in using basic commands and functions in word-processing software, including document editing, formatting and printing reports, correspondence, and tables suitable for personal use applications.

INF1040: Graphics Tools

Students will learn the basic commands and functions of computer graphing software, including bitmapped graphics (paint program), vector graphics (draw program) and presentation graphics. Students will develop basic skills in manipulating pre-made graphics as well as producing their own graphics.

INF1050: Database I

Students are introduced to the basic commands and functions of software and will demonstrate how database software can be used as a personal tool in data and information management.

INF1060: Spreadsheet I

Students will have an opportunity to use basic functions and commands in spreadsheet software for general data manipulation and personal record keeping.

INF1070: Hypermedia Tools

Students will develop basic skills with tools used for computerized presentations involving text, data, graphics, sounds and animation.

INF2030: Keyboarding II

This course enhances the student's keyboarding competencies by increasing the rate of accurate touch-keystroking of alphabetic, numeric and all punctuation keys to support personal use and limited entry-level workplace opportunities.

INF2040: Keyboarding III

INF2050: Word Processing II

INF2060: Electronic Publishing I

INF2080: Spreadsheet II

INF2090: Database II

INF2150: Programming II

INF2200: Information Highway II

INF2220: Object – Orientated Programming I

INF3030: Keyboarding IV

INF3040: Keyboarding V

INF3050: Keyboarding VI

INF3060: Word Processing III

INF3070: Electronic Publishing II

INF3090: Software Integration II

INF3130: Multimedia Authoring II

INF3150: Programming Application I

INF3200: Information Highway III

LEGAL STUDIES

Legal Studies presents students with basic and practical information about the law. The primary goal is to develop in students the knowledge, skills and attitudes required to respond appropriately to the impact of law on their daily lives. A secondary goal is to equip students with the capabilities and confidence required to participate in the making and changing of our laws. A third goal is to create an awareness of the many law-related occupational opportunities that are available.

Within the philosophy of Career and Technology Studies (CTS), students in Legal Studies will:

- develop skills in decision making, problem solving, communication and critical thinking.
- develop knowledge, skills and attitudes about the law.
- identify the rights granted and the responsibilities imposed by the law.
- engage in the critical analysis of legal issues.
- develop an appreciation of the individual's ability to influence the law.
- demonstrate a tolerance for opinions held by others.
- demonstrate the ability to work cooperatively with others.
- develop the ability to recognize, avoid and resolve problems with legal implications.
- develop an awareness of legal issues in other curricular areas.
- investigate career options related to the law.

LEGAL STUDIES

CREDITS: 5

PREREQ: NONE

LGS1010: You and the Law I--As a Consumer and as a Family Member

Through the use of realistic scenarios and cases, students become aware of the laws that affect the consumer and the laws that affect members of a family.

LGS1020: You and the Law II--In Society and in the Workplace

Students explore laws that affect people in the workplace, and elements of criminal and civil laws about which the average citizen should be informed.

LGS2010: Family Law

Students examine a broad range of legal issues related to personal relationships.

LGS2020: Labour Law

Students explore contracts of employment, unions and collective bargaining, employment insurance, workers' compensation and women in the workplace. Challenging issues and law-related careers are also considered.

LGS3080: Criminal Law

Students examine the criminal justice system including the criminal process and the roles and responsibilities of the participants. Students also explore challenging issues and law-related careers.

LGS3010: Consumer and Property Law

Students examine laws related to renting personal and real property, purchasing a home, making investments and building or renovating a home. Methods of protecting the consumer, as well as challenging issues and law-related careers, are also discussed.

LGS3020: Dispute Resolution

Students have the opportunity to demonstrate and apply the methods (negotiation, mediation, arbitration and adjudication) used to resolve disputes. As well, they examine career opportunities and challenging issues.

LGS3040: Negligence

Students use cases and scenarios to explore the legal meaning of negligence and the basic requirements to take legal action.

LGS3050: Laws Affecting Small Business

This course provides information about the laws related to starting a business, running a business and ending a business. There is opportunity to explore challenging issues that affect small business and law-related careers.

LGS3060: Controversy and Change

Students explore how issues evoke responses that may bring about changes in the law. They also focus on the wide variety of strategies that may be used.

LGS3070: Landmark Decisions

Students have the opportunity to analyze, in detail, "landmark decisions" and their subsequent influence on our political, social and economic environment.

MANAGEMENT, MARKETING AND FINANCE

CREDITS: 3 OR MORE

PREREQ: NONE

CONTENT: Students learn by completing practical simulations and investigating current business practice as well as investigating current thinking on management and marketing techniques. Interviews with business people expose the students to a range of thinking. This course provides excellent preparation for post-secondary business administration or management training.

Introductory Courses

ENT1010: Challenge & Opportunity

ENT1020: Planning a Venture

MAM1010: Management & Marketing Basics

MAM1020: Quality Customer Service

MAM1030: Communication Strategies 1

MAM1040: E-commerce 1

FIN1010: Financial Information

Intermediate Courses

ENT2010: Analyzing Ventures

ENT2020: Financing Ventures

ENT2030: Marketing the Venture

ENT2040: Implementing the Venture

MAM2010: Managing For Quality

MAM2030: Promotion: Visual Merchandising

MAM2040: Retail Operations

MAM2050: Office Systems 1

MAM2060: Communication Strategies 2

MAM2080: Records Management 1

MAM2090: Promotion: Print Advertising

MAM2110: E-commerce 2

FIN2010: Taxation (Personal & Small Business)

FIN2040: Financial Software

FIN2050: Financial Simulation

Advanced Courses

ENT3010: Managing the Venture

ENT3020: Expanding the Venture

MAM3010: The Business Organization

MAM3020: Business in the Canadian Economy

MAM3030: Business in the Global Marketplace

MAM3040: Promotion: Sales Techniques

MAM3050: Distributing Goods & Services

MAM3060: Setting Up a Retail Store

MAM3070: Office Systems 2

MAM3080: Communication Strategies 3

MAM3090: Records Management 2

MAM3100: Promotion: Broadcast Advertising

MAM3120: E-commerce 3

FIN3060: Financial Analysis

FIN3070: Financial Planning

MECHANICS 10

CREDITS: 5

LEVEL: INTRODUCTORY

PREREQ: NONE

FEE: \$25.00

CONTENT: This course is designed to introduce students to the basic operation and construction of all the parts and operating systems of cars and light trucks. This course is designed for those who are interested in pursuing an occupation in the automotive industry, and exposes students to what is expected in industry. **Note: Safety equipment (coveralls and footwear) will be required for this course.** Topics covered are:

MEC1030: Mechanical Systems

MEC1040: Engine Fundamentals

MEC1090: Electrical Fundamentals

MEC1110: Pneumatics and Hydraulic Systems

MEC1150: Ride and Control Systems

MECHANICS 20

CREDITS: 15

LEVEL: INTERMEDIATE

PREREQ: SUCCESSFUL COMPLETION OF COURSES MEC1020, 1040 1090, 1130, 1150

FEE: \$50.00

CONTENT: The Mechanics 20 program runs for 3-80 minute blocks per day for one semester. One 80-minute block is devoted to theory, the other 2-80 minute blocks are spent in the shop performing repairs on customer vehicles.

This course is designed to provide students with a good theoretical background in vehicle repair procedures and a wide variety of mechanical repair experience. It is intended for students who intend to carry on in the automotive industry, and for students who wish to gain some practical experience which will carry over to other occupational areas. **Note: Safety equipment (coveralls and footwear) will be required for this course.** Topics covered are:

MEC1020: Vehicle Service and Repair

MEC2020: Vehicle Maintenance

MEC2030: Lubrication and Cooling Systems

MEC2040: Fuel and Exhaust Systems

MEC2050: Alternative Fuels

MEC2060: Ignition Systems

MEC2090: Electrical Components

MEC2100: Power Assist Accessories

MEC2110: Braking Systems

MEC2120: Hydraulic Accessories

MEC2150: Suspension Systems

MEC2160: Steering Systems

MEC3050: Engine Removal and Installation

MEC3060: Engine Reconditioning I

MEC3150: Wheel Alignment

MECHANICS 30

CREDITS: 10

LEVEL: ADVANCED

PREREQ: 50% MINIMUM IN ALL REQUIRED COURSES OF MECHANICS 20

FEE: \$50.00

CONTENT: The Mechanics 30 program is designed mainly for students who intend to continue in the Automotive Repair Industry. The course runs for 3-80 minute blocks in the second semester. One block each day is spent in Theory, and 2-80 minute blocks are spent in the shop working on customer vehicles. Approximately 1/3 of the course is devoted to Work Study, where students are placed in a local automotive repair shop where they can gain some experience working with full-time trades people. This often leads to temporary or full-time employment, or a valuable reference.

Note: Due to the work experience component, students should not be registered in any other courses during the term they are taking Mechanics 30.

Students who have completed Mechanics 30 and the requirements for a High School Diploma may have their apprenticeship training period reduced on the recommendation of their employer. **Safety equipment (coveralls and footwear) will be required for this course.** Topics covered are:

MEC2070: Emission Controls

MEC2130: Drive Trains

MEC2140: Transmissions/Transaxles

MEC3030: Engine Performance Diagnosis

MEC3040: Engine Tune-ups

MEC3090: Computer Systems

MEC3100: Safety Systems

MEC3120: Power Assisting

MEC3130: Automatic Transmissions

MEC3140: Drive Train Repair

TOURISM AND TRANSPORTATION

CREDITS: 3 OR MORE

LEVEL: INTRODUCTORY/INTERMEDIATE/ADVANCED

PREREQ: NONE

CONTENT: Students are exposed to the various components of the tourism, travel and transportation industry. Students research different careers within these industries. Students explore the accommodations and different people and places within the world.

Introductory Courses

TOU1010: The Tourism Industry

TOU1020: People & Places

TOU1030: Quality Guest Service

TOU1040: The Food Sector
TOU1050: The Accommodation Sector
TOU1060: The Travel Sector
TOU1070: The Attractions Sector
LOG1010: Logistics
LOG1020: Warehouse & Distribute 1
LOG1030: Traffic & Transport 1
LOG1040: Purchasing 1

Intermediate Courses

TOU2010: Tourism Events
TOU2040: Food Functions
TOU2050: Meetings & Conferences
TOU2060: Tourism Destinations 1
TOU2070: Tourism Destinations 2
TOU2080: Travel Planning
TOU2090: Tourism Interpretation 1
TOU2100: Tourism Interpretation 2
LOG2010: Warehouse & Distribute 2
LOG2020: Traffic & Transport 2
LOG2030: Purchasing 2
LOG2040: Inventory Management 1

Advanced Courses

TOU3030: Food Service Operations
TOU3040: Hotel/Motel Operations
TOU3050: Alternative Accommodations
TOU3060: Travel Agency Operations
TOU3070: Reservations & Ticketing
TOU3080: Air Transportation
TOU3090: Surface Transportation
TOU3100: Attractions Operations
TOU3110: Adventure & Ecotourism
LOG3010: Warehouse & Distribute 3
LOG3020: Traffic & Transport 3
LOG3030: Purchasing 3
LOG3040: Inventory Management 2

OTHER COURSES

REGISTERED APPRENTICESHIP PROGRAM (R.A.P.) 15, 25, 35

CREDITS: MINIMUM OF 5 AND A MAXIMUM OF 40

PREREQS: CAREER TRANSITIONS 1010 AND CAREER TRANSITIONS 1210

CONTENT: Sturgeon Composite High School's innovative Registered Apprenticeship Program allows full-time high school students to begin an apprenticeship training program as early as grade 10, earning credit toward both a high school diploma and an apprenticeship program at the same time. This program provides students with different options for their future careers. For every 125 hours the student works under R.A.P., he/she receives 5 credits. Students may not commence this course until approval has been received for the work site and all necessary documentation is completed.

WORK EXPERIENCE 15, 25, 35

CREDITS: 3-10 FOR EACH OF WORK EXPERIENCE 15, 25, AND 35

PREREQ: CAREER TRANSITIONS 1010 - JOB PREPARATION

CONTENT: 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. 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 WILL BE**

KNOWLEDGE & EMPLOYABILITY PROGRAM

The Knowledge & Employability Program (FORMERLY THE INTEGRATED OCCUPATIONS PROGRAM) is designed for students who are interested in pursuing a vocational career or require additional support to meet the requirements for achieving a high school diploma. If you would like more information, please contact the school.

The Knowledge & Employability Program focuses on three areas to help support students.

1. Content emphasis in each course is on the basic skills essential to becoming responsible members of society.
2. All learning in the core or academic subjects begins at the concrete level. Instruction in any skill begins with reference to real-life applications. All learning in core subjects is deliberately reinforced and applied in the vocational courses.
3. There is an emphasis on appropriate teaching strategies to suit the unique learning needs of students enrolled in this program.

NOTE: STUDENTS ENROLLED IN THE KNOWLEDGE & EMPLOYABILITY PROGRAM DO NOT NEED TO BE FULLY REGISTERED IN THIS PROGRAM AND MAY REGISTER FOR REGULAR COURSES AS WELL. EACH STUDENT'S TIMETABLE IS STRUCTURED TO BEST MEET THEIR INDIVIDUAL NEEDS AND ABILITIES.

CHALLENGE PROGRAM

The Challenge Program at Sturgeon Composite High School is a non-credit program designed for students from the Junior Challenge program at Namao and equivalent programs. Students must be recommended for this program through the direction of Student Services for Sturgeon School Division. Individual program plans are developed for each student in consultation with parents and students. The emphasis is on academics, vocational skills and life skills. Courses which are offered throughout the student's high school years include: Communication, Computation, Vocational Skills and Living Skills including lunch preparation, grocery shopping and crafts, and physical education. Students are integrated into regular options on an individual basis which recognizes student interests and necessary supports. Students are also involved in community programming activities such as banking, and gaining familiarity with community services. Recreational activities such as swimming, golfing and dancing are also offered.

The general vocational skills taught during Semester 1 are reinforced and extended during Semester II. Students complete a work experience component at job sites located in north Edmonton or St. Albert. Sites are selected based upon student interest, accessibility, relevance for future plans, and availability of necessary supports. The staff at Sturgeon Composite High School transport students to and from work and provide support where needed. **Note: For further information, consult the Challenge Program Course Selection Guide.**

PROGRAM PLANNING

POST-SECONDARY GOALS (Check One)

- APPRENTICESHIP
- BUSINESS PROGRAM
- UNIVERSITY

- INSTITUTE OF TECHNOLOGY
- COMMUNITY COLLEGE
- OTHER (SPECIFY)

CAREER GOALS

1. To work?
What occupation?
2. Further Education? Where?
What faculty or program?
Subjects for Entrance:
3. If you are not certain, what general area would interest you?

GRADE 9	GRADE 10	GRADE 11	GRADE 12
LA 9 _____	English _____	English _____	English _____
Soc. St. 9 _____	Social _____	Social _____	Social _____
	_____	_____	_____
Math 9 _____	Math _____	Math _____	_____
Science 9 _____	Science: _____	Science _____	_____
	_____	_____	_____
	_____	_____	_____
		CALM 20 _____	
		OPTIONS _____	OPTIONS _____
PHYS. ED. 9 _____	PHYS. ED. _____	_____	_____
OTHER OPTIONS _____	OTHER OPTIONS _____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	TOTAL CREDITS _____	TOTAL CREDITS _____	TOTAL CREDITS _____
	(40 credits min.)	(35 credits min.)	(30 credits min.)
			TOTAL HIGH SCHOOL CREDITS _____

ALBERTA HIGH SCHOOL DIPLOMA GRADUATION REQUIREMENTS

The requirements indicated in this chart are the **minimum** requirements for a student to attain an Alberta High School Diploma. The requirements for entry into post-secondary institutions and workplaces may require additional and specific courses.

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 **or** 33)

MATHEMATICS – 20 LEVEL¹
(Applied Mathematics 20 or Pure Mathematics 20 **or** Mathematics 24)

SCIENCE – 20 LEVEL²
(Science 20, Science 24, Biology 20, Chemistry 20 **or** Physics 20)

PHYSICAL EDUCATION 10 (3 CREDITS)

CAREER AND LIFE MANAGEMENT (3 CREDITS)

10 CREDITS IN ANY COMBINATION FROM:

- Career and Technology Studies (CTS)
- Fine Arts
- Second Languages³
- Physical Education 20 and/or 30⁴
- Locally developed/acquired and locally authorized courses in CTS, fine arts or second languages
- two 30-level course from any Knowledge & Employability Program cluster or
- two 35-level courses from any trade in the Registered Apprenticeship Program

10 CREDITS IN ANY 30-LEVEL COURSE⁵ (IN ADDITION TO A 30-LEVEL ENGLISH LANGUAGE ARTS AND A 30-LEVEL SOCIAL STUDIES COURSE AS SPECIFIED ABOVE)

- Locally Developed/Acquired and Locally Authorized Courses
- 3000 Series; Advanced Level in Career and Technology Studies Courses
- 35-level Work Experience⁶
- two 30-level Knowledge & Employability Program Course
- two 35-level courses from any trade in the Registered Apprenticeship Program
- two 30-level courses from any Green Certificate Specialization

- 1 For students who entered Grade 10 before September 1998, the mathematics requirement—Mathematics 20 or 23 or 24—may also be met with any 10-credit combination of mathematics courses that includes either Mathematics 13 or Mathematics 10; e.g., Mathematics 10 and Mathematics 14. Students may also use Pure Mathematics 10, Applied Mathematics 10, Mathematics Preparation 10 (5 credits) in conjunction with Mathematics 10 or Mathematics 13 to meet this requirement.
- 2 The science requirement—Science 20 or 24 or Biology 20 or Chemistry 20 or Physics 20—may also be met with any 10-credit combination of science courses that includes Science 10 and 14.
- 3 Students may earn any number of credits in each second language, but only 25 credits in each second language studied may be used to meet the 100-credit requirement for the Alberta High School Diploma.
- 4 Students entering Grade 10 in the 1998-1999 school year and subsequent school years will be able to use Physical Education 20 and/or 30 to meet this 10-credit requirement.
- 5 Students enrolled in the Knowledge & Employability Program who wish to transfer to an Alberta High School Diploma route at any time must meet the requirements outlined in the box on the previous page. Two 30-level course (10 credits) from any Knowledge & Employability cluster or 10 credits from any Green Certificate Specialization or two 35-level RAP courses is acceptable for students transferring from the Knowledge & Employability Program to the Alberta High School Diploma Program in order to meet the 10-credit requirement in any 30-level courses.
- 6 Students may earn any number of credits in work experience, but only 15 credits may be used to meet the 100-credit requirement for the Alberta High School Diploma.

FURTHER NOTES:

- For 30-level courses that have a diploma examination, the final course mark consists of an average of the school-awarded mark and the diploma examination mark.
- Students in Francophone programs should consult the Alberta High School Diploma Graduation Requirements for French First Language-Francophone in this Guide.
- Mature students should consult the Mature Students section in this Guide for applicable graduation requirements.