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PRINCIPAL'S MESSAGE

Thank you for taking a few moments to read this message. This Handbook has been prepared as a tool for your use, while selecting your courses for the next school year. Short of personal counselling, it is the most complete source of information available when determining your course of studies. I would urge you to take the time to thoroughly read this handbook and to use the information herein to make the wisest selections possible.

You will find information on the credit and semester systems and how they work. There is information on course and graduation requirements as well as types of programs, types of courses and an explanation of the course identification system. Additionally there is much general information that will be useful to you both as a student at Three Oaks and as a guide to possible future studies. Finally you will find a detailed description of all the courses offered and any prerequisite requirements.

While the information presented in this book is invaluable, a second key is your reflection and personal thoughts. A high school education is a beginning, not an end. Every student who attends Three Oaks has unique talents and abilities. Your education will be a key to discovering, unlocking and developing those talents. There is no single best course of studies. The opportunities afforded you at Three Oaks are many, but only through wise decision-making and hard work will you be able to maximize those opportunities.

Poor course selection may limit some of your future opportunities and therefore the development of your unique talents. I urge you to think about your strengths, your interests and possible future jobs that you might like. You may then use this program guide, along with personal counselling to select those courses that will best allow you to seek your goals.

The amount of effort that you put into your school work also directly effects the pursuit of your goals. Even though school work can sometimes be a drudgery, serious application leads to better results and therefore a better chance of obtaining all you desire. I urge you to be realistic in your selections. Strive to make your courses challenging, but not beyond your limits. Try to balance the traditional academic courses with those that invoke your interest. Also consider taking at least one course that would expose you to something new. Many people have happened on to their life's work as a result of an unintentional exposure to something new.

In conclusion, I wish you the best in your final selections.

Sincerely,

Duncan McKillop, Principal

INTRODUCTION

Students entering or moving from grade to grade in high school have many important decisions to make when they are selecting their courses of study. Your course selection is very important and will determine which career options are available to you in the future. We advise you to carefully read the following pages which describe the system of education presently in use at Three Oaks. In addition you should consult your parents, teachers and counsellors for advice in selecting your courses. Parental and school approval of the courses selected are required before your timetable can be completed.

Three Oaks offers a variety of courses at each grade level. These courses are given at different levels of difficulty to better meet the needs of each individual student. Courses may be chosen which prepare students for university, technical college, trades training or the work force. We urge you to choose courses that are at as high a level of difficulty as you can handle to ensure that you will keep your career options open.

We believe a good high school program should include a basic education in English, mathematics, science and social studies. These subjects are recommended at each grade level. In addition, elective courses are available and are designed to meet your other interests and to aid in your future career decisions.

CREDIT SYSTEM

Three Oaks operates on a credit system and your progress is measured by how many credits you successfully complete. Credit value is obtained in a course if a mark of 50% or more is achieved, attendance criteria and all other course requirements are met. In most cases one credit is earned for each full semester course that is successfully completed. You are allowed to register for a maximum of eight (8) credits during each school year.

SEMESTER SYSTEM

The school operates on a Semester System which allows you to take half of your courses in the first semester (September-January) and the other half in the second semester (February-June). This reduces the number of courses you have to take at a given time but increases the rate at which work is covered in each course. An attempt is made to schedule your courses so that there is a balance each semester between the more and less demanding courses.

PROMOTION

Grade levels at Three Oaks are assigned as follows:

Grade 10 - You must be in your first year of senior high school or have obtained less than four full credits during a previous year in Grade 10.

Grade 11 - You must be in your second year of high school and have obtained at least four credits at the Grade 10 level. OR You may be in your third year of study and have not obtained enough credits to graduate in that year.

Grade 12 - You must be eligible to graduate at the end of the current year, or have previously graduated.

Students who are short one or two credits to graduate may enroll in an approved (by Student Services) correspondence course. A receipt is to be given to Student Services to confirm enrollment. Correspondence courses must be completed by June 1st in order to have their name included on the grad list.

Students that have received an incomplete, "INC", on progress reports have not met the courses requirements to receive credit. All required work to meet course requirements must be submitted to the subject teacher by the last day of the final examination period. Students that have not met the course requirements at the end of the semester will be assigned as a mark of 45 % to indicate that no credit was granted.

Promotion is by individual subject and students may be enrolled in courses at different grade levels. For example, you could be taking a Grade 12 level English and a Grade 11 level Mathematics course or vice versa.

If you have not earned credit in a course (due to a failing mark, poor attendance, or course requirements not being met), then this would mean that in the following year you will have to do one of the following:

- (a) repeat the course;
- (b) take a course in the same subject at a lower level of difficulty;
- (c) choose a course in another subject area if the one failed was not a required one.

You should realize that some courses are highly sequential, that is, each course builds directly on the knowledge and skills developed in previous courses. Experience has shown that moving to the next grade level in these courses with a minimum pass mark of 50% is suspect in terms of chances for success, particularly if your achievement level has been declining.

TYPES OF PROGRAMS

As a student at Three Oaks you must select one of the following programs:

1. **FULL TIME STUDENT** - A student is considered to be full time if they are enrolled in a minimum of three courses in a semester.
2. **PART-TIME STUDENT** - A student who is enrolled in two or less credits in a semester. Students that are part-time are permitted on school property only during their scheduled classes (ten minutes prior to the start of class and ten minutes after classes).
3. **THE FRENCH IMMERSION PROGRAM** - This program is designed for students who have completed the intermediate school immersion program. The main objectives of the French Immersion Program are:
 - (a) to enable students to pursue their education in either French or English,
 - (b) to develop skills for employment in which the working language is either French or English,
 - (c) to enable students to live in either French or English communities with linguistic and cultural ease.

To ensure the attainment of these objectives, French Immersion students are required to enrol in two courses in French per year:

- Gr. 10 Level: FRENCH (F.I.) 421. Students can take CANADA IN TODAY'S WORLD (F.I.) 421 (will satisfy Social Studies requirement) and/or SCIENCE 421 (F.I.) 421 (will satisfy Science requirement).
- Gr. 11 Level: FRENCH (F.I.) 521 and CANADIAN LAW (F.I.) 521 (will satisfy Social Studies requirement).
- Gr. 12 Level: FRENCH (F.I.) 621 and SOCIOLOGY (F.I.) 621 (will satisfy Social Studies requirement).

Immersion Courses are also open to other students whose linguistic ability in French is deemed appropriate to the course. This decision will be made on an individual basis at the discretion of the school. Students who were formerly enrolled in French Immersion at the Intermediate or Senior High level are not eligible to enroll in Core French.

4. CO-OPERATIVE WORK STUDY PROGRAM

The Co-operative Work Study Program gives interested Grade 11 and 12 students an opportunity to obtain credits through courses that combine in-school and out-of-school learning situations. Co-operative Work Study is a program that integrates classroom theory with practical experience in the workplace. The program is based on a partnership between the school and business/industry or social agencies. In addition to providing work experience, the program can help students make decisions about their future careers and gain confidence in making the transition from secondary school to the world of work or post-secondary education. Students can earn up to eight (8) credits for the program.

A full range of work placements is possible. Assessment of the student will be determined by the employer and the supervising teacher and will be based on good working skills such as attendance, punctuality, attitude, quality of work and workplace relationships.

Entry to the program will be determined by the school counsellors and the Co-operation Education teacher. Students' past attendance and punctuality are factors considered for entry. Contact them for more information.

5. STUDENT RESOURCE PROGRAM

This program supports students who may need extra assistance to be full participants in all aspects of school life. Students are provided with teacher support and guidance they need to complete their school year successfully. Students who have scheduling conflicts, incomplete courses or discontinued courses or struggle academically in the regular classroom may be candidates for the resource room. Students may attend the resource room to complete assignments, prepare for tests and write tests or work on individual course credits. Students may also get help with basic skills in communication, math, life skills and community awareness.

Entry to this program is determined by administration and staff in consultation with parents and the student. Please contact the school counsellors for more information.

6. PRE-APPRENTICESHIP / VOCATIONAL PROGRAM

This program offers students an introduction to the trades in the areas of aerospace, welding, carpentry and motor vehicle repair. Through a possible six to eight credits in each program, students receive an introduction to potential careers and future technical education.

7. LIFE SKILLS PROGRAM

This program, the first of its kind within a high school setting on P.E.I., offers a unique in-school alternative environment and educational experience for all students to achieve both personal and academic success. Through personal support and individualized course offerings, students receive the following opportunities: resource support in their current program of studies; actual credit for completed courses within our learning centre and support for addressing both academic and personal issues towards ensuring their success while a student at Three Oaks.

Through the positive efforts of the school community and various interagencies within the community, this program also serves as a transitional option and point of entry for students wishing a return to the regular school system. An emphasis on attendance, student commitment to their studies, a desire to learn in a personalized learning environment, and a commitment from program and school staff will ensure that each student realizes both personal and academic success.

Entry to this program will be determined by our Student Support Team in consultation with parents/guardians and the student. For further information, please contact Student Services.

8. PEER HELPER PROGRAM

Students enrolled in this full credit program will have the opportunity to earn a credit while helping students with extra needs meet the many challenges they encounter in the integrated setting and the resource room. The peer helpers work on a one to one basis with the student and are closely supervised by the classroom teacher and/or advisory teacher.

After being selected through an interview process, the successful applicants will be given a brief training program. This program will outline their responsibilities as well as present strategies and techniques which may help the peer tutor in meeting the specific needs of his or her assigned student(s).

9. ADVANCED PLACEMENT PROGRAM

Advanced Placement (AP) courses are first year University level courses that expand upon existing specialized curricular courses. These courses are designed for the highly motivated student with an excellent work ethic. Individuals can benefit from taking

AP courses by learning a subject in greater depth and developing skills that will be critically important to successful study in post-secondary institutions. Students who successfully complete the in school portion of this course will earn a high school credit. Such AP credits contribute to graduation requirements. AP courses are challenging and stimulating, and require an even greater commitment of time and effort from students. In return, the AP courses offer greater opportunity for intellectual challenge, individual progress and accomplishment.

In May of each school year, the students are also given the opportunity to write the College Boards Advanced Placement Examination. Taking this exam is not compulsory, but those students who successfully challenge the examination and receive a mark of 3, 4 or 5 (out of 5) **may** earn a University Credit or an Advanced Standing at numerous universities and colleges across Canada and the United States.

The University of Prince Edward Island has a motion before the their Senate to update their policies regarding the AP program. This decision is expected to be in line with recent decisions by other Canadian universities to accept the AP program for credit and/or placement.

Students must have an minimum average of 80% or higher in the prerequisite subject in Grade 11 to qualify to take the AP courses. With careful planning of course selections, students can take AP courses without taking extra time to graduate. Please note that there is a nominal fee of approximately \$100 to write the College Board's Final Exam - this fee is to be paid by the Western School Board and the Prince Edward Department of Education and Early Childhood Development. This will allow successful students to save tuition and textbook expenses for that course at University.

TYPES OF COURSES

Courses are offered at various levels of difficulty to better match the varying needs, interests and ability levels of students. The following is the variety available at Three Oaks Senior High School:

A. ADVANCED PLACEMENT

In the 2009 -10 academic year, Three Oaks Senior High School offered two Advanced Placement courses - English and Biology. These courses will also be offered in 2010-2011. As well, in the 2010-2011 academic year Three Oaks will be offering both Pre-AP Biology 521 and Pre-AP Chemistry 521. These courses will allow students to be better prepared to take the Advanced Placement Biology and Advanced Placement Chemistry in 2011-2012.

In the 2009 - 10 academic year, we started to prepare students for this challenge by allowing students to select Pre-AP Math 421. This course includes curriculum from Math 421 plus selected topics in Math 521A. Students are given the opportunity to follow this course with Pre AP 521. This will include Math 521A topics and select topics in Math 521B. In the 2010 - 11 academic year, Three Oaks will be introducing Pre-AP Math 521B which will have topics in Math 521B and Math 621B. In the 2011 - 12 academic year, Three Oaks will be introducing Pre AP 621B as well as the Advanced Placement Calculus.

B. **ADVANCED**

(University Preparatory)

Courses at this level will provide the student with a deeper and more intensive understanding of the subject area. Students choosing these courses will normally be those who have demonstrated a high degree of competency and interest in the subject area.

These courses provide a higher level of preparation for studies beyond high school. Advanced English and Math at the Grade 11 and 12 levels are prerequisites for consideration for the top three prizes for high academic standing.

C. **ACADEMIC** (University Preparatory)

Courses at this level provide the student with an in-depth understanding of the subject matter. Students choosing these courses will normally be those who have demonstrated the ability to cope with subjects requiring a studious approach. The content and method of instruction will require a high degree of student performance. Courses at this level are necessary for admission to university and many programs at Holland College.

D. **GENERAL**

Courses at this level provide basic training and understanding in the subject area. Students choosing these courses are normally those who have experienced difficulty in coping with the more academic aspects of the subject area. The content and approach of these courses should provide a broad general understanding of the subject matter. Courses taken at this level will not prepare students for admission to university but **may** allow entry into **some** trade and technical training programs.

E. **PRACTICAL**

Courses at this level are designed to provide a program for students who have experienced considerable difficulty in school over the years and are unable to cope with Academic or General courses. The material is of interest to the age group in that it relates to everyday experiences. School recommendation is required for entry into these courses.

F. **CAREER & TECHNOLOGY STUDIES**

Courses at this level familiarize students with current career and occupational opportunities. Each course will reflect current technology and will provide hands-on experience.

G. **OPEN**

Courses at this level are open to all students. Generally speaking, these are elective courses and are activity oriented. These courses are not acceptable as credits for admission to university.

FULL-TIME STUDENTS AT THREE OAKS Course Requirements

Our present system allows for a maximum course load of eight (8) credits at each grade level.

As a **Gr. 10 student**, you **must** register for a complete eight (8) credit program which would include 2 courses in English, and 1 course in Mathematics, Science and Social Studies. At this level you would have no study periods.

As a **Gr. 11 student**, you **must** register for a minimum of seven (7) credits which would include at least 1 course in English, Science, Social Studies and Mathematics.

As a **Gr. 12 student**, you must register for a minimum of seven (7) credits which must include a Grade 12 level English. A Grade 12 Mathematics, Science and Social Studies are recommended.

As a **graduate of Three Oaks or any other school**, decisions regarding registration will be made considering factors such as course availability and class size.

Recommendation

Social Studies

Though a variety of courses are offered in the area of Social Studies, each of which is of value depending on your interests and future plans, **you are recommended to include at least one Canadian History or Canadian Geography course** in your three year program.

Science

If you are registering for Science courses at the academic level, **you should include at least one of Biology, Chemistry or Physics** in your choice. **If you plan to go on to university, in the Science related areas, you are encouraged to take Biology, Chemistry and Physics in Grades 11 and 12.**

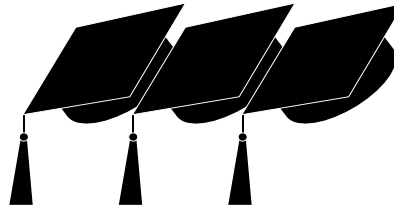
Graduation Requirements

1. **Students who enter Three Oaks at the Grade 10 level, or students who transfer from another P.E.I. high school:**
 - (a) must earn a minimum of 20 credits which must include 4 Language credits, 2 credits in Mathematics, 2 credits in Science, 2 credits in Social Studies. (b) the language credits must include a credit in Grade 12 English.(c) 5 of the 20 credits must be at the Grade 12 level.

FULL-TIME STUDENTS (cont'd)

Graduation Requirements (cont'd)

NOTE: Only a single compulsory core subject requirement is met when two credits are attained at the same grade but at different difficulty levels. ***For example:*** If a student has both 421 and 431 math credits, the student receives two credits ~ one classified as a math credit, the other as an elective credit and therefore the student still requires a minimum of one more grade 11 math credit to satisfy graduation requirements.



2. **Students who enter Three Oaks at the Grade 11 level from a high school outside of P.E.I.:**
 - (a) Must earn a minimum of 13 credits which must include 2 language credits, 1 credit in mathematics, 1 credit in science and 1 credit in social studies.
 - (b) The language credits must include a credit in Grade 12 English.
 - (c) 5 of the 13 credits must be at the Grade 12 level.

3. **Students who enter Three Oaks at the Grade 12 level from a high school outside of P.E.I.:**
 - (a) Must enroll in at least 7 courses and earn a minimum of 6 credits.
 - (b) 5 of the 6 credits must be at the Grade 12 level.
 - (c) The language credits must include a credit in Grade 12 English.

COURSE IDENTIFICATION

Each type of course described in the previous section may be recognized by its full name followed by a three digit number. To map out a program of study you must understand this system of identification as each number tells you something about the course. The following diagram explains the system.

ENGLISH ↕	4 ↕	3 ↕	1 ↕
Area of Study	Year in Which Course is Usually Attempted	Type of Course	Credit Value
English	4 - Grade 10 (first)	0 - Open	1 - 1 credit
Science	5 - Grade 11 (second)	1 - Enriched	2 - 2 credits
etc.	6 - Grade 12 (third)	2 - Academic	
	7 - Grade 10 or 11 (first or second)	3 - General	
	8 - Grade 11 or 12 (second or third)	5 - Practical	
		6 - Modified	4 - 4 credits

EXAMPLES

English 431 - this course is **Grade 10 General** English and is valued at **one credit**.

Biology 521 - this course is **Grade 11 Academic** Biology and is valued at **one credit**.

Physical Education 801 - this course is a **Grade 11 or 12 open level** physical education course and is valued at **one credit**.

* COURSES AVAILABLE 2010-11

SUBJECT AREA	YEAR 1 - GR. 10	YEAR 2 - GR. 11	YEAR 3 - GR. 12
ENGLISH	English Core 421 English Writing 421 English Core 431 English Media 531 English Core 451 Life Skills 551	English 511 English 521 English 531 English 551 English Media 531 English Writing 521 Communications 801	English 611AP English 621 English 631 English 651
E A L	English as an Additional Language 701A,B,C,D		
MATHEMATICS	Mathematics 421 Mathematics 421AP Mathematics 431 Mathematics 451	Mathematics 521BAP Mathematics 521 AP Mathematics 521A **Mathematics 521B Mathematics 531 Mathematics 551	Calculus 611 Mathematics 621A **Mathematics 621B Mathematics 631 Mathematics 651
SCIENCE	Science 421 A Science 421 Science (F.I.) 421 Science 431 Science 451 Science 701	Chemistry 521AP Chemistry 521 Biology 521 Physics 521 Biology 521AP Science 551 Environmental Studies 701	Oceanography 621 Chemistry 621 Biology 621 Biology 621AP Physics 621 Env. Science 621 Biology 631 Science 651 Agriscience Animal Farm 801
SOCIAL STUDIES	Anc & Medieval History 421 Canada in Today's World (F.I.) 421 Geography of Canada 421 Can. Studies 401 Soc. Studies 451	Canadian Law 521 Canadian Law (F.I.) 521 Modern World Survey 521 Global Studies 521 Canadian Law 531 Social Studies 551	Can. History 621 Sociology (F.I.) 621 Economics 621 Political Studies 621 Global Issues 621 Global Issues 631 Social Studies 651

* See Page 11 for explanation of course numbering system.

** Students interested in continuing their education in Sciences and/ or Business/Technical fields are strongly encouraged to enroll in Math 521B, Math 621B and Calculus 611.

SUBJECT AREA	YEAR 1 - GR. 10	YEAR 2 - GR. 11	YEAR 3 - GR. 12
ART	Art 401	Art 501	Art 601, Art 621
BUSINESS EDUCATION	Info Tech & Com 401	Entrepreneurship 521 Introd.uction to Business 701 Computers 521	Computers 621 Accounting 621 I.T. Essentials 801 Accounting 801 Office Management Technology 801
CAREER & TECHNOLOGY STUDIES APPRENTICESHIP	Child Studies 701 Graphic Arts Tech 701 Foods & Nutrition 421 Woodworking Technology 701 Career Explorations & Opportunities 401	Housing 621 Carpentry 701A, 801ABCDE Automotive Tec 701A, 801ABCDE Career Futures 801 Welding 701A, 801ABCDE, 802 Personal Development 801 Dramatic Arts 801 Furniture Design & Construc. 801 Transitions 602 Automotive Technology 802 Construction Technology 802 Hospitality & Tourism 801 Aircraft Maint 604/802X/802Y Creative Multimedia 801 Robotics 801	
COOP EDUCATION		Cooperative Ed 502	Cooperative Ed 602
FRENCH	French 421	French 521	French 621
FRENCH IMMERSION	French (F.I.) 421	French (F.I.) 521	French (F.I.) 621
MUSIC	Music Choral 421 Music Instrumental 421	Music 801X Music Instr. 521 Music Choral 521 Jazz Studies 521	Music Choral 621 Music Instr. 621 Jazz Studies 621
PHYSICAL EDUCATION	Physical Education 401	Physical Education 801 Leadership 621	
FAMILY LIVING	Family Living 421	Family Living 621	
PEER HELPER	Peer Helping 701		Peer Helping 801

COURSE SELECTION

You are about to make some very important decisions. Remember to follow these guidelines:

- (1) Get help from your subject teachers, home room teacher, and school counsellor;
- (2) Discuss your course selection with your parents/guardians;
- (3) Meet with subject teachers during time made available for course information sharing;
- (4) Make sure you know the level of course for which you qualify;
- (5) Keep future plans in mind as you select your courses, and be sure to read the page entitled, "Summary of Entrance Requirements for Maritime Post-Secondary Institutions";
- (6) Choose at least one course in English, mathematics, science and social studies each year;
- (7) Read carefully the course descriptions (beginning page 29);
- (8) Grade 10 students choose 8 credits, Grade 11 and 12 students choose at least 7 credits;
- (9) Remember to make any necessary changes in your course selection **prior to the end of this school year**. You must be prepared to attend the courses for which you register. **Do not assume you can change a course after June 2010. Make your selections carefully now to avoid disappointment in September and February!!**
- (10) Grade 12 students ... do not assume that you will be allowed to take a course in second semester that (a) you failed first semester; or (b) you wish to retake to obtain a higher mark.

REGISTRATION PROCEDURE

GRADE 10

Turn to the sample registration form for Grade 10 students on page 27. In section A, the various possible combinations of required courses are shown in the 9 blocks. You choose one block only.

In Section B, the various elective courses are listed. Choose the necessary credits from this section to make a total of 8 credits.

In Section C, teachers from your previous school will indicate your achievement in the core subject areas and recommend those courses they feel you are qualified to take in Grade 10.

In Section D, you, your school and your parents must approve the overall selection.

This sample form is for your use only -- an official registration form will be given to you by your home room teacher or counsellor.

GRADE 11 & 12

Turn to the sample registration form for Grade 11 and 12 students on page 28. The required courses are listed in the first four blocks. You must choose at least one course from each of these blocks giving a minimum of 4 credits. The remaining courses are considered as electives and are listed in the other blocks. Your electives may be chosen from these blocks or from courses not already selected in the first four blocks to make a total of 7 credits (minimum) or 8 credits (maximum).

This sample form is for your use only -- an official registration form will be given to you by your home room teacher or school counsellor.

COURSE CHANGES

Courses you register for are those you must be prepared to take. Requests for routine changes may be made up until the end of this school year. Only in very special cases will requests for course changes be approved in September or February. Make your selections carefully now to avoid disappointment in September! Students are responsible for initiating and following up on course changes. The steps to follow include:

- (1) Discuss the proposed change with the subject teacher of the course you wish to discontinue.
- (2) Pick up a course change form from the main office or Student Services.
- (3) Complete the form with the assistance of a school counsellor or subject teacher.
- (4) Have the subject teacher sign with relevant comments.
- (5) Discuss the change with a parent/guardian and obtain this signature with relevant comments.
- (6) Return form to Student Services.
- (7) Continue to follow your original schedule until you are notified of a change. You will receive a new schedule **if** the change is approved by administration.
- (8) You may not change into a course that is full.

ACADEMIC AWARDS ASSEMBLY

Each fall an Academic Awards Assembly is held to recognize the academic achievements of the Grade 11 and 12 students for their previous year's work. Certificates are given to students who obtained the highest mark in each Grade 10 and 11 course offered in that school year. Certificates are also given to each Honors student. To obtain Honors for Grade 10, the average of all eight Grade 10 courses must be 80% (79.5%) or higher. For Grade 11, the average of one Math mark, one English mark, the best Science mark, the best Social Studies mark and the next best two marks is calculated and must be 80% (79.5) or higher to obtain honors. If the seventh and/or eighth courses taken in Grade 11 improve the average, they are included. The students earning the top ten averages also receive special recognition.

SPECIFIC INFORMATION FOR GRADE 12 STUDENTS

1. COURSE MAKE-UP

If graduation requirements are not met due to failing one or two courses, a request to "make up" the unsatisfactory work can be made according to the following guidelines:

- (1) Make up is limited to two courses and is only permitted if the mark is 45% or higher;
- (2) The nature of the make up (exam, project, etc.) is to be decided by the subject teacher;
- (3) Make up for Semester I courses should be arranged at the beginning of Semester II;
- (4) Make up for Semester II courses must be arranged at the end of Semester II;
- (5) The highest yearly mark that may be obtained in a subject through the make-up program is 50%.
- (6) Supplemental exams from June are written in September.

2. **STUDENT RANKING**
for UNIVERSITY SCHOLARSHIPS

Each year, after first semester, all members of the graduating class who have an average of 85% or higher are ranked. This information is reported to each university scholarship committee by way of a confidential report when a student applies to have transcripts mailed to specific institutions.

3. **PRIZES - TROPHIES - AWARDS**

Any student eligible to graduate is automatically considered for prizes, trophies and awards listed (a) - (e) and (g), for which they qualify. Some scholarships and bursaries (f) require an application. Students who previously graduated are not eligible for such awards. The following is a general description of the various prizes, trophies and awards presented at graduation and the criteria for selection.

- (a) **Governor General's Medal** - This award is based upon criteria issued by the Government of Canada. It is given to the student in the graduating class with the highest average in all 500, 600, 700 & 800 level courses, regardless of the grade during which the course is attempted. Each student may have a different number of courses used for their average.

- (b) **Prizes for High Standing** - Three prizes for high academic standing will be presented, calculated according to the following criteria. These will be based on Grade 11 and 12 marks. Since academic standing is measured by high marks as well as program followed (i.e. Advanced, Academic, General, etc.), it follows that the person with the highest academic standing will be in the Advanced Program

- (b) and have the highest average over the Grade 11 and 12 years. The average is calculated by using the marks from each of the Grade 11 and 12 years in Advanced English, Advanced Mathematics and four other academic subjects. If a student is taking extra academic courses, these will be counted only if it improves the average. After that there will be a number of prizes for high academic standing given to the top students in the Academic, General and Practical program. These will be calculated by averaging the Grade 12 English and Mathematics marks along with the marks in four other subjects - again counting the extra subject(s) if it improves the average.
- (c) **Subject Prizes** - There will be at least one prize for each Grade 12 course offered at our school. The winner of each will be the graduate having the highest mark.
- (d) **Other Academic Prizes** - A variety of other prizes and awards are given to students who excel academically. There will be more information on these later in the year.
- (e) **Honor Diplomas** - These are awarded to students who meet the following minimum requirements: (1) Attain credit in Grade 12 English, Math, Science and Social Studies; 2. (a) Earn 6 grade 12 credits with a minimum mark of 75 % in each course during the Grade 12 year; and (b) Attain an average mark of 80% in the courses contributing to the 6 Grade 12 credits earned during the Grade 12 year.
- (f) **Scholarships and Bursaries** - These are available from post-secondary institutions and local organizations. In each case, students must apply to be considered. So please keep your eyes and ears open to ensure that no opportunity is missed. Local scholarship/bursary information will be made available to you in the second semester via a memo to Grade 12 home rooms and through the Student Services bulletin board. Information on scholarships from post-secondary institutions is included in their calendars.
- (g) **Extra-curricular Awards** - Only a few such awards are presented at Graduation as most are given out at the Awards Assembly, Band Banquet, Athletic Banquet and Graduation Banquet, all of which occur just prior to Graduation. These awards are selected by the staff.

SUMMARY OF ENTRANCE REQUIREMENTS for ATLANTIC CANADIAN POST-SECONDARY INSTITUTIONS

PLEASE READ CAREFULLY PRIOR TO SELECTING COURSES

Entrance requirements for Atlantic Canadian and other post-secondary institutions vary somewhat from high school graduation requirements. Graduation from high school does not guarantee admission to a post-secondary institution. Students who are considering some form of study beyond high school should consult university and college calendars in the Student Services Office to determine what courses to choose during high school in order to be eligible for the post-secondary institution of choice.

Most Atlantic Canadian universities require five Grade 12 (621 or 611) academic courses for admission with a minimum average of 70%. **Generally universities are requiring higher averages for admission** and for some programs with limited enrollment a still higher average is required. Most require that these five courses be taken in the student's final year of study (Grade 12). To be eligible for most universities, students should choose English, Mathematics, a Science (Chemistry, Biology or Physics), a Social Studies, plus one more acceptable academic elective. Students who plan to pursue studies in Science, Engineering, Forestry, Medicine, Dentistry, Pharmacy, Dental Hygiene, Radiology Technology, Lab Technology, Nursing, or Physiotherapy should include Chemistry and at least one of Physics and Biology. For most of these programs, it is to your advantage to take all three sciences. Students who plan to pursue studies in Engineering, Science or Mathematics related areas beyond high school are advised to select the Advanced Mathematics and Physics courses in Grades 11 and 12.

For admission purposes, some universities may accept only one of the following courses for their five required for admission ~ Accounting 621, Family Living 621, Music 621, Housing 621 or Physical Education 621.

Students are responsible for ensuring that their courses meet the entrance requirements for the various post-secondary institutions. Students are encouraged to make use of Students Services in order to help them in their decision making process.

Some technical schools will accept students graduating with General courses, but many will not. Students are advised to check well in advance as to what doors they are closing when they transfer from Academic to General courses.

ENTRANCE REQUIREMENTS (cont'd)

Each student must accept the responsibility of selecting appropriate courses in high school to allow them to follow post-secondary studies of their choice. **Remember ...** Courses you select now will have a strong bearing on avenues open to you beyond high school. Please make your decisions with care!

STUDENT SERVICES

Two school counsellors are available to help students in three main areas: personal, educational, vocational. Each counsellor may meet with students individually to discuss personal issues, school progress, post-secondary plans, course selection, and other issues. Assistance is also available by way of class presentations and group sessions dealing with topics of interest.

Other services offered by the Student Services Department are the following:

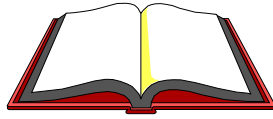
- (a) Orientation for incoming students
- (b) Assisting students and parents in course registration
- (c) Liaison with post-secondary institutions
- (d) Organizing Career Day and other career related activities
- (e) Maintaining a resource centre with educational and career information where students can gain information helpful in planning their future.
- (f) Providing Career Cruising - computerized career & occupational information.
- (g) Scholarship, student loan and bursary information
- (h) Assisting students with study skills
- (i) Referrals to Student Assistance Programs, Community Mental Health, and other local agencies.

These services are available to students, parents and teachers during regular school hours, and students are encouraged to take advantage of the services provided.

EPPY PROGRAM

The Educating Pregnant and/or Parenting Youth (EPPY) Program offers educational and emotional support to pregnant and/or parenting teens interested in completing high school. The teacher coordinator works together with the student, Student Services, administration, teachers, and health professionals to determine how best to meet the educational goals of the student.

JAMES WALLACE MACNEILL LEARNING CENTRE



The James Wallace MacNeill Learning Centre opens each school day at 8:15 am. Students are encouraged to make use of the many and varied resources available including newspapers, books, periodicals, CD-ROM's, online databases, and audio-visual materials.

Please visit the Learning Centre during the following times:

Monday	8:15 - 3:30
Tuesday	8:15 - 4:00
Wednesday	8:15 - 4:30
Thursday	8:15 - 4:00
Friday	8:30 - 3:30

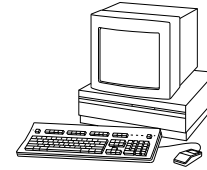
First year students are provided with orientation sessions on the following :

- (a) EBSCO Database
- (b) Reference Material - both print and non-print
- (c) Periodicals
- (d) Audio-visual Services
- (e) Internet Skills and acceptable use

Learning Centre staff members will be happy to assist with locating materials. Items not available at our centre can often be obtained through interlibrary loan.

It is hoped that students will find the James Wallace MacNeill Centre a pleasant and relaxing area for recreational reading as well as a useful area for studying and accessing information.

THREE OAKS TECHNOLOGY



Three Oaks promotes the integration of technology into the curriculum. E-mail, the Internet, computer assisted learning packages, and a growing number of other software packages available in the school are being incorporated into curriculum delivery by the Three Oaks staff.

Our Yearbook staff is making extensive use of desktop publishing software in the creation of The Enhancer. The TOSH Web Master is involved in the ongoing work of creating and maintaining a World Wide Web presence for the school (www.edu.pe.ca/threeoaks) and teachers are encouraging Internet research and the use of computer software for assignment presentations.

A major number of students have acquired computer access at home. Their new skills increase the demand for computer access and computer courses which reflect this extra-curricular skill development. Our computer network system encourages students to explore, research, learn and apply their skills/abilities in achieving both personal and academic goals.

Each student at Three Oaks has access to an account on the student computer network with access to e-mail, the Internet, Resource Centre search screens, as well as other computer assisted learning programs such as English Writing enhancement programs, and many other software programs. Application programs including word processing, spreadsheet, database, desktop publishing, personal/business finance and presentations software are readily available to our students.

A student accesses the above resources by signing an Acceptable Use Policy Agreement Form. If s/he is under age eighteen a parent/guardian must sign the Internet Acceptable Use Agreement form before the Internet software can be assigned to the student. At Three Oaks, unrestricted computer network access is considered a privilege to be retained through compliance with the terms of the Acceptable Use Policy.

Enrollment in computer and ITC classes provide the student with an understanding of the technology and the skills required to use technological tools effectively in his/her course work.

At Three Oaks students are encouraged to use and further develop their technology related skills. You do not have to be enrolled in computer courses in order to have access to specific software packages. Please feel free to discuss your specific need with your teachers or with the school's Site Technical Contact.

**TOSH
TECH
SOFTWARE**



- WordPerfect 12
- MS Word
- MS Excel
- Powerpoint
- Internet Browser
- Groupwise
- Career Cruising
- Ebsco
- Perfect Copy
- Paint Shop Pro
- CPIQ Database
- Typing Software

Encourage Technology

PROGRAM PLANNING SHEET

SUBJECT AREA	GRADE 10	GRADE 11	GRADE 12	TOTAL CREDITS
ENGLISH				
MATHEMATICS				
SCIENCE				
SOCIAL STUDIES				
	TOTAL CREDITS _____	TOTAL CREDITS _____	TOTAL CREDITS _____	GRAND TOTAL CREDITS _____

Guidelines for Registering Three Oaks - Grade 10 & 11

All staff and students should carefully read the course description hand book prior to registration.

1. All students will register in accordance with their present performance. For example, a student who has failed a subject may not opt to advance to the next year in that subject. He/She may have four choices:
 - (a) Repeat the same course.
 - (b) Choose a similar course at the same grade but at a lesser level of difficulty.
 - (c) Choose a similar course at the next grade but at a lesser level of difficulty (Refer to general guidelines on following page).
 - (d) Discontinue study in the subject if it is not compulsory.
2. If a student's standing changes in June, he/she will be permitted to re-register at that time.
3. Present Grade 10 students who obtain four or more credits will become Grade 11 students. All present Grade 11 students who are eligible to graduate in June 2010, will become Grade 12 students. Those who are NOT eligible to graduate will be Grade 11 students for 2010-2011 school year.
4. All Three Oaks students are encouraged to register for one course in English, Mathematics, Science and Social Studies. Students registering for Grade 10 must register for 8 credits. Students registering for Grade 11 must register for 7 or 8 credits. Students registering for Grade 12 must register for 7 or 8 credits. No student should register for three Mathematics courses in one year. Students in their 4th year at Three Oaks will see Mrs. Jacqueline Reeves.
5. Universities require five solid academic subjects (middle digit of 1 or 2). Students who are eligible to register for Advanced courses are encouraged to do so. Students are advised to refer to page 19 in the handbook for advice in selecting the proper academic courses. Additional academic courses (beyond the 5 required for admission) will be to the student's advantage.

General Guidelines for Changing Course Levels

A student who attains a mark of 50% in a subject will be permitted to take the same subject at the next grade and at the same level. Note, there are a number of courses that highly recommend a minimum 60% average. These prerequisites indicate that previous success in this area is essential to future success in a higher level course. However, students who have not attained an average of 50% may register according to the following general guidelines subject to school approval.

1. A student who has a mark below 35% in a subject may **NOT** take the same subject at a lower level in a higher grade.
2. A student who has a mark of 35% to 49% in a subject may request to take the same subject at a lower level in a higher grade. **This does not apply to English courses.**
EXAMPLE: Ancient History 421, mark of 42% - he/she may be permitted to take Canadian Law 531. Of course, he/she would not get credit for Ancient History 421.
3. A student who wishes to choose an academic course at the grade 10 level after successful completion of a general course may request to do so provided he/she has: (a) an average of 80% or more at the general level or (b) school permission
4. A student who wishes to change levels must have approval from his/her subject teacher. (See sample form below).

COURSE LEVEL CHANGE
SPECIAL REQUEST

- A. Name of Student _____ Date _____
Course Requested (2010-2011) _____
Reason _____
- B. Subject Teacher - Please indicate your approval only if you feel supportive of the request.
APPROVAL DISAPPROVAL REQUEST CONSULTATION
_____ (Subject Teacher)
- C. Home Room Teacher - Please do not submit any registration form that includes a request for change in level or any other request for courses for which a student does not normally qualify unless this form is attached.

COURSE DESCRIPTIONS

This section of the handbook contains a brief description of each of the courses offered at Three Oaks.

This description includes an outline of content covered as well as credit value, level of difficulty and prerequisite courses required.

Prerequisite courses mean those courses that must be successfully completed before the course in question is taken. Only with special agreement may a course be taken without the prerequisite.

These descriptions are brief due to space limitations in this booklet. If you wish more detail as to the content covered or the method of instruction used in the course, please talk to a teacher who teaches it

ENGLISH

The general curriculum outcomes are the foundation for all English language arts curriculum guides. They identify what students are expected to know and be able to do upon completion of study in English language arts. It is important to recognize that the following language processes are interrelated and can be developed most effectively as interdependent processes.

Speaking & Listening

Students will be expected to speak, listen, to explore, extend, clarify, and reflect on their thoughts, ideas, feelings, and experiences. Students will be expected to communicate information and ideas effectively and clearly, and to respond personally and critically. Students will be expected to interact with sensitivity and respect, considering the situation, audience, and purpose.

Reading & Viewing

Students will be expected to select, read, and view with understanding a range of literature, information, media, and visual texts. Students will be expected to interpret, select, and combine information using a variety of strategies, resources, and technologies. Students will be expected to respond critically to a range of texts, applying their understanding of language, form, and genre.

Writing & Representing ~ Students will be expected to use writing and other forms of representation to explore, clarify, and reflect on their thoughts, feelings, experiences, and learnings; and to use their imaginations. Students will be expected to create texts collaboratively and independently, using a variety of forms for a range of audiences and purposes. Students will be expected to use strategies to develop effective writing and other ways of representing and to enhance their clarity, precision, and effectiveness.

The purpose of the English program at Three Oaks is to concentrate upon the general curriculum outcomes listed above. The content of the literature program includes fiction, non-fiction, poetry and drama and seeks to increase the student's awareness and appreciation of literature and literary craftsmanship. In the Writing program, the student is expected to develop greater facility in personal, creative and formal expository writing. The degree of proficiency in each of the above areas will depend on the level of the English course in which a student is enrolled. The teaching methodology is based on the belief that learning is an active process of making meaning from new information and applying prior knowledge and experience to this information. A student must be an active participant in his/her own learning.

ENGLISH 421 - First year - Academic - 1 credit

PROVINCIAL CODE - ENG421A

DESCRIPTION - LITERATURE ... This is a required course in literature for students who have demonstrated success with the English program at the intermediate level & English 421X. The focus of this course is fiction. The literature segment, which includes short stories, novels, and a Shakespearean play, will focus on a variety of communication skills ~ speaking, listening, viewing, researching, and writing. Students will respond to literature in various forms, ranging from response journals to critical analyses.

WRITING ... The composition segment of this course will focus on the writing process and will emphasize such topics as brainstorming, researching, organizing, writing, revising, and may include small group peer editing. The overall goal is to enable students to write a unified, coherent composition on a number of subjects for selected audiences. They will write in a variety of forms for various purposes. Students will be expected to apply the writing strategies taught in English 421X.

PREREQUISITE - Intermediate School English (Regular Program). Students selecting this course ***must*** also register for English 421X.

ENGLISH 421X - First year - Academic - 1 credit

PROVINCIAL CODE - WRT421X

DESCRIPTION - This English course is intended to improve the power and fluency of students' writing. Through the use of the writing process, students become familiar with techniques for acquiring the content and focus for a piece of writing, for giving and securing feedback which results in improvements at the revision stage, and for editing and polishing so that the finished piece meets the standards of the intended audience. To achieve this standard, the study of grammar is recognized as an essential part of effective and fluent written expression. Writing assignments in the course provide for both transactional (information centered) and poetic (creative or imaginative) writing. The assignments are based on recognized forms for writing, including several essay forms. The format for formal essay writing, using the model outlined in the student agenda book, is stressed. Students must then translate these skills in the writing of their own persuasive essay. For each assignment, students have considerable latitude to choose the topics, point of view, and personae. However, many pieces of writing are edited and polished so that they conform to generally accepted standards. Oral presentations are a compulsory component of this course.

PREREQUISITE - Intermediate School English (Regular Program). Students selecting this course *must* also register for English 421.

ENGLISH 431 - First Year - General - 1 credit

PROVINCIAL CODE - ENG431A

DESCRIPTION - This course has been designed to aid those students who have difficulty dealing with the regular academic demands. Emphasis is placed on four different areas. The Writing component deals with correction of common sentence errors and the writing of a variety of types of effective sentences. Topics covered include the correct use of basic punctuation, correcting common sentence problems, vocabulary and spelling work, and the improved use of words commonly confused. The writing of an 8-10 sentence paragraph is a key objective. The **Reading** component as applied to short stories, poems and at least two novels, stresses such comprehension as reading for detail, main idea, plot, recognizing conflict and analyzing characters. Summarizing, skimming and previewing are encouraged along with reading for enjoyment. Oral reading by teacher and students along with silent reading is stressed. The **Speaking** component examines the more effective use of reading aloud clearly and effectively before a group. Informal group discussion to exchange ideas and opinions is used where appropriate.

ENGLISH 431 (cont'd)

DESCRIPTION - The **Listening/Viewing** component allows the student to improve listening skills by recognizing the barriers to listening, learning to listen for main ideas, for summary purposes, to ask relevant questions, to take notes and to anticipate. The **Representing** component - Students will be expected to use a variety of ways of representing to explore, clarify and reflect on their thoughts, feelings, experiences and learning; and to use their imaginations.

PREREQUISITE - Teacher Recommendation.

ENGLISH 451 - First Year - Practical - 1 credit

PROVINCIAL CODE - ENG451A

DESCRIPTION - This Grade 10 course emphasizes basic competencies in language arts. Many of the reading materials provided for the program are relatively simple while dealing with topics likely to be of interest to the students. The reading and writing requirements are intended to develop and broaden students' interest in literature, and in self expression. The skill areas of reading, writing, speaking, listening/viewing, and representing are stressed.

PREREQUISITE - Intermediate School Recommendation. Students selecting this course **must** also register for English Life Skills 551.

COMMUNICATIONS 801A - Second or Third Year - 1 credit

PROVINCIAL CODE - COM801A

DESCRIPTION - This course presents an opportunity for students to learn more about themselves by improving their communication skills. The course focuses on the following skills: team building; information technology, visual literacy, reading, listening, speaking, and writing skills with emphasis on business and personal response writing. Because this course stresses individual and group collaboration, it prepares students to realize their potential as they pursue work, school, and their own personal interests.

NOTE: Communications 801 fulfills a fourth language graduation requirement.

PREREQUISITE - Grade 10 English.

ENGLISH MEDIA 531 - First or Second Year - General - 1 credit

PROVINCIAL CODE - MED531A

DESCRIPTION - This English course provides insight into the communication process and for the study of the mass media: television, radio, newspapers, movies, the Web, advertising, entertainment, recordings, mass media and society. Students learn the appropriate terminology to describe, discuss and compare the main features of the various forms of media. In addition, project work helps to develop an understanding of how media are used and produced. Computer based learning is an integral part of the program.

PREREQUISITE - Teacher Recommendation.

ENGLISH 511 - Second Year - Enriched - 1 credit

PROVINCIAL CODE - ENG511X

DESCRIPTION - This Enriched English course is offered only to mature students who have good study habits, above average reading and writing ability, and marks consistently above 85%. **All candidates must be approved by the English Department** in consultation with the guidance counsellors and school administration.

LITERATURE ... The course will use texts from the four genres in the 521 English program, and an additional Shakespearean play. Students will complete a variety of assignments based on the literature as well as a major literary research assignment. A heavy emphasis will be placed on the analysis of the studied material. Oral presentations, group work, and the ability to work independently are key components of this course.

PREREQUISITE - Teacher Recommendation & a mark of 85%+ in English 421.

ENGLISH 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - ENG521A

DESCRIPTION - *LITERATURE* - The literature has been chosen to encourage the student's oral and, in particular, written response in each of the four genres: poetry, short stories, drama, novels with the study of poetry being the focus. Students will read books which include contemporary books, both fiction and non-fiction, and a Shakespearean play. Students will also read at least one assigned novel.

WRITING - The composition section is designed to promote critical thinking skills. Analysis of the various literary genres will be stressed. A formal research paper must be written.

PREREQUISITE - English 421.

ENGLISH 521 WRITING - Second Year - Academic - 1 credit

PROVINCIAL CODE - WRT521A

DESCRIPTION: This optional English course is intended to improve the power and fluency of students' writing. Through the use of the writing process, students become familiar with techniques for acquiring the content and focus for a piece of writing, for giving and securing feedback which results in improvements at the revision stage, and for editing and publishing so that the finished piece meets the standards of the intended audience. Writing assignments in the course provide for both transactional (information centered) and poetic (creative or imaginative) writing. The assignments are based on recognized forms for writing, including description, exposition, narration, and persuasion. For each assignment, students have considerable latitude to choose a topic, consider the point of view, and purpose. Grammar, mechanics, and usage are an integral component of this course so many pieces of writing are edited and polished to conform to generally accepted standards. ***NOTE:*** This is an ELECTIVE course. It does not count as one of the 4 English credits for graduation. Students must APPLY to get into this course.

PREREQUISITE - English 421X

ENGLISH 531 - Second Year - General - 1 credit

PROVINCIAL CODE - ENG531A

DESCRIPTION - This course will help students link the real world to their world. Opportunities exist for students to work independently and cooperatively on speaking and listening skills, to apply the writing process to a variety of forms for a variety of purposes such as to explain, to state an opinion, to relate an incident, to describe a situation, and to make personal and critical judgments. Emphasis on visual communication and media literacy will enable students to critically reflect on its presence in their lives as well as afford them an opportunity to be creative in their own viewing and representing models.

PREREQUISITE - English 431.

ENGLISH 551 - Second Year - Practical - 1 credit

PROVINCIAL CODE - ENG551A

DESCRIPTION - This course for Grade 11 students emphasizes basic competencies in language arts. Most of the reading material provided for the program is at student appropriate reading level while dealing with topics likely to be of interest to the students. Writing activities stress straight-forward responses and correct mechanics. The reading and writing requirements are intended to develop and broaden students' interest in literature and in self expression. Also emphasized are the forms and practices likely to be helpful in meeting society's day to day demands for reading and writing.

PREREQUISITE - English 451 or Teacher Recommendation.

ENGLISH 611 - Third Year - Enriched - 1 credit

PROVINCIAL CODE - ENG611X

DESCRIPTION - This Advanced English course at the Grade 12 level is offered only to highly mature students who have excellent study habits, high reading levels, well developed writing styles and marks consistently of 85% or above. Students for this class **must be approved by the English department**. Students will examine some of the material covered in English 621, but will also read additional literature with more of a historical and literary focus. A key component of the course is the compilation of a genre portfolio reflecting a theme or subject and incorporating selections from different literary eras. Students will also study the evolution of the tragic hero by examining several plays from the Greek, Shakespearean, and Modern era. The critical analysis of literature and developing an effective personal writing style are stressed. A seminar approach and oral presentations are included in the learning process along with opportunities to use creative talents. The ability to work independently is essential for success in this course.

PREREQUISITE - English 511 or high standing in English 521 and teacher approval.

ADVANCED PLACEMENT ENGLISH 611AP - Third Year - Enriched - 1 credit

PROVINCIAL CODE -

DESCRIPTION - Advanced Placement (AP) courses are first year University level courses that expand upon existing specialized curricular courses. AP courses are challenging and stimulating, and require an even greater commitment of time and effort from students. In return, the AP courses offer greater opportunity for intellectual challenge, individual progress and accomplishment. The AP English course content will largely reflect that of the Advanced English 611, with greater emphasis on the following areas: the literary essay, literary and rhetorical terms, higher level multiple choice testing, time management, an extended reading list, and additional assignments and/or projects. Students will be required to spend additional time outside of the structured school day in order to complete the curriculum by May. In May of each school year, the students are also given the opportunity to write the College Boards Advanced Placement Examination. Those students who receive an exam mark of 3, 4, or 5 (out of 5) will earn a University Credit or an Advanced Standing at various universities and colleges across Canada and the United States. There is a nominal fee of approximately \$100 paid by the Western School Board, the Prince Edward Department of Education, and Early Childhood Development. This will allow successful students to save tuition and textbook expenses for that course at University. This course also fulfills the provincial requirement for an English core credit at the grade 12 level.

ADVANCED PLACEMENT ENGLISH (cont'd) - These courses are designed for the highly motivated student with an excellent work ethic. Individuals can benefit from taking AP courses by learning a subject in greater depth, developing skills that will be critically important to successful study in college, and demonstrating to colleges and universities their willingness to undertake a challenging course.

PREREQUISITE: Students should have an average of 85% or higher in the English 511 (or teacher approval) to qualify to take the AP courses.

ENGLISH 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - ENG621A

DESCRIPTION - This is a compulsory credit for all academic students. The focus of this course is on non-fiction. The Grade 12 curriculum focuses on a variety of fiction, non-fiction, drama and poetry with a view to a general appreciation of social and political issues. Students will be encouraged to read at least two independent novels which include contemporary novels, both fiction and non-fiction, a Canadian novel, classical literature, or award-winning literature. Considerable emphasis is placed on examining the tragic hero as evolved through the study of Greek, Shakespearean and modern drama. Students must do one formal researched or literary debate. The debate will focus on persuasive techniques, rhetorical devices and the elements of argument. Students will produce a variety of types of writing, such as persuasive and literary essays often complemented by oral presentations. Student-centered activities such as group discussions and resource-based projects are also encouraged. Evaluation will include a number of assessment strategies which test process as well as content. **NOTE:** A minimum mark of 65% is required for most university and community college entrance.

PREREQUISITE - English 521 or English 511. A minimum mark of 60% in English 521 is recommended.

ENGLISH 631 - Third Year - General - 1 credit

PROVINCIAL CODE - ENG631A

DESCRIPTION - This is a compulsory credit for all general English students. This course provides a good program in high school English but is not considered to be a college preparatory course. As in English 431 and 531, the language arts approach is used, putting emphasis not only on reading and writing but also on speaking, listening and viewing skills. Priority is given to teaching the process of writing.

ENGLISH 631 (cont'd) - The course stresses reading for enjoyment as well as for detail and main idea in relation to both fiction and non-fiction. Emphasis is also placed on improving sentence structure and writing short essays as well as letters of application and resumes. Students are asked to read aloud, participate in small and large group discussions, take part in interviews and exhibit good listening/viewing skills in relation to T.V., radio and film. The new resources will reinforce the curriculum with emphasis on the six strands of speaking and listening, reading and viewing, and writing and representing.

PREREQUISITE - English 531.

ENGLISH 651 - Second Year - Practical - 1 credit

PROVINCIAL CODE - ENG651A

DESCRIPTION - This course for Grade 12 students emphasizes basic competencies in language arts. Most of the reading material provided for the program is at student appropriate reading level while dealing with topics likely to be of interest to the students. Writing activities stress straight-forward responses and correct mechanics. The reading and writing requirements are intended to develop and broaden students' interest in literature and in self expression. Also emphasized are the forms and practices likely to be helpful in meeting society's day by day demands for reading and writing. Students are asked to distinguish among different parts of newspapers and their different purposes and audiences.

PREREQUISITE - English 551 or Teacher Recommendation.

E A L

English As An Additional Language

Three Oaks offers EAL courses to students who are acquiring the English language. The intent of these courses is to assist students who require support in English language fluency and comprehension to achieve English language proficiency, which is required for success in school and in the community. These EAL courses are based on the introductory, intermediate and high intermediate/advanced levels of English language proficiency, and concentrate on the four interrelated strands of the English language: reading, writing, listening and speaking. These EAL courses run in succession to one another. Students will be placed into the appropriate level and strand(s) according to their English language proficiency level. The completion of the high-intermediate/advanced level in EAL is highly recommended for all EAL learners to meet the curriculum outcomes in other secondary studies. Depending on the numbers of EAL learners registered, levels and strands may be combined to form a multi-level classroom.

EAL701A - English As An Additional Language (Beginning/Introductory Level)

PROVINCIAL CODE - EAL701A

DESCRIPTION - This beginning/introductory course will be offered to students who already speak at least one other language, or who come from a home in which another language is used. This course will support students' progression of English language proficiency, which is required for success in school and the community. It will be highly recommended to students whose English language proficiency level in listening and speaking is assessed at the beginning/introductory level. This course intends to provide students with ample opportunities to listen and speak in English, while developing their English language fluency, accuracy and comprehension. Although the four strands of language (listening, speaking, reading and writing) are interrelated, the main emphasis of this course is on listening and speaking. Students will be recommended to take 701B the same semester as 701A, where possible, as both courses compliment each other.

PREREQUISIE -

EAL701B - English As An Additional Language (Beginning/Introductory Level)

PROVINCIAL CODE - EAL701B

DESCRIPTION - This beginning/introductory course will be offered to students who already speak at least one other language, or who come from a home in which another language is used. This course will support students' development of English language proficiency, which is required for success in school and the community. It will be highly recommended to students whose English language proficiency level in reading and writing is assessed at the beginning/introductory level. This course intends to provide students with ample opportunities to read and write in English, while developing their reading writing strategies, comprehension, response and analysis. Although the four strands of language (listening, speaking, reading and writing) are interrelated, the main emphasis of this course is on reading and writing. Students will be recommended to take 701A the same semester as 701B, where possible, as both courses compliment one another. Students who have successfully met the outcomes in 701A and 701B will be highly recommended to take 701C.

PREREQUISITE -

EAL701C - English As An Additional Language (Intermediate Level)

PROVINCIAL CODE - EAL701C

DESCRIPTION - This course will be offered to students who already speak at least one other language, or who come from a home in which another language is used. This course will support students' further development of English language proficiency, which is required for success in school and the community. It will be highly recommended to students whose English language proficiency level in listening, speaking, reading and writing is assessed at the intermediate level, or for those who have taken EAL 701A and 701B. This course provides students with ample opportunities to listen, speak, read and write in English. The emphasis of this course is on the four interrelated strands: listening, speaking, reading and writing. It is recommended that students who successfully complete 701C will then take EAL 701D to further progress in their English language proficiency.

PREREQUISITE - EAL 701A and EAL 701B

EAL701D - English As An Additional Language (High-Intermediate /Advanced)

PROVINCIAL CODE - EAL701D

DESCRIPTION - This course will be offered to students who already speak at least one other language, or who come from a home in which another language is used. This course will support students' further development and progression of English language proficiency, which is required for success in school and the community. It will be highly recommended to students whose English language proficiency level in listening, speaking, reading and writing is assessed at the high-intermediate level, or for students who have taken EAL 701C. This course provides students with ample opportunities to listen, speak, read and write in English. The emphasis of this course is on the four interrelated strands: listening, speaking, reading and writing) are interrelated, the main emphasis of this course is on reading and writing. It will be highly recommended that students successfully complete EAL 701D before taking English 421A or English 431A.

PREREQUISITE - EAL 701C

MATHEMATICS

All Academic Math students are required to have a scientific calculator.

MATHEMATICS 421 (ALGEBRA) - First Year - Academic - 1 credit

PROVINCIAL CODE - MAT421A

DESCRIPTION - This is an introductory academic high school mathematics course which is a prerequisite for all other academic mathematics courses. Included are such topics as: Sequences and Series, Polynomials, Relations and Functions, Coordinate Geometry, Trigonometry, and Data Management.

PREREQUISITE - Students have a good background in Grade 9 Mathematics.

MATHEMATICS 421 (ALGEBRA) - Full year - Academic - 1 credit

PROVINCIAL CODE - MAT421AF

DESCRIPTION - This course is designed to help students who have experienced difficulty with Mathematics in Intermediate School. This course begins with a review of important prerequisite topics and then continues with the same topics described above in Mathematics 421. This course allows time for more practice and review and is intended to give students a solid foundation for future mathematics courses. It must be noted, however, that students receive only 1 credit although the course takes two semesters to complete. NOTE: If a passing grade of 50% is not achieved in January, the student must register for Math 431 in Semester 2.

PREREQUISITE - Recommendation from Intermediate School Math Dept. (Gr. 9). Limited Enrollment.

PRE-ADVANCED PLACEMENT 421 AP - First Year - Academic - 1 credit

PROVINCIAL CODE -

DESCRIPTION - This is an accelerated math class that is the first prerequisite for all other Advance Placement math courses. It is designed to cover all topics from math421 and some topics from Advanced Placement studies. Students enrolled in this course will be expected to attend scheduled math labs outside of regular class time, have exceptional study skills, and be able to work effectively as an individual or as part of a group. Mathematical concepts to be covered include: Real Numbers, Sequences and Series, Polynomials, Relations and Functions, Coordinate Geometry, Trigonometry, Data Management (probability and statistics), and Solving Systems of Linear Equations.

PREREQUISITE - Recommendation from Intermediate School Math Department. It is expected that students have a exceptional success in Grade 9 Mathematics.

MATHEMATICS 431 - First Year - General - 1 credit

PROVINCIAL CODE - MAT431A

DESCRIPTION - This is an introductory high school mathematics course which demonstrates how to use mathematics in everyday life. Combined with the Grade 11 Mathematics course, MAT 531A and the Grade 12 Mathematics course, Math 801, this course may meet requirements to enter some community college programs. It includes topics that prepare students to enter the work force directly from high school, such as: Wages, Salaries, and Expenses; Personal Banking; Consumer Decisions; Geometry and Trigonometry; and Sampling and Probability.

PREREQUISITE - Recommendation from Intermediate School Math Dept. (Gr. 9).

MATHEMATICS 451 - First Year - Practical - 1 credit

PROVINCIAL CODE - MAT451A

DESCRIPTION - This course is intended for students who have considerable difficulty with Mathematics. The course begins with a review of basic skills and operations with whole number and decimals but emphasizes math on the job and in life. Students will cover applications in such areas as supermarkets, shopping, restaurants, banks, pay, sports math, budgets and measurement.

PREREQUISITE - Intermediate School Math (Gr 9) or recommendation from Intermediate School Math Dept. **NOTE:** Course offered only if sufficient numbers.

MATHEMATICS 521 (ALGEBRA) - Second Year - Academic - 1 credit

PROVINCIAL CODE - MAT521A

DESCRIPTION - This is an extension of Mathematics 421 (Algebra). This course includes solving systems of linear equations, quadratic functions, trigonometry, consumerism, and matrices and networks.

PREREQUISITE - Mathematics 421. It is highly recommended that a mark of at least 60% be obtained in Mathematics 421 before taking Mathematics 521 (Algebra).

MATHEMATICS 521 - Second Year, Second Semester, Enriched Academic, 1 credit

PROVINCIAL CODE - MAT521B

DESCRIPTION - This elective is an extension of MAT521A and is designed to enrich a student's mathematics foundation. It is a prerequisite for students who intend to take Physics or Calculus. Topics will include radicals, linear inequalities and programming, rational expressions, equations and inequalities, reasoning and geometry.

PREREQUISITE - MAT521A. A minimum mark of 60% is required, but it is highly recommended that a mark above 70% in MAT521A before taking MAT521B.

PRE-ADVANCED PLACEMENT MATHEMATICS 521AP - Second Year -

PROVINCIAL CODE -

- Academic - 1 credit

DESCRIPTION - This is an accelerated math class that is a prerequisite for future Advanced Placement math courses and is to be taken in the second semester of your first year. It is a continuation of Math421AP and will cover all Math 52A topics plus some topics from Advanced Placement studies. Students enrolled in this course will be expected to attend scheduled math labs outside of regular class time, have exceptional study skills, and be able to work effectively as an individual or as part of a group. Mathematical concepts to be covered include: Consumerism (project work), Matrices and Networks, Rational Expressions, Radicals, Quadratic Functions and Quadratic Equations, Solving Polynomial Equations.

PREREQUISITE - Recommendation from Pre-Advanced Placement 10 teacher. It is expected that students have exceptional success in Grade 10 Mathematics.

**PRE-ADVANCED PLACEMENT MATHEMATICS 521B-AP - Second Year -
PROVINCIAL CODE -**

- Academic - 1 credit

DESCRIPTION - This is an accelerated math class that is a prerequisite for future Advanced Placement math courses. It covers all topics from Math 521B plus additional topics from Advanced Placement studies. Students enrolled in this course will be expected to attend scheduled math labs outside of regular class time, have exceptional study skills, and work independently or as part of a group. Topics will include: equations and inequalities, linear programming, logic and reasoning, exponents and logarithms, sequences and series. Project is yet to be determined.

PREREQUISITE - Recommendation from Pre-Advanced Placement 11A teacher. It is expected that students have a mark of at least 70% to continue in the AP stream.

MATHEMATICS 531 - Second Year - General - 1 credit

PROVINCIAL CODE - MAT531A

DESCRIPTION - This grade 11 high school mathematics course is a follow-up to Mat 431A. It continues to demonstrate how to use mathematics in everyday life. Combined with next year's grade 12 mathematics course, MAT 631A, it may meet requirements to enter some community college programs. It includes topics that prepare students to enter the work force directly from high school, such as: Earning and Spending Money, Data Analysis, Owning a Vehicle, Measurement, Relations and Formulas, Probability, Income Tax, and Preparing a Business Plan.

PREREQUISITE - Mathematics 431 and/or approval of Math Department.

MATHEMATICS 551 - Second Year - Practical - 1 credit

PROVINCIAL CODE - MAT551A

DESCRIPTION - This course emphasizes the concepts and skills associated with comprehending and using mathematics on a day-to-day basis. Included are the mathematics associated with utility bills, food buying, transportation, operations with all numbers. In addition, the course includes interpreting charts, tables, graphs, rate schedules, measurement, banking and on-the-job Math.

PREREQUISITE - Mathematics 451 or Teacher Recommendation.

CALCULUS 611 - Third Year - Enriched - 1 credit

PROVINCIAL CODE - MAT611B

DESCRIPTION - This course is designed for students planning to enter university business or science programs. The topics covered are: Advanced Trigonometry; Complex Numbers and Polar Coordinates; Functions, Continuity and Limits; Derivatives and Applications; and Integration.

PREREQUISITE - Mathematics 521B and 621B. Students must achieve a mark above 60% in those courses.

MATHEMATICS 621A (ALGEBRA) - Third Year - Academic - 1 credit

PROVINCIAL CODE - MAT621A

DESCRIPTION - This course is designed for Arts oriented students who do not intend to take Physics or Calculus in high school or further advanced math courses in a post-secondary program. Topics include transformations, exponents and logarithms, trigonometric functions, geometric series and sequence, combinatorics and probability, and statistics. Understanding concepts and their applications is the focus on this course.

PREREQUISITE - Mathematics 521A. It is highly recommended that a mark of 60% be obtained in Mathematics 521A to be successful in Mathematics 621A.

Note: Students take Math 621A or Math 621B, NOT BOTH.

MATHEMATICS 621B (ALGEBRA) - Third Year - Enriched - 1 credit

PROVINCIAL CODE - MAT621B

DESCRIPTION - This course is designed for students who enjoy math and intend to take Physics or Calculus in grade 12 and/or they may wish to pursue further Math or Calculus courses in a post-secondary program. Topics will include an indepth study of transformations, exponential and logarithm functions, sequence and series, trigonometric functions, conics sections, and probability and statistics. Topics are covered quickly in this course with more of a science/technical orientation in the applications of the topics.

PREREQUISITE - MAT521B. It is strongly recommended that a mark above 60% be obtained in MAT521B for the student to be successful in MAT621B.

Note: Students take Math 621A or Math 621B, NOT BOTH.

APPLIED MATHEMATICS 801 - Third Year - General - 1 credit

PROVINCIAL CODE - MAT 801A

DESCRIPTION - This course, also called Trades Math, emphasizes essential mathematical skills that are used in various trades-related careers. Students are involved with a variety of hands-on activities directly to mathematics and trade-related courses. The units of study include the following: Unit 1 Mathematical Essentials; Unit 2 Construction/Housing; Unit 3 Electrical; Unit 4 Spatial Sense; Unit 5 Fabrication.

PREREQUISITE - Math 421 or Math 431. Strongly recommend Math 531 or Math 521A

MATHEMATICS 651 - Third Year - Practical - 1 credit

PROVINCIAL CODE - MAT651A

DESCRIPTION - This course emphasizes the concepts and skills associated with comprehending and using mathematics on a day-to-day basis. Topics covered include personal budgeting and managing personal finances, bank loans in simple interest. Considerable time is also spent on graphical analysis of real-life situations and interpretation of information by means of statistics.

PREREQUISITE - Mathematics 551 or Teacher Recommendation.

SCIENCE

BIOTECHNOLOGY CERTIFICATE

Upon graduation, students who have fulfilled the following requirements will be awarded a Biotechnology Certificate. The recipients of this certificate will have sufficiently demonstrated a keen interest in the growing fields of biotechnology and health sciences. These students are fully prepared to enter various programs of post-secondary study.

ACADEMIC REQUIREMENTS:

Social Studies:

Global Issues 621 - Whenever possible and at the discretion of the instructor, students will do projects which relate to topics in the field of health sciences or biotechnology which are also considered a global issue. This may involve article reviews, presentations, research papers.

English:

English 521 & English 621 - Whenever possible and at the discretion of the instructor, students will do projects which relate to topics in the field of health sciences or biotechnology. This may involve article reviews, presentations, research papers, persuasive essays.

Math:

Math 521A & Math 621- Academic Math is the minimum requirement for this certificate.

Sciences:

Biology 521 & 621, Chemistry 521 & 621, Physics 521- A strong background in science is mandatory for this certificate. Whenever possible and at the discretion of the instructor, students will do projects which relate to topics in the field of health sciences or biotechnology. This may involve article reviews, presentations, research papers.

Copies of these projects are to be given to the Science Dept. Head.

EXTRA-CURRICULAR REQUIREMENTS:

Students will be required to take part in the Biotech Challenge and/or Science Fair with a project relating to Health Sciences or Biotechnology. In addition, these students may be required to attend field trips to hospitals, UPEI, Holland College, NRC, Food and Technology Centre, Federal Department of Agriculture, private companies... in order to view the work and/or research occurring in the laboratories of these organizations. This will open the students to the possibilities in the area of Health Science and Biotechnology as well as gain some insight to the research and development process, current technologies and equipment, and a general understanding of this ever-growing field.

PRE-ADVANCED PLACEMENT SCIENCE 421A - First Year - Academic - 1 credit
PROVINCIAL CODE - SCI421A

DESCRIPTION - This is an accelerated Science class that is the first prerequisite for all other advanced placement science courses. It is designed to cover all topics from Science 421 which include ecosystems, chemical reactions, the physics of motion, and weather dynamics as well as an introduction to scientific concepts, measurements, accuracy, conversion and dimensional analysis. This course will have a more indepth laboratory component than Science 421. It will focus on developing proper laboratory techniques, enhancing critical thinking and reasoning skills that are important for future advanced level science courses.

PREREQUISITE - Recommendation from Intermediate School Science Dept. It is expected that students have exceptional success in Grade 9 Science and Math.

SCIENCE 421 - First Year - Academic - 1 credit

PROVINCIAL CODE - SCI421A

DESCRIPTION - The focus of this course is to present the following topics at an introductory level: ecosystems, chemical reactions, motion, and weather dynamics. Lab work in this course includes experiments on topics covered in class, as an introduction to 521 level sciences.

PREREQUISITE - Intermediate school science (regular program). Students selecting this program *must* also select Mathematics 421.

SCIENCE 421 F.I. - First Year - Academic - 1 credit

PROVINCIAL CODE -SCI421F

Le cours de sciences naturelles est un cours académique conçu et développé par le ministère de l'Éducation en collaboration avec le personnel enseignant et en utilisant le *Cadre commun des résultats d'apprentissage en sciences de la nature M-12*. C'est l'équivalent au cours 421A offert en anglais. Ce cours vise à : - développer chez l'élève une compréhension des principes scientifiques qui transcendent et relient les sciences de la nature; - fournir à l'élève des occasions d'acquérir des connaissances et de continuer à développer des habiletés et des attitudes, qui contribuent à son développement personnel, dans un contexte STSE (sciences, technologie, société et environnement); - aider l'élève à prendre des décisions éclairées. Les thèmes traités dans ce cours sont : La durabilité des écosystèmes; Les réactions chimiques; Le mouvement; La dynamique des phénomènes météorologiques.

PRÉREQUIS - Ne peut choisir Science 421 F & Science 421.

SCIENCE 431 - First Year - Transitions - 1 credit

PROVINCIAL CODE - SCI431A

DESCRIPTION - This recently updated course introduces students to four areas of study: sustainability of ecosystems, chemical reactions, motion, and weather dynamics. Lab and field work complement classroom work.

PREREQUISITE - Intermediate School Recommendation.

SCIENCE 451 - First Year - Practical - 1 credit

PROVINCIAL CODE - SCI451A

DESCRIPTION - This is an introductory science course offering topics in Biology, Physics and earth Science with a reduced reading requirement. The course is designed for those students who are unable to cope with either the Academic or the General Science courses offered at the high school level.

PREREQUISITE - Intermediate School Recommendation.

SCIENCE 701 - First or Second Year - Open - 1 credit

PROVINCIAL CODE - SCI701A

DESCRIPTION - Applied Science 701A is a physical science course that develops student scientific and technological knowledge and skills through the use of technology and robotics design and construction. The course is a balance of theory, design and experimental activities that uses the process of inquiry, problem solving and decision making. There are 4 modules containing project based units that have students working in teams to: learn science and engineering concepts, visualize and create a digital prototype using computer software, assemble a working robot, and conduct in-class challenges which require an engineering notebook and class presentations. Much of the work completed in this course is team based.

PREREQUISITE - None

HUMAN BIOLOGY 801 - Second or Third Year - Open - 1 credit

PROVINCIAL CODE - BIO801A

DESCRIPTION - This course is designed to introduce students to the structure, function, and inter-relation of the various systems in the human body that are required to maintain homeostasis. Topics including Nutrition, Embryonic Development, and Genetics are also explicitly addressed. Biology 801A will provide students with the opportunity to develop knowledge, skills, and science-technology-society-environment connections concerning the functioning of their body. In addition, students will hopefully develop positive attitudes towards, and an appreciation for, the life sciences..

PREREQUISITE - Grade 10 Science credit.

AGRISCIENCE - ANIMAL FARM 801 - 2nd & 3rd Year - Open -1 credit

PROVINCIAL CODE - AGS801A

DESCRIPTION - This course consists of a survey of the following topics: Animal nutrition, animal health, genetics and reproduction, small animal care, dairy and livestock management, marketing animal products and the food industry. The student will be required to do projects related to sections of the course.

PREREQUISITE - Grade 10 Science credit. This course will be offered during 2009-10, but will be not offered during the 2010-11 school year.

ANIMAL SCIENCE - CROP-SOIL 801 - 2nd & 3rd Year - Open -1 credit

PROVINCIAL CODE -AGR801A

DESCRIPTION - This course consists of a survey of the following topics: plant structures, plant physiology, plant reproduction, water and soil, hydroponics, vegetable production, field crop production, forage and pasture management, home gardening, fruit and nut production, indoor plants, trees and shrubs and forestry. The student will be required to do projects related to sections of the course.

PREREQUISITE - Grade 10 Science credit. This course will not be offered during 2009-10 but will be offered during the 2010-11 school year.

SCIENCE 551 - Second Year - Practical - 1 credit

PROVINCIAL CODE - SCI551A

DESCRIPTION - This course is the sequel to Science 451. The content is drawn from Biology, Chemistry, Physics and Earth science with a reduced reading requirement. The course is designed for those students who are unable to cope with either the Academic or the General Science courses offered at the high school level.

PREREQUISITE - Teacher Recommendation.

BIOLOGY 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - BIO521A

This is the first science course in which the focus is entirely on the life sciences. Biology 521A will provide students with the opportunity to increase their scientific literacy by developing foundational knowledge and skills as well as the opportunity to make connections between the life sciences, technology, society, and the environment. The units of study include: 1.Cell Parts & Functions & Energy for Life; 2. Maintaining Dynamic Equilibrium I (systems: Circulatory, Respiratory, Digestive, Excretory, Immune); 3. Biodiversity. Students will be required to have a complete dissection kit.

PREREQUISITE - Science 421

PRE-ADVANCED PLACEMENT BIOLOGY 521 - Second Year - Academic - 1 credit
PROVINCIAL CODE -

DESCRIPTION - This course intended to provide an enrichment opportunity for self-motivated, independent learners with a genuine interest in the life sciences who wish to pursue advanced studies in biology. The course is intended to be taken sequentially with the 621 AP Biology course. Topics of study will include all content areas from the regular 521 Biology course, but material will be covered at a faster pace and in greater depth. Additional topics will also be covered, including: Structure and Function of Plants and Animals (life cycles; structural, physiological, and behavioral adaptations and responses to environmental changes); Ecology (population dynamics; communities and ecosystems; global issues); Regulation of Cellular Activity (structure and function of enzymes; regulation of enzyme-catalyzed reactions; coupled reactions and cellular energetics). Increased emphasis will be placed on lab investigations, including independent research projects.

PREREQUISITE -

BIOLOGY 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - BIO621A

DESCRIPTION - This is the second science course in which the focus is entirely on the life sciences. Biology 621A builds upon, in part, the knowledge and skills obtained from BIO521A and will provide students with the opportunity to increase their scientific literacy by continuing to develop foundational knowledge and skills as well as the opportunity to make connections between the life sciences, technology, society, and the environment. The units of study include: 1. Maintaining Dynamic Equilibrium II (systems: Nervous, Endocrine); 2. Reproduction and Development; 3. Genetic Continuity; 4. Evolution, Change and Diversity. Students will be required to have a complete dissection kit.

PREREQUISITE - Biology 521. A mark of at least 65% is highly recommended.

ADVANCED PLACEMENT BIOLOGY 621AP - Academic - 1 credit

PROVINCIAL CODE -

DESCRIPTION - AP Biology is an advanced level biology course for students who plan to pursue post-secondary studies in sciences, especially those planning to continue with further studies in the field of biology. The course builds on the knowledge and skills obtained through Biology 521 and Chemistry 521, and should only be taken by students who have successfully completed both of these courses. AP Biology is designed to be the equivalent of a two-semester college introductory biology course. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

The course is divided into three general areas: Molecules and cells (25%); Heredity & Evolution (25%); Organisms and Populations (50%). There will be significant lab work involved, and students will be provided with the opportunity to perform some open-ended investigations. Upon completion of the course, students may opt to write an AP exam which is recognized at many universities; successful completion of the exam may result in students being awarded an introductory biology credit, allowing them to take upper level biology courses in their first year. Students will attend Biology 621-AP *every second day*, for the full year, and there will be significant requirements for out-of-class work, including lab work, research, and independent study. Success in this course will require a significant commitment on the part of the student.

PREREQUISITE - Biology 521 (minimum mark of 80%) and Chemistry 521 (minimum mark of 80%), and teacher recommendation.

OCEANOGRAPHY 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - OCN621A

DESCRIPTION - The study of oceanography provides an excellent example of integrated and applied fields of study. Students will become familiar with current and past scientific ideas from Biology, Chemistry, Geology, Physics & Meteorology as they relate to the ocean environment. Oceanography concerns itself with the study of the waters of the ocean and the solid earth beneath. It will cover the study of structure and function of the marine eco-system. Students will become actively involved in experimental and field work relating to P.E.I.'s marine system. Some topics covered include history of early oceanic travels, tides, currents, fish, animals, plankton, beach profiles, salt water analysis, navigational principles and ocean floor characteristics. This course is offered in the First Semester to allow for field trips.

PREREQUISITE - A mark of at least 60% in 521 Science courses is highly recommended.

CHEMISTRY 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - CHM521A

DESCRIPTION - This is the first science course in which the focus is entirely on the attitudes, skills, knowledge, and STSE connections involving chemistry. Chemistry 521A builds upon the knowledge and skills found in the unit called *Chemical Reactions* in Science 421A. The units of study in Chemistry 521 include: Unit 1 - Stoichiometry; Unit 2 - From Structure to Properties; Unit 3 - Organic Chemistry. Chemistry 521A provides the quantitative foundation as well as the chemical structure and properties required for the future study of chemistry.

PREREQUISITE - Science 421 & Mathematics 421. A mark of 65% or more in the Chemistry component of Science 421 is highly recommended. Students enrolled in Chemistry *must* also be enrolled in Academic Mathematics.

PRE-ADVANCED CHEMISTRY 521A - Second Year - Academic - 1 credit

PROVINCIAL CODE - CHM521A

DESCRIPTION - This is an accelerated Chemistry class that is designed to continue and build upon the Pre-Advanced Science 421 course, as well as prepare students for Advanced Placement Chemistry 621. The units of study include an indepth look at Stoichiometry, From Structure to Properties and Organic Chemistry. This course will go beyond the Chemistry 521 outcomes and introduce students to the gas laws and nuclear chemistry. There will be extra tutorials and lab time that may be required outside the regular classroom hours.

PREREQUISITE - Science 421 and Math 421. It is highly recommended that students have achieved a mark of at least 80% in the Pre-Advanced Placement Science 421 course. Students enrolled in Chemistry must also be enrolled in Academic Mathematics.

CHEMISTRY 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - CHM621A

DESCRIPTION - This is the second course in which the focus is entirely on the attitudes, skills, knowledge, science and technology connections involving chemistry. Chemistry 521A provides the foundation for the units of study in Chemistry 621A. The units of study in Chemistry 621A include: Unit 1 - Thermochemistry; Unit 2 - From Solutions to Kinetics to Equilibrium; Unit 2 - Acids and Bases; Unit 4 - Electrochemistry.

PREREQUISITE - Chemistry 521. It is highly recommended that a mark of at least 65% be obtained in Chemistry 521 before taking Chemistry 621.

PHYSICS 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - PHY521A

DESCRIPTION - Physics is the science which explains how ordinary things work. Did you ever wonder why light bends? How an electric motor works? Or why a satellite stays in orbit? Physics will give you the answers. This science gave the modern world its machines, its transportation and communication systems, and its space vehicles. The topics covered in Grade 11 Physics will introduce students to motion, Newton's Laws, momentum, work, energy, waves, sound and light. A good mathematical foundation is an asset as many of the concepts in Physics are linked to Math. The course will involve students solving, manipulating, and deriving formulas. This course will include demonstrations and experimentations related to the topics covered.

PREREQUISITE -Science 421 & Mathematics 421. (It is recommended that students have a mark of at least 65%.) Students must also be enrolled in Mathematics 521.

PHYSICS 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - PHY621A

DESCRIPTION - Physics 521 provides the foundation for the units of study in Physics 621A. Topics related to kinematics and dynamics in Physics 621A will include two-dimensional analysis. The second term will focus on electricity with topics including static, current, circuits and electromagnetic induction. Success in this course requires good mathematical and mechanical reasoning abilities.

PREREQUISITE - Physics 521. (A mark of at least 65% is recommended.) Students must also be enrolled in Mathematics 621. Math 521B would be an asset.

ENVIRONMENTAL STUDIES 701 - First or Second Year - Open - 1 credit

PROVINCIAL CODE - ENV701X

DESCRIPTION - This course will introduce students to some of the major issues facing the environment. Some topics will include: Ecosystems, air, water, land, energy, waste disposal, climate change, global warming, farming practices, forestry, orienteering, personal responsibilities, renewable energy sources, bio-diversity and ethics. Videos, lectures, assignments, projects, group work, discussions, field trips, presentations, guest speakers, etc., will be used during the semester. Where possible, students will become aware of the employment opportunities available in this field.

PREREQUISITE - None.

ENVIRONMENTAL SCIENCE 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - SCI621A

DESCRIPTION - Environmental Science 621A seeks to promote an appreciation and understanding of the environment and sustainable development. Some topics will include: ecological principles, human population and carrying capacity, natural resources, environmental challenges and successes, world views, ethics, and sustainability. Course content is flexible to allow teachers and students to take advantage of selecting local topics or areas of special interest. A significant portion of the course is dedicated to project based learning where critical thinking, problem-solving, and decision-making skills will be developed in the process of examining and analyzing environmental issues. With guidance and teacher-directed models, students will learn to follow a scientific inquiry process within their own investigations of environmental issues.

PREREQUISITE -

SCIENCE 651 - Third Year - Practical - 1 credit

PROVINCIAL CODE - SCI651A

DESCRIPTION - This course is the sequel to Science 451. The content is drawn from Biology, Chemistry, Physics and Earth Science with a reduced reading requirement. The course is designed for those students who are unable to cope with either the Academic or the General Science courses offered at the high school.

PREREQUISITE - Science 551 or Teacher Recommendation.

SOCIAL STUDIES

ANCIENT & MEDIEVAL HISTORY 421 - First Year - Academic - 1 credit

PROVINCIAL CODE - HIS421A

DESCRIPTION - This course is an introduction to the formal study of history beginning with pre-history and ending in the sixteenth century A.D. Emphasis is placed on early person, the dawn of civilization (what made civilized people different from pre-historic people), with reference to the four river civilizations: Egypt, Mesopotamia, India, and China, the cultural achievements of the Greeks and Romans, Medieval Europe, the Renaissance and the Reformation. Emphasis is also placed on the development of the world's major religions. Research skills, the writing of historical essays and biographies are also stressed. Students must have strong reading skills and study habits.

PREREQUISITE - Intermediate School Social Studies (Regular Program).

NOTE: Students registering for this course should also be in Academic English.

LE CANADA DANS LE MONDE D'AUJOURD'HUI (F.I.) 421 - First Year -
Academic - 1 credit

PROVINCIAL CODE - HIS421G

DESCRIPTION - Ceci est un cours d'études canadiennes qui étudie certaines des grandes questions contemporaines qui concernent le Canada de nos jours, ainsi que la place et le rôle du Canada sur la scène internationale. En sensibilisant l'élève à la complexité des réalités de son pays, ce cours vise à le/la préparer à devenir un citoyen plus critique et mieux informé(e). Les thèmes à l'étude sont la citoyenneté canadienne, le multiculturalisme, les relations entre francophones et anglophones au Canada, les relations entre les Etats-Unis et le Canada, la politique étrangère canadienne, le rôle du Canada sur la scène mondiale de 1900 jusqu'à nos jours, et les liens qui existent entre le Canada et les pays en voie de développement.

PREREQUISITE - Programme d'immersion au niveau intermédiaire.

CANADIAN STUDIES 401 - First Year - Open - 1 credit

PROVINCIAL CODE - CAS401

DESCRIPTION - This course examines Canadian geography, history, government, arts and entertainment, sports and recreation. This course explores the unique landscape, cultures and history of each region to enable students to become more informed citizens. This course also examines significant Canadians, past and present, as well as issues involving Canada today.

PREREQUISITE - Intermediate School Recommendation

SOCIAL STUDIES 451 - First Year - Practical - 1 credit

PROVINCIAL CODE - SOC451A

DESCRIPTION - This course centers on the study of Canadian Geography, current issues (Canada and the World), citizenship, youth law, and where deemed appropriate, a module on Life Skills. Various teaching techniques such as guest speakers, use of daily newspapers, field trips, videos, quiz games like “Jeopardy” or “Talk About”, can add fun and reinforce knowledge and skills in the course.

PREREQUISITE - Intermediate School Recommendation

GEOGRAPHY OF CANADA 421 - First Year - Academic - 1 credit

PROVINCIAL CODE - GEO421A

DESCRIPTION - This is a course designed to follow the Maritime Studies program recently included in Junior High school social studies. The course is intended to broaden the students' knowledge from that of the local region to that of the entire country. Canada is the second-largest nation in the world. It houses the richest resource base including abundant free water. It is a nation with a bright future. Canada is a land of diversity, of spectacular landforms, climate, resources, traditions and people. Units of study include: a) physical diversity; b) Canada's resources; c) cultural diversity; d) Urban Canada; and e) Canada and the World. As you continue in the course, you will actively participate in step-by-step exercises that will teach you new concepts and skills. Skills developed include: a) map and globe skills; b) problem-solving techniques; c) statistical presentations; and d) reading, writing, analysing and interpreting skills.

PREREQUISITE - Intermediate School Social Studies (Regular Program)

MODERN WORLD SURVEY 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - HIS521A

DESCRIPTION - DESCRIPTION - This is a survey course of modern world history. It is designed to develop an awareness of how Western Civilizations' cultural patterns evolved from the end of the Middle Ages to the 20th century. Key historical events are approached from a global viewpoint. The following are some of the topics that are covered: The Age of Absolutism, the Enlightenment, the Growth of Democracy and the Rise of the Constitutional Monarchy in England, the American Revolution, the French Revolution, the Napoleonic Era, the Congress of Vienna, Ideology and Government Forms in various countries, World War One, the Russian Revolution, World War Two, and the Cold War. Oral, creative, and written assignments and presentations play an integral part in this course

PREREQUISITE - Ancient History 421 or Teacher approval.

GLOBAL STUDIES 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - GEO521A

DESCRIPTION - This course investigates the study of geography, its methods and tools, and the application of geographic inquiry practices in making sense of the world around us. Students will explore patterns that exist in the natural world linking land, oceans, natural resources, and climates, and human activity. Because of the inherent interplay between people and place, current issues are an integral part of the Global Studies course although the emphasis is on physical geography concepts. The course is organized into three units of study: Geographic Methods, Physical Patterns, and Cultural Patterns. A *Global Classroom Initiative* component of the course provides a unique PEI - Kenya link during the final unit of the course.

PREREQUISITE - Canadian Geography 421 or teacher approval.

CANADIAN LAW 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - LAW521A

DESCRIPTION - This course provides an introduction to many of the key concepts associated with Canadian Law. Legal terminology and concepts are covered and supported in a variety of ways, including: reading and analysis of real life cases, major court decisions, and newspapers. Course content is made relevant through use of video clips, field trips and guest speakers. Students can also explore different law-related career options. There are project-based learning opportunities in which students can learn about topics of interest that are otherwise not covered in class. Topics that are covered in class include: Foundations of Canadian Law, Government and Statute Law, the Canadian Charter of Rights and freedoms and Human Rights in Canada, legal defences and many aspects of criminal law.

PREREQUISITE - An academic Grade 10 Social Studies credit.

DROIT CANADIEN (F.I.) 521 (CANADIAN LAW) - 2nd Year - Academic - 1 crédit
PROVINCIAL CODE - LAW521F

DESCRIPTION - Le cours d'introduction a pour but d'amener l'élève à acquérir les connaissances et à développer les habiletés qui lui permettront de comprendre ses droits et ses devoirs en vertu de la loi.

Ce cours permettra d'atteindre les objectifs suivants:

- (a) Trouver des renseignements pour résoudre un problème d'ordre légal
- (b) Comprendre ce qui constitue le droit et saisir la structure du Système Judiciaire
- (c) Reconnaître les domaines du droit, les Juridictions fédérale, provinciale, municipale
- (d) Acquérir davantage de confiance en soi et de maturité en connaissant ses droits.

PRÉREQUIS - Un cours de Sciences Humaines de la 10ième année.

CANADIAN LAW 531 - Second Year - General - 1 credit

PROVINCIAL CODE - LAW531A

DESCRIPTION - This course is similar to Law 521 in that it provides an introduction to many of the same concepts associated with Canadian Law. Legal terminology and concepts are covered and supported in a variety of ways, including: reading and analysis of real life cases, major court decisions, and newspapers. Course content is made relevant through use of video clips, field trips and guest speakers. Students can also explore different law-related career options. There are project-based learning opportunities in which students can learn about topics of interest that are otherwise not covered in class. Topics that are covered in class include: Foundations of Canadian Law, Government and Statute Law, the Canadian Charter of Rights and freedoms and Human Rights in Canada, legal defences and many aspects of criminal law.

PREREQUISITE - Grade 10 General Social Studies.

SOCIAL STUDIES 551/651 - Second Year - Practical - 1 credit

PROVINCIAL CODE - SOC551A

DESCRIPTION - This course has been designed to meet the needs of Grade 11 students who have difficulty with the Academic or General programs. The program centers on the story of 20th Century Canadian History, the structure and functions of government, current issues (Canada and the World), adult law and, where deemed appropriate, a module on Life Skills. Instruction will include group work, library work, visual aids, along with a small amount of lecturing.

PREREQUISITE - Teacher Recommendation.

SOCIAL STUDIES 551/651 - Second Year - Practical - 1 credit

PROVINCIAL CODE - SOC551A

DESCRIPTION - This course has been designed to meet the needs of Grade 11 students who have difficulty with the Academic or General programs. The program centers on the story of 20th Century Canadian History, the structure and functions of government, current issues (Canada and the World), adult law and, where deemed appropriate, a module on Life Skills. Instruction will include group work, library work, visual aids, along with a small amount of lecturing.

PREREQUISITE - Teacher Recommendation.

ECONOMICS 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - ECO621A

DESCRIPTION - This is an introductory course to the world of economics. The material studied will center on how national economies operate and will specifically zero in on the Canadian system. Sample topics for this course include: the workings of the Market Place, the role of the forces of supply and demand in price setting and production output, inflation, depression, the role of the Bank of Canada, business organizations, the Stock Market, collective bargaining and strikes, the role of government in our economy, the goals of our economic system, comparisons of international economics, international trade, and how world political events influence economics. The course is designed to give the student an understanding of the workings of the economy in which he/she lives and will hopefully enable him/her to understand why the economy behaves like it does. Assignments will include case studies, readings, problems, essays and role-playing activities such as contract negotiations.

PREREQUISITE - A Grade 11 Academic Social Studies credit

SOCIOLOGIE (F.I.) 621 - Third Year - Academic - 1 crédit

PROVINCIAL CODE - SOC621F

DESCRIPTION - Ce cours, intitulé Individu en société, est une introduction aux sciences humaines de la sociologie, la psychologie et l'anthropologie. Quelques sujets abordés pendant le semestre seront: les grands scientifiques, les besoins de la personne, la socialisation, la personnalité et la culture. Divers projets et activités seront aussi des éléments - clés de ce cours.

PRÉREQUIS - Un cours de Sciences Humaines de la 11^e année.

CANADIAN HISTORY 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - HIS621A

DESCRIPTION - Understanding our Canadian heritage is the objective of this course. History 621 is a survey study of Canadian social, economic and political development from the earliest times to the present. Throughout the course students will be expected to use and further enhance their historical research and reporting skills. Lectures, team study, creative use of curriculum, and audio-visual presentations will form the basis of instruction. Topics that are covered in class include: The First North Americans, Canada Under the French Regime, The British Conquest, The Loyalists, The Great Migration, The War of 1812, Canada's Role in World War One and Two and in more recent international conflicts. Upon successful completion of this course, students will have a broad understanding of significant people and events in their country's history.

PREREQUISITE - A Grade 11 Academic Social Studies credit.

POLITICAL STUDIES 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - POL621A

Description - Students will examine political ideologies and the democratic and non-democratic forms of government. In addition, attention will be given to major economic systems including private enterprise, the centrally planned economy, and the mixed economy. Using case studies, we shall examine related topics, among which are presidential and parliamentary democracy, authoritarian government, voting behaviour, the media, political protest, and political and economic equality. This course requires a significant amount of reading. Students are expected to keep up to date on current political and economic events. Classroom discussion and debate are encouraged. Assignments include both individual and group projects and allow students a degree of choice.

PREREQUISITE - A Grade 11 Academic Social Studies credit

GLOBAL ISSUES 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - GEO621A

DESCRIPTION - This course is geographic in nature but its focus is on world problems that are current in the news today. Students begin by exploring the concept of "global issue" and the reasons for becoming involved in the identification and remedies of particular problems. The course is designed to offer opportunity for students to set their own exploratory directions within a number of themes and to participate in an active citizenship project within class. This course specifically explores units in human population, gap between world's rich & poor countries, environmental issues, and geopolitical issues. Students should also be aware of the required on-line component (A-tutor) of the course.

PREREQUISITE - A Grade 11 Academic Social Studies credit.

GLOBAL STUDIES 631 - Third Year - General - 1 credit

PROVINCIAL CODE - GEO631A

DESCRIPTION - This elective course is designed so students can understand the global community. The units of study will include: map and globe skills, global climate conditions, and world, regional studies, and cultural and current events. Lecturing, group work and research projects will form the basis of instruction.

PREREQUISITE - A Grade 11 General Social Studies credit.

SOCIAL STUDIES 651 - Third Year - Practical - 1 credit

PROVINCIAL CODE - SOC651A

DESCRIPTION - This course has been designed to meet the needs of Grade 12 students who have difficulty with the academic or general programs. The program content is drawn from a number of social science disciplines, with an overview of the geography, history and society of North America.

PREREQUISITE - Social Studies 551 or Teacher Recommendation.

FRENCH

FRENCH 421 - First Year - Academic - 1 credit

PROVINCIAL CODE - FRE421A

DESCRIPTION - In this course, all of the four skills in second language learning (listening, speaking, reading and writing) will be developed with major emphasis being placed on the listening and speaking skills in communicative situations. En Direct will be used. Active participation in class will be required on a daily basis. ***Students must have a French-English dictionary.***

PREREQUISITE - Intermediate School French.

FRENCH 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - FRE521A

DESCRIPTION - In this course, all of the four skills in second language learning (listening, speaking, reading and writing) will be developed with major emphasis being placed on listening and speaking skills in communicative situations. En Direct 1 and 2 will be used as primary resources for learning grammar and writing. Various activities will enforce listening and speaking skills. Active participation in class will be required on a daily basis. ***Students must have a French-English dictionary.***

PREREQUISITE - French 421A.

FRENCH 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - FRE621A

DESCRIPTION - In this course all of the four skills in second language learning (listening, speaking, reading and writing) will be developed with major emphasis being placed on the listening and speaking skills in communicative situations. En Direct 2 will be used as a primary resource for learning grammar and writing. Listening and speaking will be practiced through various activities. Daily active participation in class is required.

PREREQUISITE - French 521. ***Students must have a French-English dictionary.***

FRENCH IMMERSION 421 - First Year - Academic - 1 credit

PROVINCIAL CODE - FRE421F

DESCRIPTION - Ce cours au niveau de la 10^e année, a pour but d'améliorer chez l'élève la capacité de comprendre et de produire divers types de discours et de textes afin qu'il puisse répondre à ses besoins de communication personnelle et sociale en français. Aussi, une place importante sera accordée à la littérature.

PRÉREQUIS - Programme d'immersion au niveau intermédiaire. ***Les étudiants doivent avoir un dictionnaire français-anglais. Students must have a French-English dictionary & a Bescherelle (dictionary of French verbs).***

FRENCH IMMERSION 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - FRE521F

DESCRIPTION - Ce cours poursuit le même but que FRE 421F. L'élève apprendra divers éléments de grammaire qu'il pourra appliquer à son écriture, à sa lecture et à sa communication orale. Une place importante sera accordée à la littérature.

PRÉREQUIS - French Immersion 421. ***Les étudiants doivent avoir un dictionnaire français-anglais. Students must have a French-English dictionary & a Bescherelle (dictionary of French verbs).***

FRENCH IMMERSION 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - FRE621F

DESCRIPTION - Ce cours poursuit le même but que FRE 521F. Les unités d'étude seront: Le racisme, Guerre et Paix, Le monde des affaires, Image de son propre avenir. Aussi, une place importante sera accordée à la littérature.

PRÉREQUIS - French Immersion 521. ***Les étudiants doivent avoir un dictionnaire français-anglais. Students must have a French-English dictionary & a Bescherelle (dictionary of French verbs).***

BUSINESS EDUCATION

INTRODUCTION TO BUSINESS 701 - First or Second Year -1 credit

PROVINCIAL CODE - BUS701A

DESCRIPTION - This course is designed for students who are interested in the components of business and the skills necessary to work in the business world. The course will involve introductions in the following areas: functions of business, economic systems, types of governments, money and banking, basic accounting, business and law, marketing, consumerism, credit and finance, and careers in business.

PREREQUISITE - None.

ACCOUNTING 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - ACC621A

DESCRIPTION - This is a course in Basic Accounting. Students will study the complete accounting cycle for a service business and merchandising business. This course includes an introduction to a computerized accounting system - Simply Accounting. Topics to be covered include: balance sheets, income statements, journals, ledgers, trial balances and worksheets.

PREREQUISITE - None

ACCOUNTING 801 - Second or Third Year - Open - 1 credit

PROVINCIAL CODE - ACC801A

DESCRIPTION - This course is an introduction to accounting and accounting related careers. Students will complete the accounting cycle for a service business and then complete simulations of work done in an accounting office that involve accounting, banking, and current business office technology. This course differs from Accounting 621 in workload and the types of journals used.

PREREQUISITE - None.

ENTREPRENEURSHIP 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - ENT521A

DESCRIPTION - This is a course designed to introduce students to the steps involved in starting and operating a successful business. The course will include an analysis of the skills and interests that each student has to contribute towards operating a business.

Topics covered in the course include: why start a business, interpersonal relationships in business, planning a business, marketing, advertising, financing, basic accounting and financial ledgers, and copyright laws. Each student will be responsible for establishing contacts with the business community, presenting reports and developing his/her own business plan. Guest speakers, video presentations and group projects will be frequently used in the course.

PREREQUISITE - An interest in Business.

OFFICE MANAGEMENT TECHNOLOGY 801 - 2nd or 3rd Year - Open - 1 credit
PROVINCIAL CODE - (OMT801A)

DESCRIPTION - Technology continues to expand the role of the office professional as automation changes the way in which businesses function. From a one-person office to large organizations, there is need for individuals with a variety of computer skills, human relations skills, teamwork capabilities, and analytical thinking skills who can contribute to the effectiveness of their organization. Topics in the Office Management Technology course include workplace expectations and ethics, office procedures, word processing and keyboarding enhancement, business communications, time management, telephone procedures, business correspondence, records management and reprographics. Employability skills and career exploration activities are embedded throughout the course Information Technology Communication (ITC401A)

PREREQUISITE - ITC 401.

COMPUTER STUDIES

INFORMATION TECHNOLOGY & COMMUNICATIONS 401 - First Year - Open
PROVINCIAL CODE - ITC401A - 1 credit

DESCRIPTION - ITC401A will provide foundational computer technology experiences. In this course students have the opportunity to enhance skills in the following: (1) keyboarding; (2) word processing; (3) desktop publishing; (4) visual presentations; (5) spreadsheet and graphing; (6) computer literacy/operating systems; (7) effective internet and e-mail usage. The above skills are essential for computer integration across the curriculum, computer literacy and for participation in the workplace. Proper keyboarding skills help to reduce injury and strain as a result of increased use of computer technology.

PREREQUISITE - None.

INTRODUCTORY COMPUTER STUDIES 521 - Second Year - Academic - 1 credit
PROVINCIAL CODE - CMP521A

DESCRIPTION - This is an academic level Computer Science course designed to give students an understanding of the computer and its effect upon society. The focus of this course is to develop problem solving skills with various software applications and programming. The following computer areas are addressed: database management, HTML coding and Cascading Style Sheets (CSS), computer literacy related to the course content (i.e.: computer systems, societal implications, career awareness, etc.), and programming (problem solving in BASIC and manipulating virtual 3D objects using ALICE). This is an introductory level course.

PREREQUISITE - None.

IT ESSENTIALS 801 - Second & Third Year - Open - 1 credit

PROVINCIAL CODE - ITE801A

DESCRIPTION - The CISCO “IT Essentials: PC Hardware and Software” Networking Academy curriculum is used for this course. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system and troubleshoot using system tools and diagnostic software. Further topics include connecting to the Internet, sharing network resources, configuring wireless connectivity, maintaining laptops and portable devices, examining security, safety and developing communication skills. Students participate in hands-on activities and lab-based learning to become familiar with various hardware and software components and discover best practices in maintenance and safety. This curriculum aligns to Comp TIA A+ Essentials industry certification preparing students for entry level careers in field service technician, bench technician, help desk support and computer sales representative occupations. This course will have entrance recognition at Holland College with the curriculum designed to link to post secondary opportunities in the study of Computer Engineering Technology and Computer Information Systems. They will transfer credit to students who successfully complete the ITE801A course with an overall average of 70%.

PREREQUISITE - No previous technical skills or knowledge.

COMPUTER STUDIES 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - CMP621A

DESCRIPTION - This course is a continuation of the CMP521A course with special emphasis on the acquisition of problem solving, critical thinking, and independent learning skills. The syllabus of this course focuses on programming and dynamic web site publishing. Students will be required, through major projects, to demonstrate the attainment of the specific curriculum outcomes of this course. An above average standing in mathematics and the successful completion of the CMP521 course are highly recommended for this course.

PREREQUISITE - Computers 421 or Computers 521.



MUSIC



The complete music program, consisting of three years of music, has two main objectives: (1) to allow students the opportunity to study music for the enrichment of their own lives; (2) to reach a level of competence in theory and practical skills in order to permit a student to continue post-secondary music studies. All music courses include instrumental and theory and are aimed at producing proficiency in: technique, sight reading, rudiments and performance. Students are provided with an opportunity to develop their individual skills and to participate in small ensemble, concert band and jazz band. **In order to participate in the various bands students must enroll in one instrumental music course per year.**

MUSIC - INSTRUMENTAL 421 - First Year - Academic - 1 credit

PROVINCIAL CODE - MUS421A

DESCRIPTION - This course is designed for the student who has an intermediate school music background and is a general outlook on the basic principles of music. It includes theory and history of music as well as instruction in a particular aspect of instrumental music. Students will be taken through a more advanced playing schedule to further their ability on the instrument they have been playing. The theory aspect of the course will include such basic musical skills as: what notes are, rests, rhythm, metre, scales and interval study.

PREREQUISITE - Intermediate School Instrumental Music.

MUSIC - INSTRUMENTAL 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - MUS521A

DESCRIPTION - This course is a continuation of Music Instrumental 421. Students will progress to a higher level of theory and instrumental playing. The theory aspect will take the student into transposition of music and chordal harmony. The study of music history and listening will continue. Depending on class size and instrumentation, soloists and chamber music ensembles will perform in class.

PREREQUISITE - Music - Instrumental 421.

MUSIC - INSTRUMENTAL 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - MUS621A

DESCRIPTION - This course is a continuation of Music Instrumental 521. Third year music students will at this point go on to more theory. The theory in this final year will be designed to allow students to write and/or arrange compositions. Students will be taught chordal progression in music, harmony, and orchestration. A research paper and class presentation on a historical topic may also be included. Students will be expected to achieve a high level of technical and musical ability on their own instrument. Students will also have the opportunity to perform solo and small ensemble repertoire.

PREREQUISITE - Music - Instrumental 521.

CHORAL MUSIC 421 - First Year - Academic - 1 credit

PROVINCIAL CODE - MUS421B

DESCRIPTION - This course is designed for the student who has an interest in choral music. It includes theory and history of choral music as well as instruction to choral methods. Students will practice reading through solfege. They will relate these elements to each other and to singing encountered through performance. Listening skills will be developed as instruction in materials of choral music will be offered. Students will learn proper vocal care and maintenance. They will be exposed to a variety of choral singing genres including classic, vocal jazz, gospel, and show choirs.

PREREQUISITE -

CHORAL MUSIC 521 - Second Year - Academic - 1 credit

PROVINCIAL CODE - MUS521B

DESCRIPTION - This course is a continuation of Choral Music 421B. Students will progress to a higher level of theory and singing. The theory aspect will include choral music composition, sight singing, and solfege. Students will be introduced to conducting techniques. They will continue to study choral music history and listening.

PREREQUISITE - MUS421B

CHORAL MUSIC 621 - Third Year - Academic - 1 credit

PROVINCIAL CODE - MUS621B

DESCRIPTION - This course is a continuation of Choral Music 521B. The theory aspect will include advanced choral music composition, form/analysis, sight singing, and solfege. A project paper will be included on an aspect of the history of choral music. Students will be expected to achieve a high level of technique, interpretation, and ability in choral music. Students will have the opportunity for solo performance within the choral group.

PREREQUISITE - MUS521B

JAZZ STUDIES 521 & 621 - Second or Third Year - Academic - 1 credit

PROVINCIAL CODE - MUS521X / 621X

DESCRIPTION - This course is designed as an introduction to the various styles of Jazz. Music ranging in styles from blues, dixieland, swing, be-bop, cool jazz and modern jazz will be studied. The class will consist of practical, historical and theoretical studies of jazz. Depending on numbers, students will play in a large ensemble as well as combos. An improvisation segment will be included to allow students the opportunity to apply their theoretical knowledge to the exploration of jazz improvisation. The music of various jazz legends will be studied.

PREREQUISITE - Music 421 and/or Instructor's permission.

STYLES OF POPULAR MUSIC 801A - Second or Third Year - Open - 1 credit

PROVINCIAL CODE - MUS801A

DESCRIPTION - This course will cover the major styles of rock and roll from the 1950's to the present. The course will basically follow the history of rock and roll beginning with rhythm and blues, country and western, and progressing through to today's popular styles. Students will examine the musical elements, the major artists, and the social, political, and economic aspects related to each style and era of popular music. In addition to the above, other related topics such as the music video industry, and the recording industry could be included.

PREREQUISITE - None.

DRAMATIC ARTS

DRAMATIC ARTS 701A - First Year - Open - 1 credit

PROVINCIAL CODE -

DESCRIPTION - Drama 701A is an introductory course in drama, focusing on the personal growth of the student. Through extensive work in improvisation, both small and large groups, students gain confidence as they explore and communicate ideas, experiences, and feelings in a range of dramatic forms. Drama 701A provides a foundation for all future course work in drama and theatre.

PREREQUISITE - None.

DRAMATIC ARTS 801A - Second or Third Year - 1 credit

PROVINCIAL CODE - DRA801A

DESCRIPTION - Drama 801A builds on the learning experiences provided in Drama 701A. This course will provide opportunities to explore movement and speech and to combine these in a greater range of dramatic forms. The emphasis for this course will be on the process of creating script and bringing script to production.

Students will create original scripts or theatre pieces from other texts, including script. These scripts may take many forms and may be stimulated by any number of texts such as music, literature, improvisation, and existing script.

A collage, a collective, a drama symphony, a forum theatre piece, and a script are some of the possible forms of text creation. Students will also explore script using improvisation and other dramatic forms to understand the original text and to create new script for performance. The theatre component within Drama 801A culminates in the production of created text. The elements of theatre production and the skills required for presentation, including acting skills, will be explored.

PREREQUISITE - English Department Approval. Limited Enrollment.

ART

This is a general interest art program. Its focus is on gaining an understanding of the nature of art and artist through practical projects. Its aim is to encourage the appreciation of art as an exciting personal experience. As all students have some artistic potential and can benefit from a wide variety of experiences in art, the program is as suitable to the regular student as it is to the comparatively small number of highly motivated students with artistic "talent".

Each course provides *formal* art instruction through *structured* studio activities *assigned* by the teacher. It is important for the student to understand that this is **not a recreational course**. As students progress in the program studio instruction in each of the basic areas of making art (drawing, printing, printmaking and sculpting) is combined with experiences in art criticism (learning to evaluate art) and art history (learning from the art of the past). The courses are sequential and provide experience beneficial for post-secondary study in the arts.

Although most supplies are provided by the school, some of the basic consumables must be purchased by the student at the beginning of the term. Art kits are assembled by the school for the student's convenience and cost \$20 per course.

ART 401 (*Visual Arts*) - First Year - Open - 1 credit

PROVINCIAL CODE - ART401A

DESCRIPTION - This introductory course is to provide a study of basic art skills such as drawing, painting, printmaking, and creating three-dimensional forms. There is a strong emphasis on the elements of art, basic colour theory and drawing skill development with regular sketchbook assignments. Students will learn to put their art into a context of art history from the Prehistoric cultures to Greek and Roman times. As well, students will learn to critically view and articulate about visual images that they view and create. Students will be required to create, collect, record, explore and reflect in their workbook on a regular basis. No previous experience is necessary and this course is a recommended prerequisite for ART501A. Art fee of \$20 is required.

PREREQUISITE - None.

ART 501 (*Composing Your Art*) - Second Year - Open - 1 credit

PROVINCIAL CODE - ART501A

DESCRIPTION - This course builds upon the knowledge, skills, ideas and experiences introduced in Art 401. Students are expected to use more sophisticated drawing, painting, printmaking and sculpturing/crafting techniques in their art making. The main focus of the course is to develop originality in compositions through applying a working knowledge and skills of the elements and principles of art and design and spatial understanding. Students will learn to critically view using the appropriate vocabulary to examine the art and the artists of the Renaissance to the Impressionistic time period and apply the knowledge in their art making. There is a stronger emphasis on self-criticism and working independently. Students will continue to create, collect, record, explore, and reflect in their workbook on a regular basis. Art fee of \$20 is required.

PREREQUISITE - Art 401 or permission from instructor.

ART 601 (*Personal Development in Visual Art*) - Third Year - Open - 1 credit

PROVINCIAL CODE - ART601A

DESCRIPTION - This course builds upon the skills, concepts, media, techniques, ideas and experiences in Art 501. Students will reflect on and share how the above is combined in their artwork to create and express a strong visual statement/message. Students will critically view artwork using the skills of a persuasive argument. They will examine art and artists of the Modern and Contemporary art movements and apply this knowledge to their artwork. This course has a strong emphasis on self-criticism and working independently. Students will continue to create, collect, record, explore, and reflect in their workbook and portfolio on a regular basis. Students will be expected to reassess their artist statement periodically throughout the course as it evolves.

PREREQUISITE - Art 501 or permission from instructor. Art fee of \$20 is required.

ART 621A - Visual Arts - Third Year - Academic - 1credit

PROVINCIAL CODE - ART621A

DESCRIPTION - This course builds upon the skills, concepts, media, techniques, ideas and experiences in ART501A. Students will reflect on and share how the above is combined in their artwork to create and express a strong visual statement/message. Students will critically view artwork using the skills of a persuasive argument. They will examine art and artists of the Modern and Contemporary art movements and apply this knowledge to their artwork. Students will be expected to present the results of their academic in both a visual and written form. The academic research project would have a community-based learning component. This course has a strong emphasis on self-criticism and working independently. Students will continue to create, collect, record, explore, and reflect in their workbook and portfolio on a regular basis. Students will be expected to reassess their artist statement periodically throughout the course.

PREREQUISITE - ART501A or permission from the teacher. Art kit fee required \$20.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 401 - First Year - Open - 1 credit

PROVINCIAL CODE - PED401A

DESCRIPTION - This is a credit course for students entering the first year at Three Oaks. The intent of the course is to provide the student with an opportunity to develop, at a functional level, skills in activities which by and large have not been introduced and have a high recreational carry-over value. The student will develop, practice and apply the skills in these activities. Activities offered will be classified under the following areas: recreational games, fitness, individual and dual sports and team games. This program is made up of core and mini activity units with the intent of the smaller units being an exposure to new activities. Core units may include golf, tennis, field games, fitness, volleyball, rugby, badminton, curling, dance and lacrosse. Mini units may include handball, orienteering, bowling, and table tennis. Where applicable, students will be allowed **some** choice in the selection of those activities in which they wish to participate. Classes may be co-educational or non-co-educational, depending upon the activity. Evaluation of a student's success in the course will result from practical and written tests and the subjective observations of the instructor.

PREREQUISITE - Students must have a pair of indoor sneakers and outdoor sneakers.

PHYSICAL EDUCATION 801 - LIFESTYLE - 2nd or 3rd Year - Open - 1 credit

PROVINCIAL CODE - PED801A

DESCRIPTION - This course is a full credit elective offered to those students in their second or third year at Three Oaks. Activities offered will be classified under the following core emphasis: outdoor education; recreational; lifetime carry-over activities selected from individual, dual or team sports; and fitness concepts. This course is designed to be an extension of the Physical Education program following Physical Education 401 with more emphasis given to lifetime activities, fitness and outdoor education. Sports with lifetime carry-over value offered may include curling, volleyball, badminton, bowling, tennis and golf. Outdoor education may include conservation awareness, cross-country skiing, orienteering, adventure/problem solving activities and cooperative games. Whenever feasible, students will be given some choice in the selection of their activities, although fitness is considered core material. Evaluation of the students' progress in the course will be determined by practical, written tests, projects and the subjective observations of the instructors.

PREREQUISITE - Physical Education 401 or permission from the Instructor. Students must have a pair of indoor sneakers and outdoor sneakers.

LEADERSHIP 621 - 3rd Year - Academic - 1 credit

PROVINCIAL CODE - PED621A

DESCRIPTION - Purpose: To provide an involvement for students that have a prospective interest in community recreation, physical education, coaching, and/or personal appreciation for the various roles of leadership in society. Instruction will take place in the classroom, gymnasium and other practical settings. Part of the evaluation will be derived from participation in individual or group projects involving administration and organization within both the school and community. Some unit topics will include fitness, care and prevention of athletic injuries, violence in sport, leadership, teaching, coaching, health concerns, sports medicine and future directions in physical education and recreation.

PREREQUISITE - Academic English recommendation.

FAMILY LIVING

FAMILY LIFE EDUCATION 421 - First Year - Academic - 1 credit

PROVINCIAL CODE - FAM421A

DESCRIPTION - This course is designed for students interested in developing a better understanding of themselves and their relationships in and outside the family. The course will be covered within the following five basic themes: 1. Self-management (communicating, values, problem solving & decision-making); 2. Relationships (theory, types of, living within relationships); 3. Human Sexuality (reproductive systems, conception control, reproductive health, exploitation of sexuality); 4. Healthful Living (lifestyle choices, stress, suicide, substance abuse) 5. Looking to the Future (work roles, career decisions, job search).

Learning experiences will be designed to help the students explore their values, develop effective communications, problem-solving and decision-making skills which will enable them to take their place more meaningfully in the home and community. The text will be supplemented with videos, handouts, etc. In addition, students will be encouraged to follow up with their parents the class discussions of the family life topics.

PREREQUISITE - None.

FAMILY LIFE 621 - Second or Third Year - Academic - 1 credit

PROVINCIAL CODE - FAM621A

DESCRIPTION - This course is designed to give students life-coping skills for meeting the challenges of young adulthood. Learning experiences include films, guest speakers and field trips to various institutions providing support and services to families (i.e. senior citizens' home).

FAMILY LIFE 621 - (continued)

Description - Topics may include the changing family in the new millennium, wellness, the family life cycle, from young adulthood through marriage, parenthood and aging, family relationship (parent-child, siblings, etc.), family law, divorce, love, dating, engagement, family planning, adoption, abortion and various family problems or crisis (drug abuse, alcoholism, suicide, child abuse, wife battering, etc.). Evaluation includes projects, a scrapbook, volunteer hours, tests and assignments.

PREREQUISITE - None.

HOUSING

HOUSING 621 - Second or Third Year - Academic - 1 credit

PROVINCIAL CODE - HSG621A

DESCRIPTION - This course is a study of all aspects of housing as they affect the consumer, whether it be a young adult or a family. Students examine all forms of housing available, factors that influence housing choices, financial aspects of housing and housing construction. As well as analyzing floor plans and studying construction methods, students learn how to evaluate real estate, thus should be able to apply these skills whether renting, buying or building. In addition, students cover material dealing with house interiors - design, decorating, materials and furnishings.

PREREQUISITE - None.

PEER HELPER

PROVINCIAL CODE - PHP701A or PHP801A - Second or Third Year - 1 credit

DESCRIPTION - Students enrolled in this full credit program will have the opportunity to earn a credit while helping students with extra needs meet the many challenges they encounter in the integrated setting and the resource room. The Peer Helpers work on a one to one basis or in small groups with the students and are closely supervised by the classroom teacher and/or advisory teacher. After being selected through an interview process, the successful applicants will be given a brief training program. This program will outline their responsibilities as well as present strategies and techniques which may help the Peer Helpers meet the specific needs of their assigned student(s).

PREREQUISITE - Teacher recommendation, excellent attendance record, & successful interview.

CAREER AND TECHNOLOGY STUDIES

The Career and Technology Studies Program at Three Oaks provides an opportunity for students to become acquainted with current occupational and career fields in today's modern society.

Courses offered in this program are single credit and are open to all students at Three Oaks. Each course will emphasize three specific objectives:

- (1) knowledge of the particular career or occupation
- (2) specific manual skills including hands-on experience
- (3) common work & attitudinal skills necessary for success in the work place

Students will be introduced to current technology in each field using resources available within the school and in the community.

CO-OPERATIVE WORK STUDY - Second or Third Year - Open - 2 credits

PROVINCIAL CODES - CWS502AB or CWS602A/B

DESCRIPTION - Cooperative Education is an experiential method of learning that formally integrates classroom studies with learning through productive work experiences in a field related to a student's academic or career goals. It provides progressive experiences in integrating theory and practice. The cooperative education course is a partnership among students, schools, and the community, with specified responsibilities for each. This course consists of a classroom component and a placement component. Prior to the placement, all students must demonstrate an understanding of the pre-placement orientation expectations and participate in the development and implementation of their personalized placement learning plans. These plans outline the specific goals the students, teachers, and employers have regarding opportunities to apply and extend knowledge and practice and refine skills to demonstrate student achievement of placement expectations that reflect current workplace practices and standards.

PREREQUISITE - Grade 10, Exceptional Attendance Record, Recommendation from a Subject Teacher, Interview with a Co-op Teacher prior to beginning of course.

CAREER EXPLORATIONS & OPPORTUNITIES 401 - First Year - Open - 1 credit
PROVINCIAL CODE - CEO401A

DESCRIPTION - This course enables students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decision, and take responsibility for pursuing their goals throughout life. Students will explore a wide range of post-secondary education and career options, think critically about health issues and decisions, develop financial literacy skills related to pursuing their education and career goals, and begin planning for their transition beyond secondary school. The course provides relevant and experiential learning opportunities, helping students relate their learning in school to the demands of the working world and the expectations of society. It also provides opportunities for students to develop those skills, attitudes, and behaviors that will allow them to manage their lives more purposefully and effectively, enhance their personal well-being, and realize their full potential.

PREREQUISITE - None.

CAREER FUTURES 801 - Second or Third Year - Open - 1 credit

PROVINCIAL CODE - CAF 801A

DESCRIPTION - Career Futures 801A focuses on examining career directions, making choices, exploring the workplace, and developing employability skills. This course develops a broad-based foundation for job, occupation, and career planning. Students will have an opportunity to complete interest inventories, access workplace skills, and explore post-secondary opportunities and/or an occupation of interest. Students in this course will create a Career Portfolio.

PREREQUISITE - None.

TRANSITIONS 602X - Second or Third Years - Open - 2 credits

PROVINCIAL CODE - TRA602X

DESCRIPTION - The purpose of this program is to encourage and motivate senior high students to continue their education after high school, and to provide them with ample information to make informed choices about post-secondary options. Students attend Holland College each day for half a school day during one semester, rotating every three weeks through a different post-secondary career module. Students also have the opportunity to participate in community exploration experiences and tours relating to their career interests. One of the program's priorities is to create a student-centered learning environment where learners are mentored, guided, and supported with a 5-1 student to mentor relationship. During each career module, program mentors support student teams in completing career related projects, with team presentations following each rotation. Students are also required to make at least two high quality additions to their Portfolios during each career rotation. Note: Transitions has entrance recognition at Holland College. Students must wear steel-toed footwear.

PREREQUISITE: Successful completion of Career Futures 801

GRAPHIC ARTS TECHNOLOGY 701 - First or Second Year -1 credit

PROVINCIAL CODE - GRA701X

DESCRIPTION - Graphic Arts Technology is an exploratory program designed to acquaint students with those areas that are fundamental to the field of graphic communications. Students will gain exposure to the related fields of photography, photo-offset printing, mechanical drawing and screen printing. Although the emphasis will be on the development of basic skills in each area, the importance of computer technology will also be addressed as students will have the opportunity to experience computer-aided drawing and design. An important component will be an awareness of the career opportunities in the field of graphic arts.

PREREQUISITE - None.

CREATIVE MULTIMEDIA 801 - Second or Third Year - Open - 1 credit

PROVINCIAL CODE - CMM801A

DESCRIPTION - Creative Multimedia students will acquire basic web and multimedia production skills through practical experience with digital media technologies. The course will be taught from a design point-of-view and will be activity-based. Creations will be presented in a web or CD portfolio format. Modules include Digital Design Principles, Digital Imaging, Animation, Audio/Video Editing and Web Authoring. This is an introductory level course. This course will have entrance recognition at Holland College with the curriculum designed to link to post-secondary opportunities in the study of Interactive Multimedia, Computer Information Systems and Graphic Design.

Prerequisite - None.

FOODS & NUTRITION 421 - First or Second Year - Open - 1 credit

PROVINCIAL CODE - FDS421X

DESCRIPTION - This is an introductory course designed to create an interest in the importance of good nutrition, good food choices, and proper food preparation. This course is intended to be both theoretical and skill oriented, and will be delivered through both classroom and lab activities. Some areas covered include: Canada's food Guide, nutrients, nutritional needs throughout the life cycle, and food and kitchen safety. In addition to developing everyday living skills, this course would be helpful to anyone planning a career in the food or restaurant industry.

PREREQUISITE - None.

CHILD STUDIES 701 - First or Second Year - Open - 1 credit

PROVINCIAL CODE - CHD701X

DESCRIPTION - This course is designed for the student wishing to explore careers which involve working with young children. Students will gain knowledge in the areas of reproduction, heredity, fetal development, prenatal care, pregnancy and childbirth. The course will also provide the students with opportunities to develop basic child care skills and to gain an understanding of, and appreciation for, the way children develop socially, physically, emotionally and intellectually.

CHILD STUDIES 701 (cont'd) - Students will be able to investigate a number of possible child care careers and business opportunities by: (1) listening to guest speakers explaining their roles in working with young children; ie, teachers, daycare workers, nurses, doctors, librarians, etc. (2) observing films that explore various areas of child care, development and activities; (3) observing programs at various institutions which serve children (daycare centres, kindergartens, elementary schools, libraries, hospitals, etc.); (4) examining their personal qualities and suitability for a career in this area; (5) exploring educational requirements for various child care careers.

PREREQUISITE - None.

HOSPITALITY & TOURISM 801 - Second or Third Year - Open - 1 credit

PROVINCIAL CODE - HOS801X

DESCRIPTION - This is an introductory career exploration course designed to give students an overview of tourism and hospitality, including food & beverage, accommodations, transportation, travel services, & recreation & entertainment. The course incorporates examples of resources for five sectors of the tourism industry. Students will look at the history, the present state and future of tourism. While researching career opportunities, students will refine their personal skills necessary for this service industry. The scope of this course, while concentrating on Prince Edward Island, will also encompass regional, national and international tourism, and practical geography. Students have the opportunity to receive their Super Host training and certification.

PREREQUISITE - None.

PERSONAL DEVELOPMENT 801 - Second or Third Year - Open - 1 credit

PROVINCIAL CODE - PSM801X

DESCRIPTION - This course is designed for students who wish to enhance their personal effectiveness and/or those who are considering a career working with people. Skills in interpersonal communication including body language, listening and empathy are practised through demonstration and role playing. Self evaluation and personal growth are encouraged through the use of discussions and journal writing, as well as through the use of a variety of assessment tools; i.e. Myers Briggs Type Indicator, Assertiveness Inventory, Choices, etc. Some of the topics studied are stress, anger management, assertiveness, values clarification, problem solving, self-esteem, caring and destructive relationships, mental health and career development. Active student participation and learning by doing are emphasized in this course.

PREREQUISITE - None.

WOODWORKING TECHNOLOGY 701 - First or Second Year - Open - 1 credit

PROVINCIAL CODE - WWK701X

DESCRIPTION - The Woodworking Technology course introduces students to fundamental woodworking techniques through the safe use of power tools and machinery. Students will be given theory on the proper methods of layout, cutting, shaping, fastening and finishing and will put this knowledge into practical use as they construct several assigned projects. Career opportunities and the future of the woodworking industry will also be examined.

PREREQUISITE - None.

FURNITURE DESIGN & CONSTRUCTION 801 - 2nd or 3rd Year - Open - 1 credit

PROVINCIAL CODE - WWK801X

DESCRIPTION - This course is offered as a follow-up to Woodworking Technology 701, **for only those students** who have demonstrated a keen interest and desire to develop their skills in the design and construction of furniture that is pleasing in appearance, sturdy and easy to maintain. Students will be required to utilize power tools and machinery to a higher degree of expertise as they construct two assigned projects. Students taking this course will have displayed an ability to work both cooperatively and independently, and have shown respect for their fellow students and the woodworking facility, while enrolled in Woodworking Technology 701.

PREREQUISITE - Woodworking Technology 701 with a mark above 60% and permission of the instructor. This course has limited enrollment of 15 students.

CARPENTRY PROGRAM

The Carpentry Program is designed to prepare students to enter the trade of Carpentry. Throughout the program students will develop the practical skills, technical knowledge, and safe work attitudes, required to be successful in industry. Emphasis will be placed on the essential and employability skills required to begin a career in the Carpentry Industry. Students will be given the opportunity to register as youth apprentices through the ASAP Apprenticeship program, and upon successful completion of the program, with a mark of 70%, students may challenge their Block 1 Apprenticeship Exam and receive credit towards their Apprenticeship. A passing grade of 50% is required for high school credit. A passing grade of 70% is required for opportunities recognized by Apprenticeship.

CARPENTRY TECHNOLOGY - (6 credits)

CARPENTRY 701A - Introduction to Carpentry - 2nd & 3rd Year - Open - 1 credit
PROVINCIAL CODE - CAR701A

COURSE DESCRIPTION - Introduction to Carpentry allows the student to explore the trade of Carpentry. Students will be introduced to the tools, equipment, and practices common to the trade with a **constant emphasis on safe work habits**. Students will develop their knowledge of solid wood products describing their characteristics and applications in industry. Students will identify, construct and apply various methods of wood joinery; while developing technical skills with various hand and power tools common to the trade. Students will also develop skills in communication through drafting and basic math concepts for trade-related problems. ***Safety Boot and Safety Glasses are mandatory.***

PREREQUISITE - None, although a Woodworking course would be an asset.

*****CARPENTRY 801A - Floor Systems - 2nd & 3rd Year - Open - 1 credit**
PROVINCIAL CODE - CAR801A

COURSE DESCRIPTION - All construction projects start from the ground up. *Floor Systems* will develop an understanding of the basic design principles of floor frame systems, while estimating, selecting and installing components of a residential floor system. Students will also develop skills and knowledge in the safe use of portable hand and power tools. Students will complete WHMIS training to industry standards. Students will also continue to develop knowledge and skills related to manufactured building materials, and communication through drafting and trade math concepts. ***Safety Boot and Safety Glasses are mandatory***

PREREQUISITE - None, although a Woodworking course would be an asset.

CARPENTRY 801B - Structures, Shaping and Assembly - 3rdYear-Open-1 credit
PROVINCIAL CODE - CAR801B

Course Description - Carpenters are employed in many aspects of the construction industry. *Structures, Shaping, and Assembly* will introduce students to various types of framing systems common throughout Canada. Students will develop knowledge in selecting and using fasteners and sealants. Students will also develop their skills and knowledge of cutting and shaping tools with an emphasis on proper maintenance and care. Students will also survey the common heavy equipment used on construction sites. A safety component focuses on fire prevention and control. Students will also learn to communicate through orthographic drawings, and build on their essential trades math skills. ***Safety Boots and Safety Glasses are mandatory.***

PREREQUISITE - CAR701A & 801A & Approval of Carpentry Instructor.

CARPENTRY 801C - Wall Framing Systems - Third Year - Open - 1 credit

PROVINCIAL CODE - CAR801C

COURSE DESCRIPTION - The proper layout of framed systems such as walls and ceilings are essential skills required in the Carpentry trade. *Wall Framing Systems* will develop the students' ability to accurately lay out and construct wood frame walls and ceiling joists. Students will read and interpret blueprints and develop basic drawing skills to communicate effectively with clients and other members of a work crew. Students will also be introduced to concrete as a building material, and develop math skills to estimate area and volume. Students will study the concept of the building envelope learning proper methods to seal and weatherproof the structure. ***Safety Boots and Safety Glasses are mandatory.***

PREREQUISITE - CAR701A & 801A & Approval of Carpentry Instructor.

CARPENTRY 801D - Construction Planning and Design - 3rd Year - Open - 1 credit

PROVINCIAL CODE - CAR801D

COURSE DESCRIPTION - Prior to the start of any successful construction project extensive planning and organization must be completed. *Construction Planning and Design* will develop the preliminary building operations required prior to construction. Students will learn building layout and excavation methods. Students will develop an understanding of the various types of foundations available and their supporting structures. Framing and placement methods for concrete slabs will be introduced. Construction blueprint reading skills will be developed. Engineered residential truss systems will be studied. Pneumatic and fuel powered tools will be introduced, emphasizing their safe use. Math skills will be developed through calculating ratio and proportion, mechanical advantage and percentage. ***Safety Boots and Safety Glasses are mandatory.***

PREREQUISITE - CAR701A & 801A & Approval of Carpentry Instructor.

CARPENTRY 801E - Roof Systems - Third Year - Open - 1 credit

PROVINCIAL CODE - 801E

Course Description - There is a wide variety of roof styles and roof systems available to developers. *Roof Systems* will develop skills and knowledge needed to recognize and understand different roof styles, their function, components and construction. Students will continue to develop safe work habits and be introduced to working with ladders and scaffolds. Students will continue to enhance their skills and abilities to read and interpret blueprints, to communicate effectively and competently solve trade-related mathematical problems. ***Safety Boots and Safety Glasses are mandatory.***

PREREQUISITE - CAR701A & 801A & Approval of Carpentry Instructor.

AUTOMOTIVE TECHNOLOGY 701A / 801A - 2nd or 3rd Year - Open - 2 credits
PROVINCIAL CODE - AUT701A / 801A

Introduction to Automotive Technology - This course introduces students to tools, equipment, theories and practices common to the trade with a **constant emphasis on safe work habits**. In this course students will learn how to: communicate effectively and present themselves professionally; use and identify a variety of measuring tools; assemble components using a variety of fasteners and adhesives; perform basic heating cutting and welding procedures and; diagnose and service wheels, tires and wheel bearings. This course is a prerequisite for all other Auto Service Technician courses. **Students must pass this credit which is covered in the first term to get into the 2nd term credit within that semester.**

Basic PowerTrain - A basic working knowledge of the major systems of a vehicle is essential for any Auto Service Technician. This course introduces students to engine operation, cooling systems, and vehicle drivelines. Students will learn about the operation of internal combustion engines and various fuel types. Students will be able to: work with vehicle cooling systems; conduct tests on, diagnose, and repair cooling systems; and handle and dispose of coolants in an environmentally safe manner. Students will learn how to diagnose problems related to vehicle drivelines and identify the proper procedures to be followed to effect the necessary repairs.

NOTE: Steel toe boots are mandatory. Safety Glasses are mandatory. Students are encouraged to provide 1/4 + 3/8 drive tool kit.

PREREQUISITE - None.

AUTOMOTIVE TECHNOLOGY 801B / 801C - 2nd or 3rd Year - Open - 2 credits
PROVINCIAL CODE - AUT 801B / AUT801C

Description - Brake Systems - Brakes are one of the most fundamental safety systems on a vehicle. This course focuses on the components, types, service and diagnosis of brake systems. Students will develop a clear knowledge of the fundamentals of friction and hydraulics related to brake component function. Students will learn to: service, repair, and diagnose drum brake systems; disc brake systems; and power brakes. Students will also be introduced to Antilock Brake Systems.

Electrical Systems - Today's automobiles use electricity to operate many different devices and systems. During this course students will develop a basic understanding of electrical principles, fundamentals of magnetism and scientific principles related to vehicle electrical systems. Students will learn to: service, test and diagnose problems related to batteries; service and repair basic electrical circuits; and use electrical meters and scan tools to test and diagnose vehicle electrical systems.

NOTE: Steel toe boots & safety glasses are mandatory. Students are encouraged to provide 1/4 and 3/8 drive tool kit.

PREREQUISITE - Instructor Approval & AUT701A.

AUTOMOTIVE TECHNOLOGY 801D / 801E - 2nd or 3rd Year - Open - 2 Credits

PROVINCIAL CODE - AUT801D / AUT801E

DESCRIPTION -

Suspension and Steering Systems - Suspension and steering components are second only to brakes as the most crucial safety system in any vehicle. During this 2 credit course students will learn how to diagnose and correct problems related to vehicle suspension and steering components. Students will learn about: basic frame construction; the service and repair of manual and power steering systems; the service and repair of steering columns, suspension systems and steering linkages. Students will also learn about the common steering angles and how each affects vehicle handling.

NOTE : Steel toe boots & safety glasses are mandatory. Students are encouraged to provide 1/4 + 3/8 drive tool kit.

PREREQUISITE - Instructor Approval & AUT701A.

INTRODUCTORY ROBOTICS 801 - Second or Third Year - Open - 1 Credit

PROVINCIAL CODE - (ROB801A)

DESCRIPTION -

This survey course is intended to provide an overview of wireless, remote control robots. Students will construct robots of their own design to meet specified challenges. Participants are required to generate conceptual designs, leading to "working drawings" for each robot challenge. While learning about hand tools, power tools, electricity, power supplies, hot metal processes, drawing wiring schematics, slide shows, wireless remote, and safety, students will transform their conceptual designs using metal, plastic, motors, wires, gears, wheels, fasteners, drive trains, wireless remote control devices into reality. As a "hands-on" experimental course, evaluation will be based heavily of meeting each challenge rather than a final exam. Teamwork will be essential. ROB801X is open to "self-starters", holistic thinkers and students interested in working in groups to overcome challenges.

NOTE: Safety glasses are mandatory.

PREREQUISITE - Applied Science (SCI701A)

INTRODUCTION TO AVIATION 802X - 2nd or 3rd Year - Open -2 Credits

PROVINCIAL CODE - AAR802X

DESCRIPTION - Designed to provide an orientation to the many disciplines in the aviation industry, this program outlines the careers available in the aviation and aerospace sectors and introduces the student to skills required to take on those careers. The program includes skills transferrable to many sectors including workplace safety and safety regulations, the Workplace Hazardous Materials Information System, the use and care of basic hand tools and precision measuring. Aviation specific training includes safety in aviation environments, basic theory of flight (airplanes and helicopters), hardware, sheet metal work and aircraft maintenance. Practical activities are provided to enhance the training throughout the course and include the assembly of basic electronic kits. Toward the end of the semester, students may opt to take a job-shadow placement at a local aerospace company.

PREREQUISITE - None.

INTRODUCTION TO AVIATION 802Y - 2nd or 3rd Year - Open - 2 credits

PROVINCIAL CODE - AAR802Y

DESCRIPTION - This course is a continuation of Introduction to Aviation 802X and will expand the knowledge and skills of the student. The course will include a more complete study of the theory of flight, and cover the operation and maintenance of piston and turbine engines and aircraft structural repair. Aircraft materials and construction, electrical basics and electrical safety, as well as aircraft inspection and maintenance documentation will form a large part of the module. Practical projects will include piston engine work, sheet metal work and maintenance and inspection of a certified aircraft. Students will also do some “on the job training”.

PREREQUISITE - Introduction to Aviation 802X .

AIRCRAFT MAINTENANCE ORIENTATION 604X - 3rd Year - Open - 2 Credits

PROVINCIAL CODE - AAR602X / CWS602A

DESCRIPTION - Students may enter this program from 802X or 802Y. For those students who enjoy the aircraft maintenance environment, this course will allow them to continue in the aviation program. Most of this course will be Co-op placements with local aviation and aerospace companies.

PREREQUISITE - Introduction to Aviation 802X.

WELDING 701A / 801A - Second or Third Year - Open - 2 credits

PROVINCIAL CODE - WEL701A / 801A

DESCRIPTION -

Introduction to Welding (WEL701A)

This course introduces students to tools, equipment, theories and practices common to the trade. Welding can be a hazardous occupation if you are an unsafe worker therefore the Welding Program will have a **constant emphasis on safe work habits**. Students will: develop attention and concentration skills that will allow them to minimize the hazards of the trade; learn to select and use the proper tools to complete welding tasks; learn to safely handle materials related to welding; will be introduced to multiple welding techniques and processes.

Shielded Metal Arc Welding (SMAW) (WEL801A)

Welders always strive to achieve a high standard of quality in their work. During this course students will: identify and describe the various type of weld joints; learn to select the proper electrodes for various tasks; diagnose and correct problems that arise when using SMAW equipment; identify and safely use power tools common to the trade; and develop the theoretical and practical knowledge to perform high quality SMAW welds.

PREREQUISITE - None.

WELDING 801B / 801C - Second or Third Year - Open - 2 credits

PROVINCIAL CODE - WEL801B / 801C

DESCRIPTION -

Gas Metal Arc Welding (GMAW) (801B)

Gas Metal Arc Welding is used extensively in industry and is a process that a welder is most likely to use throughout his/her career. During this course, students will: learn to identify, describe and safely use the equipment and tools required to preform GMAW welds; select the proper GMAW filler metals and shielding gases; and correctly identify and select proper weld joints. Industry demands and sets a high standard for welders. Students are expected to develop the physical hand skills in GMAW required by industry and perform GMAW welds in all relative positions.

WELDING 801B / 801C (cont'd)

Oxyfuel Process (801C)

The Oxy-Fuel Process is commonly used in industry to perform a variety of cutting, gouging and fusion tasks. Welders are expected to have a high skill level and knowledge of oxyfuel equipment and processes. Students will learn to set up and troubleshoot oxyfuel outfits, perform accurate cutting and piercing operations, execute acceptable fusion welds, braze welds and brazing operations; and describe and perform various thermal cutting and gouging processes.

PREREQUISITE - Welding 701A / 801A

WELDING 801D / 801E - Second or Third Year - Open - 2 Credits

PROVINCIAL CODE - WEL 801D / 801E

DESCRIPTION -

Flux Core Arc Welding (FCAW) (801D)

Flux Core Arc Welding is recognized as a high production process for welded fabrication projects. During this course students will: learn to select and safely use the correct FCAW equipment, shielding gases and filler metals; perform FCAW welds in all positions; and combine the GMAW and FCAW welding processes.

Gas Tungsten Arc Welding (GTAW) (801E)

Gas Tungsten Arc Welding is a precise method of welding various types of metal. GTAW is a widely used welding process in the welding fabrication industry. During this course students will learn to identify, describe and safely use the equipment and tools required to perform GTAW welds in a variety of position on various types of metal.

PREREQUISITE - Welding 801B / 801C

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