

CHARLOTTETOWN RURAL HIGH SCHOOL

COURSE HANDBOOK
2008 - 2009

www.edu.pe.ca/rural

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Principal's Message

We are pleased to provide this course handbook for students and parents to assist with course planning for the 2008-2009 school year. Also, the course descriptions contained in this book may be found at our school website www.edu.pe.ca/rural. The course descriptions, graduation requirements, and registration information should be reviewed carefully by students prior to registration. Charlottetown Rural High School provides a wide variety of courses for students; therefore, students should select courses with a view to future study and work considerations. Students are encouraged to discuss their course registration with their homeroom teachers or with one of the school counsellors.

It is important for students to take a full course load during each of their years in high school. Free periods are discouraged as they are rarely used effectively. It is recommended that students take the full 24 courses during their three years in high school and that they work to the best of their ability in these courses. Students are expected to take responsibility for their learning by working to their potential, developing good study habits, and attending all classes on time.

At Charlottetown Rural we are committed to excellence in all aspects of education. Charlottetown Rural strives to create a welcoming, safe and caring environment where all students have the opportunity to reach their potential as lifelong learners. In partnership with the community, our goal is to provide educational opportunities to help our students contribute as respectful members of a global society.

The basic principles on which our school operates are those of responsibility and respect. Each student has the right to equality and fairness and to the expression of opinions in a respectful and responsible manner. Respect for self, others and for the school and its property is expected of all Rural students. Our Code of Conduct states this as follows:

- I will respect myself.
- I will respect others.
- I will respect personal property and school property.
- I will come to school prepared to learn.
- I will act responsibly and accept consequences for my actions.

This handbook does not provide information on extracurricular programs, school policies and procedures, and daily operations and organization. This information will be provided to each student at the start of the school year in a school agenda distributed by homeroom teachers.

Should you have questions or require additional information, please do not hesitate to contact us. Careful planning, positive choices, and hard work will contribute to success for each student in his/her education.

E. Susan Willis
Principal

Cover photo by Frank Connolly

GENERAL INFORMATION ON C.R.H.S.

Charlottetown Rural High School serves some 1100 students in a wide range of programs and extracurricular opportunities. We are pleased to highlight some of these services and learning opportunities.

Student Services

Two counsellors are available to provide personal, academic and career counselling services to students and to assist them in decision making. In this student- centered facility, students can find calendars, applications forms, and websites for most Canadian post-secondary institutions. Up-to-date information on careers, occupations, and professions as well as "Choices", a computer based career planning system, are available to students through Student Services. In September, all grade ten homerooms are assigned a counsellor who will outline services available to students through the Student Services Department.

Library/Resource Center

Charlottetown Rural High School Library/Resource Center is open each school day from 8:30 a.m. to 4:00 p.m. The primary responsibility of the CRHS library is to provide current materials which support the curriculum; however, every attempt will be made to meet the diverse needs of students and teachers. Grade ten students will be provided with an orientation to library facilities and materials including the MICROCAT card catalogue, reference materials, periodicals, and indexes, and CD ROM. It is hoped that students will find the CRHS library a pleasant and relaxing area for reading as well as a useful area for study and research.

Student Activities

The CRHS Students' Council is comprised of five executive members and elected representatives from each homeroom class. The Students' Council conducts regular meetings and organizes school events. A wide range of clubs are available to students such as Raider's Council, Smart Risk,- No Regrets, SADD, Yearbook, Drama, etc.

Athletics

Charlottetown Rural is pleased to present the following range of interscholastic sports to student athletes: golf, field hockey, soccer, volleyball, cross country, basketball, curling, badminton, track and field, softball, and rugby. The Athletic Council oversees inter-scholastic sports at Charlottetown Rural and establishes guidelines and academic prerequisites for student participation on the various interscholastic teams.

An intramural sports program is offered to students each day during the lunch hour in the gym. Each CRHS student is invited and encouraged to turn out for intramural activities. Fun and exercise, the development of recreational and sportsman-like skills, and overall physical and emotional development, are the aims of intramural activities at CRHS.

INFORMATION ON COURSE SELECTION AND REGISTRATION

You are Responsible for Making Wise Choices

Students are advised to plan their high school courses with a view to the career, work or study plans they would like to pursue after high school. The course planning process must begin when students are selecting courses for grade ten and is ongoing throughout their senior high school years.

Incoming grade ten and eleven students will register for and take eight courses per year. Grade twelve students are expected to register for and take courses in accordance with the graduation requirements and the necessary pre-requisites for post secondary education. It is expected that all students will register for 24 courses over the three year period and that they will select courses at levels which will challenge them. Once students have selected courses and been issued a timetable, it is expected that they will complete the courses they are taking.

Most courses at Charlottetown Rural High School are semestered; that is, courses beginning in September will end in January, and those beginning in February will end in June. Attendance is a requirement for credit. The passing mark is fifty percent and each course successfully completed counts as one credit with the exception of Cooperative Education and some Career Exploration Courses.

Before completing your registration card you should consider the following:

- * your post-secondary plans for study/work
- * requirements for entry into post-secondary educational institutions

Ask yourself these questions:

- * *Have I chosen my courses at the proper level?*
- * *Have I included all the courses that are compulsory at my grade level?*
- * *Have I included any compulsory courses that I failed previously?*
- * *Do I understand the content of each course?*
- * *Do I have the prerequisites for the courses?*
- * *Have I carefully considered all the courses at my grade level?*
- * *Are my choices realistic?*
- * *Have I included realistic alternate courses?*
- * *Do they reflect my level of achievement?*
- * *Do they reflect my potential?*
- * *Have I considered my future plans?*
- * *Have I consulted my parents?*
- * *Have I consulted my homeroom teacher?*
- * *Have I consulted my counsellor?*

Student schedules are generated by the computer and distributed to students in September. There is no guarantee that choices will be programmed in a preferred semester. A student's "alternate course" choices will be used to complete the complement of eight courses: if scheduling difficulties are encountered; if courses are not offered because of insufficient enrolment; or if the enrolment in a course is too large.

When a student registers for a course the school considers this course choice a commitment to be honoured with regular attendance and completion of the course. Any changes in a student's program after classes commence will require permission of the parents, homeroom teacher, and the school administration.

Post-Secondary Planning:

Admission requirements for maritime and other post-secondary institutions vary somewhat from high school graduation requirements. Students who are considering some form of study beyond high school should consult post-secondary calendars at the Student Services Center to determine what courses they should choose, especially during their final two years of high school.

Students should note that the following Degree (university) programs require specific courses at the grade twelve level. An overall minimum average of 70% is required for most university programs in 5 academic (621 or 611) grade 12 courses including English 621. *Students should also note that programs with limited enrollment will require higher averages for admission.*

General Guidelines: Students are responsible for checking specific admissions requirements.

Bachelor of Arts: English 621, plus 4 acceptable academic electives. U.P.E.I. requires a grade 12 social studies or language credit.

Bachelor of Business Administration: English 621, Math 621, any 2 social studies, language or science courses and one other grade 12 academic course, ex. ECO 621 and ACC 621 are recommended.

Bachelor of Science: English, mathematics, two sciences (Chemistry 621 or 611, Math 621B and Math 611 are recommended) and one other grade 12 academic course.

B.Sc. In Computer Science: English, mathematics, two sciences (physics is strongly recommended) and one other grade 12 academic course.

B.Sc in Family and Nutritional Science: Refer to B.Sc. admission requirements. _____

B.Sc. in Nursing: Nursing entrance requires an overall minimum average of 70% in the following subjects: English, mathematics, chemistry, biology and one other grade 12 academic elective. Applicants must also have a minimum of 70% in each of English, mathematics, chemistry and biology. Check early admission deadlines.

Pharmacy Program: English, mathematics (Math 621B, Math 611), chemistry, biology plus one academic elective. One year of university in the science program is now required for entrance to the Pharmacy Program at Dalhousie.

Physiotherapy Program: Masters of science in Physiotherapy - following an undergraduate degree. English, mathematics, physics, chemistry or biology and one academic elective at the grade twelve level are advised.

Canadian Forces/R.O.T.P.: Students wishing to enrol in the Royal Officer's Training Program will require English, mathematics, physics and chemistry in their grade twelve program.

Holland College: Students should check prerequisites for specific programs in the Holland College calendar. Academic grade 12 courses are required for entrance to some programs.

PLEASE NOTE that applications to Holland College plus all required documentation must be received by Holland College by February 28, 2009.

Scholarships/Bursaries/Awards:

Graduating students are encouraged to compete for entrance scholarships to post-secondary institutions. Marks are of prime importance in consideration for entrance scholarships. Extracurricular activities in school and community are considered for specific scholarships, bursaries, and awards. Information is available at the Student Services Center and on the Charlottetown Rural Home page www.edu.pe.ca/rural.

GRADUATION REQUIREMENTS

Students must have at least 20 course credits to graduate.

The required number of course credits for graduation must include:

- a) 5 at the 600 or 800 level
- b) 4 language arts (one of which may be French), one English course from each level (400, 500, 600)
- c) 2 mathematics courses (algebra or geometry)
- d) 2 science courses
- e) 2 social studies courses

OR

- a) 5 at the 600 or 800 level
- b) 8 career exploration courses
- c) 3 language arts courses including one English course from each level (400, 500, 600)
- d) 2 mathematics courses
- e) either 2 science and 1 social studies course or 1 science and 2 social studies courses

All students are encouraged to take a Career Exploration course during their senior high school years. Grade ten students are expected to take Physical Education or Physical Education/Family Life.

Science Courses for Graduation:

The following courses may be considered as the science requirements for graduation: Grade ten science, physics, chemistry, biology, oceanography, agriscience, conservation, and botany.

Honours Standing at Graduation:

Students must achieve an overall average of 80% with no subject mark below 70% in six grade twelve courses. The credit courses required for an Honours standing are an English 600 level course plus five other courses at the 600 or 800 level.

Governor General's Medal, Provincial Policy:

The Governor General's Medal, for students who will graduate in June 2008, will be awarded to the student who achieves the highest average. The average includes all grade 11 and grade 12 courses as listed on the student's official transcript of grades.

Awards for Grades 10 and 11 Honours Students:

An awards ceremony will be held each October at which time Grade 10 and 11 students will be awarded honor certificates if they have met the following criteria in the subjects which they took in the previous school year: an overall average of 80% or higher in all eight courses for which they achieved credit regardless of the grade level or level of difficulty of the individual subjects.

In addition to a certificate, the top ten students by aggregate in each of the two grades, 10 and 11, will be presented with a plaque.

PROGRAM LEVELS:

Enriched/Advanced - This term refers to a university preparatory program that requires intensified and independent study. Students are expected to perform at advanced levels of achievement so as to be better prepared for university programs.

University Preparatory or Academic - These courses are regular university preparatory courses which allow students to enter post secondary study.

Open - These courses vary in level of difficulty and are considered a worthwhile selection for any student.

General - This is a non-university preparatory program. The emphasis is placed on the immediate application of the subject matter to everyday situations.

Practical - These courses are offered at a very basic level and are intended to prepare students for the world of work and develop specific skills training.

Modified - Learning outcomes of a course are modified to meet the needs of the learner.

COURSE CODING SYSTEM: The course code is composed of seven characters. The first three are letters associated with the title. Examples: "MAT" - Mathematics, "HIS" - History. The three numbers following may be broken down as follows:

First Digit: Year

- 4 - 1st year (grade 10)
- 5 - 2nd year (grade 11)
- 6 - 3rd year (grade 12)
- 7 - Grade 10 or 11
- 8 - Grade 11 or 12

Second Digit: Level of Program

- 0 - Open
- 1 - University Preparatory (enriched/advanced)
- 2 - University Preparatory (academic)
- 3 - General
- 5 - Practical
- 6 - Modified

Example:

HIS421A - Grade 10 Academic History One Credit

Third Digit: Credit

The seventh digit is used as a program identifier as well as to distinguish between courses that would otherwise be identical in their coding:

- | | | |
|----------------|----------|----------------------------|
| 1-one credit | A to E = | English - language courses |
| 2 -two credits | F to J = | French Immersion courses |
| | V to Z = | local program courses |

International Baccalaureate Programme

The International Baccalaureate (IB) Diploma Programme is a two year comprehensive and rigorous academic program for academically ambitious students in grades 11 and 12. The programme originated in Europe in 1968 and was intended to establish a common curriculum and university entry credential for students moving from one country to another. There are currently over 1700 schools in over 120 countries which offer the IB Diploma Programme and Charlottetown Rural High School, with the support of the Eastern School District and Department of Education, is anticipating IBO authorization in spring 2009.

The IBO has been in operation for over 30 years, and the Diploma Programme is highly regarded at universities worldwide. The comprehensive programme emphasizes academic excellence as well as personal development in areas such as philosophy and community service. The goals of the IB Programme reach beyond academic preparation. The IB Programme prides itself on helping to develop students who are critical thinkers, tolerant, caring, and internationally-minded.

IB Diploma Requirements:

Each student registered in the two year IB Diploma Programme must complete six courses from the following knowledge areas:

Group 1 Language A (English) - literature course in the student's first language

Group 2 Language B (Second language) - a second language such as French or Spanish

Group 3 Individuals and Societies - subjects such as history, geography or economics

Group 4 Experimental Sciences - subjects such as biology, chemistry or physics

Group 5 Mathematics and Computer Science

Group 6 Arts - subjects such as visual arts, music and theatre arts

In addition to the aforementioned courses, students must complete an extended essay, a Theory of Knowledge course, and participate in a program of Creativity, Action, Service (CAS).

The Prince Edward Island Department of Education has determined that students who complete the IB Diploma Programme requirements will also receive the PEI high school diploma.

Incoming grade 10 students who wish to participate in the IB Diploma Programme are **expected to enroll in the following grade 10 diploma preparation courses:**

ENG421B - Academic English IB Diploma Preparation and

MAT421B - Academic Mathematics IB Diploma Preparation and

SCI421B - Academic Science IB Diploma Preparation and

HIS421B - Ancient & Medieval History - IB Diploma Preparation or

HIS421J - Canada In Today's World (French Immersion) IB Diploma Preparation

The grade 10 Diploma Preparation courses provide students with the necessary skills for success in the IB Diploma Programme. The skills essential for achievement in the Programme include: research methods, oral skills, essay writing, critical reading skills, critical thinking skills, study skills and information literacy skills.

Students who have taken the DP courses and are registering as IB Diploma candidates at the end of their grade 10 year will be given first consideration for seats in the IB courses offered in grade 11 and 12. Consideration for entry into the IB Diploma Programme will also be given to successful grade 10 students not enrolled in the grade 10 DP courses if seats are available.

EAL - English As An Acquired Language

Charlottetown Rural 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 school subjects, as well as to better prepare them for post-secondary studies. Depending on the numbers of EAL learners registered, levels and strands may be combined to form a multi-level classroom.

EAL 701A - English as an Additional Language Beginning/Introductory Level

EAL 701B - English as an Additional Language - Beginning/Introductory Level

EAL 701C - English as an Additional Language - Intermediate Level

EAL 701D - English as an Additional Language - High Intermediate/Advanced Level

COURSE OFFERINGS

GRADE 10

COMPULSORY:

- ENG421A - ACADEMIC ENGLISH OR
ENG421AB - ACADEMIC ENGLISH (FOR STUDENTS WHO TAKE MUSIC421-BAND), OR
ENG421B - ACADEMIC ENGLISH - IB DIPLOMA PREPARATION OR
ENG431A - GENERAL ENGLISH OR
ENG451A - PRACTICAL ENGLISH
- ENG421X - ACADEMIC LANGUAGE (Academic Students)
LSK551A - LIFE SKILLS (Practical Students)
- MAT421A - ACADEMIC MATHEMATICS OR
MAT421B - ACADEMIC MATHEMATICS - IB DIPLOMA PREPARATION OR
MAT421AM - ACADEMIC MATHEMATICS (EVERY DAY ALL YEAR) OR
MAT431A - GENERAL MATHEMATICS OR
MAT451A - PRACTICAL MATHEMATICS
- SCI421A - ACADEMIC SCIENCE OR
SCI421B - ACADEMIC SCIENCE - IB DIPLOMA PREPARATION OR
SCI431A - GENERAL SCIENCE OR
SCI431AP - MODIFIED GENERAL SCIENCE (PRACTICAL STUDENTS)
- GEO421A - GEOGRAPHY OF CANADA (Academic) AND/OR
HIS421A - ANCIENT AND MEDIEVAL HISTORY (Academic) OR
HIS421B - ANCIENT & MEDIEVAL HISTORY - IB DIPLOMA PREPARATION OR
HIS421G - CANADA IN TODAY'S WORLD (French Immersion) OR
HIS421J - CANADA IN TODAY'S WORLD (French Immersion) IB DIPLOMA PREPARATION OR
CAS401A - CANADIAN STUDIES 401(General) OR
SOC451A - SOCIAL STUDIES (Practical)
- PED401A - NEW DIRECTIONS IN PHYSICAL EDUCATION
* * * * *

ELECTIVES

- ART401A - ART
AUT701A - INTRODUCTION TO AUTO SERVICE
ENV521X - CONSERVATION
CAR701A - INTRODUCTION TO CARPENTRY TECHNOLOGY
CAR701W - DRAFTING & DESIGN TECHNOLOGY
CAR701Y - CRAFTS I
CAR701Z - THEATRE ARTS I
FDS421A - FOODS
FRE421A - FRENCH (CORE)
FRE421F - FRENCH IMMERSION
ITC401A - INFORMATION TECHNOLOGY COMMUNICATION
MUS421A - MUSIC (Please state Band or *Strings)
RES401A - RESOURCE
WEL701A - INTRODUCTION TO WELDING

***Music Strings is an extra course which may be taken outside of regular school hours.**

GRADE 11

COMPULSORY:

ENGLISH: ENG521A, OR ENG531A, OR ENG551A
LANGUAGE: MED531A OR COM801A -Communications (General program)
MATHEMATICS: MAT521A, MAT521B, OR MAT531A OR MAT801A OR MAT551A

* * * * *

ELECTIVES:

- AGS801A - AGRISCIENCE
- ART501A - ART
- AUT701A - INTRODUCTION TO AUTO SERVICE
- AUT801A - BASIC POWER TRAINING \ (2 CREDITS)
- AUT801B - BRAKE SYSTEMS /
- BIO511X - BSCS, ADVANCED ACADEMIC BIOLOGY
- BIO521A - BIOLOGY
- BUS801W - ADVANCED KEY & WORD PROCESSING
- BUS801Y - INTRODUCTORY ACCOUNTING
- CAF801A - CAREER FUTURES
- CAR701A - INTRODUCTION TO CARPENTRY TECHNOLOGY
- CAR801B - STRUCTURES, SHAPING AND ASSEMBLY (CARPENTRY)
- CAR801D - CONSTRUCTION PLANNING AND DESIGN \ (2 CREDITS)
- CAR801E - ROOF SYSTEMS /
- CAR701W - DRAFTING & DESIGN TECHNOLOGY
- CAR701Y - CRAFTS I
- CAR701Z - THEATRE ARTS I
- CAR801W - PHOTOGRAPHY
- CAR801X - ADVANCED VISUAL COMMUNICATIONS
- CAR801Z - THEATRE ARTS II
- CHD521A - CHILD DEVELOPMENT
- CHM511A - ADVANCED CHEMISTRY
- CHM521A - CHEMISTRY
- CMM801A - CREATIVE MULTIMEDIA
- CMP521A - APPLIED COMPUTER STUDIES
- CMP801A - COMPUTER
- CWS502A - COOPERATIVE EDUCATION (2 CREDITS)
- ENT521A - ENTREPRENEURSHIP
- ENV521X - CONSERVATION
- FRE521A - FRENCH
- FRE521F - FRENCH IMMERSION
- FSC801A - FOOD SERVICES
- GEO521A - GLOBAL STUDIES
- GEO531A - WORLD GEOGRAPHY
- HIS521A - HISTORY, "Modern World Survey"
- HOS801A - HOSPITALITY/TOURISM
- LAW521A - INTRODUCTORY LAW (Academic)
- LAW521F - INTRODUCTORY LAW (French Immersion)
- LAW531A - INTRODUCTORY LAW (General)
- MUS521A - MUSIC - (Please state BAND or *STRINGS)
- MUS521X - JAZZ STUDIES
- MUS801A - STYLES OF POPULAR MUSIC
- PAM801Z - AUTOMOTIVE TECHNOLOGY
- PED801A - PHYSICAL EDUCATION, Life Style
- PHP701A - PEER HELPER
- PHY521A - PHYSICS
- POL521A - INTRODUCTORY POLITICS
- PSI801X - SPECIAL NEEDS SERVICES
- PSI801Z - ENVIRONMENTAL MANAGEMENT
- PSI802Z - CHILD CARE (2 CREDITS)
- RES501A - RESOURCE
- SOC851A - SOCIAL STUDIES (Practical)
- WEL701A - INTRODUCTION TO WELDING
- WRT521A - CREATIVE WRITING

***Music Strings is an extra course which may be taught outside of regular school hours, pending enrolment.**

GRADE 12

COMPULSORY:

ENGLISH: ENG621A, OR ENG631A, OR ENG651A
LANGUAGE: COM801A Communications (general program)
* * * * *

ELECTIVES:

ACC621A - ACCOUNTING
AGS801A - AGRISCIENCE
ART601A - ART
AUT801A - BASIC POWER TRAIN \ (2 CREDITS)
AUT801B - BRAKE SYSTEMS /
BIO611X - BSCS, ADVANCED ACADEMIC BIOLOGY
BIO621A - BIOLOGY
BIO801A - HUMAN BIOLOGY
BOT621X - BOTANY
BUS801W - ADVANCED KEY & WORD PROCESSING
BUS801Y - INTRODUCTORY ACCOUNTING
CAF801A - CAREER FUTURES
CAR801B - STRUCTURES, SHAPING AND ASSEMBLY
CAR801D - CONSTRUCTION PLANNING AND DESIGN \ (2 CREDITS)
CAR801E - ROOF SYSTEMS /
CAR801W - PHOTOGRAPHY
CAR801X - ADVANCED VISUAL COMMUNICATIONS
CAR801Z - THEATRE ARTS II
CHM611A - ADVANCED CHEMISTRY
CHM621A - CHEMISTRY
CMM801A - CREATIVE MULTIMEDIA
CMP801A - COMPUTER
CMP621A - COMPUTER STUDIES
CWS602A - COOPERATIVE EDUCATION (2 CREDITS)
DRF601X - DRAFTING
ECO621A - INTRODUCTORY ECONOMICS
FAM621A - FAMILY LIFE
FRE621A - FRENCH (CORE)
FRE621F - FRENCH IMMERSION
FSC801A - FOOD SERVICES
HIS621A - HISTORY OF CANADA
HIS621B - PEI HISTORY
HIS631A - WORLD SURVEY
HOS801A - HOSPITALITY/TOURISM
HSG621A - HOUSING - DECISIONS AND DESIGN
MAT611B - INTRODUCTORY CALCULUS
MAT621A - ACADEMIC MATHEMATICS
MAT621B - ACADEMIC MATHEMATICS
MAT631A - GENERAL MATHEMATICS
MAT651A - PRACTICAL MATHEMATICS, CONSUMER & CAREER MATH
MAT801A - APPLIED MATHEMATICS
MUS621A - MUSIC (Please state Band or *Strings)
MUS621X - JAZZ STUDIES
MUS801A - STYLES OF POPULAR MUSIC
OCN621A - OCEANOGRAPHY
PAM801Z - AUTOMOTIVE TECHNOLOGY
PED621A - LEADERSHIP IN PHYSICAL EDUCATION
PED801A - PHYSICAL EDUCATION/LIFE STYLE
PHP801A - PEER HELPER
PHY621A - PHYSICS
POL621A - ADVANCED POLITICAL STUDIES
PSI801X - SPECIAL NEEDS SERVICES
PSI801Z - ENVIRONMENTAL MANAGEMENT
PSI802Z - CHILD CARE (2 CREDITS)
RES601A - RESOURCE
SOC621F - INDIVIDUAL IN SOCIETY, FRENCH IMMERSION
SOC851A - PRACTICAL SOCIAL STUDIES
TRA602A - TRANSITIONS
WRT521A - CREATIVE WRITING

***Music Strings is an extra course which may be taught outside of regular school hours, pending enrolment.**

SUGGESTED PROGRAMS

GRADE 10	GRADE 11	GRADE 12
ACADEMIC	ACADEMIC	ACADEMIC
ENGLISH 421 LANGUAGE 421 MATH 421 SCIENCE 421 1 SOCIAL STUDIES PHYS ED + 2 ELECTIVES	ENGLISH 521 MATH 521A or MATH521A AND MATH521B 2 SCIENCE & 1 SOCIAL STUDIES OR 1 SCIENCE & 2 SOCIAL STUDIES + 2 to 3 ELECTIVES	ENGLISH 621 MATH 621 2 SCIENCE & 1 SOCIAL STUDIES OR 1 SCIENCE & 2 SOCIAL STUDIES + 3 ELECTIVES
GENERAL	GENERAL	GENERAL
ENGLISH 431 MATH 431 SCIENCE 431 CANADIAN STUDIES 401 PHYS ED + 3 ELECTIVES	ENGLISH 531 MEDIA 531 OR COMMUNICATIONS 801 MATH 531 1 SCIENCE 1 SOCIAL STUDIES + 3 ELECTIVES	ENGLISH 631 COMMUNICATIONS 801 MATH 631 1 SCIENCE 1 SOCIAL STUDIES + 3 ELECTIVES
PRACTICAL	PRACTICAL	PRACTICAL
LIFE SKILLS 551 ENGLISH 451 MATH 451 SCIENCE 431AP PHYS ED SOCIAL STUDIES 451 + 2 ELECTIVES	ENGLISH 551 MATH 551 SOCIAL STUDIES 851 1 SCIENCE + 4 ELECTIVES	ENGLISH 651 COMMUNICATIONS 801 MATH 651 + 5 ELECTIVES

PROGRAM PLANNING GUIDE

The following spaces are provided to help you plan ahead for all three of your senior high school years.

You will find when you write out your entire high school program, that some problems may appear that you didn't expect, so it is important that you do this exercise.

For example:

1. Since a system of prerequisites is used in some subject areas, plan your courses accordingly.
2. Make sure you include all the required subjects for graduation.
3. Remember that many post-secondary educational institutions have entrance requirements that can differ significantly from those for our graduation.

SUBJECT AREA	GRADE 10	GRADE 11	GRADE 12	TOTAL CREDITS
ENGLISH				
MATHEMATICS				
SCIENCE				
SOCIAL STUDIES				
PHYS ED				
CAREER EXP				
OTHER ELECTIVES:				
	TOTAL CREDITS	TOTAL CREDITS	TOTAL CREDITS	GRAND TOTAL

ART AND DRAFTING

Course Name: ART401A ART

Text: ART TALK

Prerequisite: None

ART 401 is an introduction to the visual arts suitable for any students regardless of previous art experience. The minimum program shall include activities from each of the following areas: drawing, painting, information design (posters, etc.). And sculpture, including claywork, paper mache, multimedia, etc. This studio time will also contain numerous lessons focussing on such topics as colour theory and creating the illusion of depth in two dimensional media. **A \$20.00 fee is expected for materials.**

Course Name: ART501A ART

Text: ART TALK

Prerequisite: ART401A

ART 501 is a continuation of ART 401. The students will explore a range of materials and processes that will prepare them for the senior course of Art 601. They will continue to develop their skills in the artistic media they were introduced to in the previous year, as well as expand into more complex artistic skills. Students will also begin to study Art History within this course, in order to develop an understanding of the purpose and meaning behind art both in a historical and contemporary sense. Students will also be encouraged to expand their awareness of art related career opportunities. **A \$20.00 fee is expected for materials.**

Course Name: ART601A ART

Text: ART in Focus

Prerequisite: ART501A

ART 601 is a continuation of ART 501. This primarily studio based course will include all of the skills and materials from previous courses in Art as well as allow students to explore new and previously unavailable techniques and media. This course should develop student awareness of career potential in the visual arts and help interested students wishing to prepare themselves for post-secondary study in fields relating to art. Students will continue their studies in Art History as well as develop their ability to critically analyze art and develop their understanding of composition. **A \$20.00 fee is expected for materials.**

Course Name: DRF601X DRAFTING

Prerequisite: CAR701W Drafting & Design Technology

This course will proceed from CAR701W (Drafting & Design Technology) onto advanced orthographic projection and sectional drawings, auxiliary views, fasteners, electronic schematic diagrams, exploded view drawings, development drawings, and architectural work in conjunction with construction technology students. **AUTOCAD** will be used extensively, along with an introduction to three dimensional rendering and modeling.

This course is intended for students who are 1) interested in acquiring fundamental skills in drafting and design; 2) wanting to develop problem solving skills; and/or, 3) intending to enter post secondary institutions relating to technology, science or engineering.

BUSINESS

Course: ACC621A Accounting Principles
Text: Accounting I (Fourth Edition)
Prerequisite: None

Accounting Principles is an introductory course that includes concepts, procedures, and computer applications in accounting with an emphasis on the accounting cycle. It is designed for students who plan to take business/accounting courses at the college or university level.

BUSINESS

Course: EST521A Entrepreneurship
Text: "The Entrepreneurial Spirit"
Prerequisite: None

The Entrepreneurship program is designed to facilitate an understanding of the requirements for successful implementation of entrepreneurial skills and attitudes.

The objectives of this course are to promote innovation, creativity, calculated risk taking, leadership, team building, written and oral communication skills and decision making proficiency. This course will include units on developing creativity, planning for a business, marketing a product or service, basic accounting, and financial strategy.

Learning activities will include individual and group presentations, written assignments, case studies, research project, discussions, portfolio self assessment and a written examination on the material covered in the textbook and class. The business community is involved to provide real learning. Business persons will make presentations and interact with students.

CAREER AND TRANSITION

Course: CAF801A Career Futures
Text: To be provided
Prerequisite: Successful completion of Grade Ten

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.

TRANSITIONS

Course: TRA602A Transitions
Prerequisite: Career Futures 801A

This course is a two credit program which gives students the opportunity to participate in five Holland College courses during a half day in a semester. A limited number of students will be selected through an interview process to be involved in this program. Students who successfully complete this course may be granted some consideration for entrance to Holland College.

CAREER AND TRANSITION

CAREER EXPLORATION COURSES

The goals and objectives of Career Exploration Courses are based on knowledge and skills drawn from specific occupations in the world of work. The general purpose of each course is to provide students with opportunities to explore the world of work and to have students develop introductory skills associated with specific careers.

Each course contains three types of objectives:

- a) knowledge of the specific employment related to the course;
- b) specific manual skills; and,
- c) common work and attitudinal skills.

Career Exploration Courses are offered in five cluster areas: Business and Information, People and the Service Industry, Construction and Manufacturing, Power and Mechanics, and Communications and the Arts. **Many of these courses require that students have the maturity to work independently and in groups on project work.** Course listings and descriptions are listed for each course by cluster.

CLUSTER TITLE	<u>BUSINESS AND INFORMATION</u>
BUS801W	ADVANCED KEYBOARDING & WORD PROCESSING
BUS801Y	INTRODUCTORY ACCOUNTING

CLUSTER TITLE	<u>PEOPLE AND THE SERVICE INDUSTRY</u>
PSI802Z	CHILD CARE (2 CREDITS)
HOS801A	HOSPITALITY/TOURISM
PSI801X	SPECIAL NEEDS SERVICES
PSI801Z	ENVIRONMENTAL MANAGEMENT
FSC801A	FOOD SERVICES

CLUSTER TITLE	<u>CARPENTRY TECHNOLOGY PROGRAM</u>
CAR701A	INTRODUCTION TO CARPENTRY TECHNOLOGY
CAR801B	STRUCTURES, SHAPING AND ASSEMBLY
CAR801D	CONSTRUCTION, PLANNING AND DESIGN \ (2 CREDITS)
CAR801E	ROOF SYSTEMS /

CLUSTER TITLE	<u>POWER AND MECHANICS</u>
AUT701A	INTRODUCTION TO AUTO SERVICE
AUT801A	BASIC POWER TRAIN \ (2 CREDITS)
AUT801B	BRAKE SYSTEMS /
PAM801Z	AUTOMOTIVE TECHNOLOGY
WEL701A	INTRODUCTION TO WELDING

CLUSTER TITLE	<u>COMMUNICATION AND THE ARTS</u>
CAR701W	DRAFTING AND DESIGN TECHNOLOGY (for continuation in this area, see DRF601X)
CAR701Y	CRAFTS I
CAR701Z	THEATRE ARTS I
CAR801Z	THEATRE ARTS II
CAR801W	PHOTOGRAPHY
CAR801X	ADVANCED VISUAL COMMUNICATIONS
CMM801A	CREATIVE MULTIMEDIA

CEC: PEOPLE AND THE SERVICE INDUSTRY

Course: PSI801X Special Needs Services
Text: To be assigned
Prerequisite: None

This course is designed to give an educational opportunity to students to work with special needs students. Students considering careers in related fields such as social worker, teacher, teacher assistant, and group home work, etc. could benefit from this experience.

This course will be conducted by a special education teacher, however, students will be expected to complete course work and assignments with minimal direction. Students should be highly motivated and mature. Interviews will be conducted to select 2 - 4 students per semester for the course.

Course: PSI802Z Child Care (2 credits)
Text: Working with Young Children
Prerequisite: Child Development 521 strongly recommended

This course is designed to give students an overview of child care and development, with a look at careers related to caring for pre-school aged children. Through active participation in a number of child care settings, students will gain an understanding of, and appreciation for, the way children develop, particularly children ages three to six. Students will investigate a number of child care careers and business opportunities by: 1) observing programs at various institutions which serve children, 2) developing skills needed to properly care for children, and 3) working directly with young children in a half-day daycare situation. Students are expected to learn independently and to develop a responsible work ethic.

Course: HOS801A Hospitality/Tourism
Text: To be assigned
Prerequisite: None

This course is designed to make students aware of the scope and relative importance of this industry to the people and economy of Prince Edward Island. Through interactive experiences with the industry, students will work on activities and projects which will help them be familiar with the various sectors of the industry: accommodation, food and beverage, recreation and entertainment, travel services and transportation. Students will become aware of their employability skills through class discussions and project work on telephone skills, interview techniques, resume writing and goal-setting. Also included in this course is a five-hour internationally recognized customer-service training program called *Super Host*.

Canadian Academy of Travel and Tourism (CATT) Level I Certificate

The Canadian Academy of Travel and Tourism (CATT) is a national program functioning within the high school context. The CATT program prepares high school students for entry into tourism jobs and can be a foundation for entry into some post secondary education programs. CATT offers certificates which are recognized in industry for students who complete the CATT program requirements. At Charlottetown Rural students may work and achieve a level certificate by the successful completion of the Hospitality/Tourism 801 course; completion of 25 hours of volunteer experience; and participation in a Tourism career workshop.

Course: PSI801Z Environmental Management
Text: To be provided
Prerequisite: None

This course focuses on students developing an awareness of the environment, as well as seeing the impact and responsibility they have in being part of the world community. Emphasis will be placed on student-directed discovery and group work. Individuals will have the opportunity to acquire both a theoretical and a practical appreciation for the wise management of our natural resources through the identification of solutions to environmental problems.

Course Name: FSC801A FOOD SERVICES
Prerequisite: Completion of grade ten

Food Service 801A is a career transitions course designed to create an awareness of the essential knowledge and skills that it takes to become a food service professional. Kitchen basics, nutrition basics, the food groups in Canada's Food Guide, local and international cuisine as well as careers in the food service industry will be introduced. The Food Service course will provide practical experiences through lab work.

CEC: BUSINESS AND INFORMATION

Course: BUS801W Advanced Computer Key & Word Processing
Text: Century 21 Keyboarding & Information Processing
Prerequisite: BUS701X Intro Computer Key & Word Processing or ITC401 Information Technology Communication

This course is designed for students who have met the touch keyboarding requirements of ITC401 or BUS701X. Students will further develop touch keyboarding and advanced word processing skills with a major emphasis on using problem-solving skills to process information efficiently and effectively. Stressed will be the concept of processing materials to meet both speed and quality required in business. The course extends the keyboarding, word processing and document production covered in BUS701X and ITC401.

Course: BUS801Y Introductory Accounting
Text: Century 21 Accounting, Introductory Course
Prerequisite: None

Introductory Accounting is designed as a foundation course in fundamental accounting principles, terminology, the significance of accounting in business, and accounting processes as applied to manual and automated data processing systems. The course stresses the preparation and maintenance of basic accounting records as a basis for further study, entrance to employment or personal use.

CEC: CARPENTRY TECHNOLOGY PROGRAM

The **Carpentry Technology** 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 Construction 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. Students wishing to continue in the trade at Holland College may be eligible for advanced standing and possible advanced credit depending on their level of success in the program. A passing grade of 70% is required for opportunities presented by Apprenticeship and Holland College.

Course: CAR701A Introduction to Carpentry Technology
Text:
Prerequisite:

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 glasses are required and may be purchased for \$5.00 at the school.**

Course: CAR801B Structures, Shaping and Assembly
Test:
Prerequisite: CAR701A, CAM701W OR CAM801W

This course 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 survey the common heavy equipment used on construction sites. A safety component focuses on fire prevention and control. The student will also learn to communicate through orthographic drawings and build on their essential trades math skills. **Safety glasses are required and may be purchased for \$5.00 at the school.**

CAR801D and CAR801E will be taught together for 2 credits.

Course: CAR801D Construction Planning and Design (double credit course with CAR801E)

Text:

Prerequisite: CAR701A, CAM701W or CAM801W

Construction Planning and Design will develop the preliminary building operations required prior to construction. Students will learn building layout and excavation methods. 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 glasses are required and may be purchased for \$5.00 at the school.**

Course: CAR801E Roof Systems (double credit course with CAR801D)

Text:

Prerequisite: CAR701A, CAM701W, or CAM801W

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 glasses are required and may be purchased for \$5.00 at the school.**

CEC: POWER AND MECHANICS

Course: AUT701A Introduction to Auto Service (This course replaces Power Mechanics Fundamentals PAM701Z)

Text:

Prerequisite: None

Introduction to Auto Service 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 an service wheels, tires and wheel bearings. This course is a prerequisite for all other Auto Service Technician courses. **Safety glasses are required and may be purchased for \$5.00 at the school. Students who have a credit in PAM701Z are not eligible to take this course.**

Course: PAM801Z Automotive Technology

Text:

Prerequisite: None

This course is designed to give students the basic knowledge and skills required to purchase, own, and maintain a motor vehicle. Topics which will be taught in this course are: buying a new or used vehicle, insurance, registration, inspections, general maintenance, regular service, preventative maintenance, and interior and exterior upkeep. Students will be introduced to the basic components of the automobile in this course.

For students who own an automobile or intend to own one in the future, the information and skills derived from this course will be a benefit to them in dealing with problems associated with owning a vehicle. **Safety glasses are required and may be purchased for \$5.00 at the school.**

The following two courses replace Automotive Services PAM802Z and will be taught together for two credits. Students with credit in PAM802Z are not eligible to take these courses.

Course: AUT801A Basic Power Train (Double Period course with AUT801B)

Text:

Prerequisite: AUT701A - Introduction to Auto Service or PAM701Z (and/or)
WEL701A - Introduction to Welding

A basic working knowledge of the major systems of a vehicle is essential for any Auto Service Technician. *The Basic Power Train* course introduces students to engine operation, cooling systems, and vehicle drive lines. 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; handle and dispose of coolants in an environmentally safe manner. Students will learn how to diagnose problems related to vehicle drive lines and identify the proper procedures to be followed to effect the necessary repairs. **Safety glasses are required and may be purchased for \$5.00 at the school.**

Course: AUT801B Brake Systems (Double Period course with AUT801A)

Text:

Prerequisite: AUT701A - Introduction to Auto Services or PAM701Z (and/or)
WEL701A - Introduction to Welding

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. **Safety glasses are required and may be purchased for \$5.00 at the school.**

Course: WEL701A - Introduction to Welding (This course replaces Metal Working Fundamentals CAM701Z)

Text:

Prerequisite: None

Introduction to Welding 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 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; and will be introduced to multiple welding techniques and processes. **Safety glasses are required and may be purchased for \$5.00 at the school. Students who have a credit in CAM701Z are not eligible to take this course.**

CEC: COMMUNICATIONS AND THE ARTS

Course: CAR701W Drafting & Design Technology

Prerequisite: Good math skills or permission from instructor

This course is designed to introduce students to the broad field of mechanical drawing, engineering, and technical practices. Students will learn to letter and draw neatly, interpret and use various kinds of lines, symbols, geometric figures, dimensions, and blueprints. The **AUTOCAD** drafting software will be used throughout the course.

This course is intended for students who are: 1) interested in acquiring fundamental skills in drafting and design; 2) wanting to develop problem solving skills; and, 3) intending to enter a post-secondary program relating to technology, science or engineering.

CEC:

Course: CMM801A Creative Multimedia

Prerequisite: None

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 and no pre-requisites are required.

Course: CAR801X Advanced Visual Communications

Prerequisite: CAR701X Introduction to Visual Communications or CMM801 - Creative Multimedia or permission of the Instructor

Topics explored include digital imaging and advanced video production using digital and analog video editing software.

Students are expected to obtain a VHS video tape for archiving project work. A \$5.00 lab fee is required for the purchase of media supplies. Students need to have the maturity to work independently in this course.

Course: CAR701Y Crafts

Text: To be assigned

Prerequisite: General Interest in this Field

The Crafts course is designed to introduce students to the industry of craft visual art. Students will be allowed to explore five different craft media which may include; 1) pottery, 2) handmade paper, 3) stained glass, 4) mosaic glass, 5) cut & pierce lamps and 6) marketry. Students will explore the growing opportunities within the craft industry through a research project and through workshops with Island artists.

Course: CAR701Z Theater Arts I

Text: The Stage and the School

Prerequisite: None

Theater Arts 701 provides an introduction to areas of drama including skills of voice and movement, improvisation, theater history, and sound and lighting methods. As a performance based course, students are expected to participate in theatrical productions. Therefore there will be essential extra-curricular commitment to rehearsals as needed and personal initiative and responsibility are required. Trust is placed in students when working in groups to maintain total commitment to the group and to be able to work at times with minimal supervision. Candidates may be screened for admission on the basis of these expectations.

Course: CAR801Z Theater Arts II

Text: The Stage and the School

Prerequisite: CAR701Z (or Related Experience with approval from the instructor)

Theater Arts 801 provides students with previous study or experience in drama the opportunity to develop their skills through performance, production and workshops. Students will be encouraged to explore areas such as play writing, directing, stage management, sets, props, lighting, sound and publicity. The course allows inquiry into a variety of possible theater genres according to interest. Depending on the year, this course also provides a background for involvement in the school musical (every second year) or the Drama Festival. A very high degree of personal responsibility, self-motivation and leadership are expected of all students in the course and screening for these qualities is part of the admission process.

Course: CAR801W - Photography
Text: Exploring Photography
Prerequisite: Ability to work independently and in small groups taking photos.

Photography 801 is a course designed to introduce students to the world of photography and provide them with all the skills necessary to become a competent photographer. **This course is for students who have a keen interest in photography. Students who are registering for this course will be expected to provide a written explanation of their interest in photography on the back of their registration form before they will be admitted to the course.** Students learn to operate a fully manual SLR (Single Lens Reflex) camera for the purpose of producing black and white negatives under a variety of shooting conditions. They learn the chemical processes to develop their own film and to produce prints from these negatives. As the term progresses the students will be introduced to various aesthetic considerations in order to produce not just technically correct photographs but also photos that are pleasing to the eye. Students are also exposed to the history of photography and the work of a number of professional photographers and are introduced to the world of digital photography. **Please note that a fee of \$20.00 is expected for materials.**

COMPUTER STUDIES

COMI

The following are the suggested courses for students who have an interest in learning the practical uses of computers. (See course descriptions)

Year	Course
Grade 10	ITC401A
Grade 11 or 12	CMP801A

The following are the suggested courses for students who have an interest in studying computer science at the University or College level. These courses cover technical topics such as programming and web design. These advanced computer courses have a high emphasis on problem solving and prepare students for future Computer Science study. (See course descriptions)

Year	Course
Grade 10	ITC401A
Grade 11	CMP521A
Grade 12	CMP621A

Course Name: ITC401A Information Technology Communications
Text: Century 21 Keyboarding & Information Processing and Computer Concepts/Materials provide by Instructor
Prerequisite: None

ITC401 is highly recommended for all students. In this course, students have the opportunity to enhance their skills in keyboarding, word processing, file management, computer literacy, e-mail usage, desktop publishing, visual presentations and spreadsheets. The above skills will benefit students in computer integration in other subject areas, in University/College courses, and in their personal use.

Course Name: CMP521A

Text: Provided by Instructor

Prerequisite: None

This is an introductory Computer Science course and a follow-up to the ITC401 course. It is an academic level 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 and addresses the following computer areas: Desktop Publishing, Visual Presentations, Literacy (ie. Computer systems, societal implications, career implication, etc.), Database, Spreadsheets, Web Page Design and Programming. Students who have a credit in CMP801 are not eligible to take this course.

Course Name: CMP801A

Text: Provided by Instructor

Prerequisite: None

This course is a practical (hands-on) follow-up to the ITC401 course. It is an open level course designed to allow students to acquire problem solving skills using the computer. The focus of this course is to help students solve real world problems with various application softwares and follows this syllabus: Desktop Publishing, Visual Presentations, File Management, Database, Spreadsheets, Internet Research, Web Page Design and Personal Finance. Students who have obtained a credit in CMP521 are not eligible to take this course.

Course Name: CMP621A COMPUTER STUDIES

Text: Provided by Instructor

Prerequisite: Computer 521 or permission of Instructor

The Computer 621 course is a continuation of the CMP521 course with special emphasis on the acquisition of problem solving, critical thinking, and independent learning skills. The syllabus of this course focused on programming, Internet publishing, and Operating systems and students will be required, through major projects, to demonstrate the attainment of the objectives of this course. A good standing in mathematics and the successful completion of the CMP521 course are highly recommended for this course.

COOPERATIVE EDUCATION

Course Name: CWS502A/B OR CWS602A/B

Text: Various Resources

Prerequisite: Grade 10

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. 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. Transportation to the work place rests with the student/guardian as a limited number of placements within walking distance are available. Regular attendance is a must.

NUTRITION AND FAMILY STUDIES

Course Name: FDS421A FOODS - NUTRITION AND YOU

Text: World of Food

Prerequisite: None

This is an introductory course designed to create an interest in the importance of good nutrition, good food choices and proper food preparation. The course will be delivered through both lectures and labs. Some areas covered include: Canada's Food Guide, nutrients - their uses and sources, weight control and eating disorders, nutritional needs throughout the life cycle, food selection and storage, and proper preparation of various foods, such as: quick breads, cakes, pies, vegetables, fruits, meats, milk, eggs and cheese. This course is open to students at all grade levels.

Course Name: CHD521A CHILD DEVELOPMENT

Text: The Developing Child

Prerequisite: None

The focus of this course is on good parenting skills gained through knowledge about children. The course explores child development from conception to age six. Development in the four main areas - emotional, social, intellectual and physical - is examined. The course looks at the decision to have children, care during pregnancy, labour and birth, the importance of discipline and play for children and careers dealing with children.

Course Name: HSG621A HOUSING - DECISIONS AND DESIGN

Text: Homes, Today and Tomorrow

Prerequisite: None

This course is designed to assist students in making wise, informed decisions in regards to housing for themselves and their families in the future. Areas covered in the course include: the history of architecture and its influence on housing today, housing choices, finances, housing features and systems, and a major section on interior decoration. A major design project will be completed during the second term of the course.

NUTR

Course Name: FAM621A FAMILY LIFE

Text: Families Today

Prerequisite: None

This course deals with the importance of the family to our society and looks at the relationships within the family and those beyond. The importance of communication, and other skills for healthy relationships are stressed. Other areas that are covered include: dating, independent living, mate choice, engagement, marriage, family challenges, parenthood, and later adulthood. Human sexuality including the impact of sexually transmitted diseases on individuals and society, and contraception, is also covered.

LANGUAGE

A. ACADEMIC

Course Name: ENG421A ACADEMIC ENGLISH

Texts: Sightlines 10, Resourcelines 10, Julius Caesar or A Midsummer Night's Dream, and two novels

Prerequisite: Grade 9

The main goal of this course is to help students gain the skills needed to become critical readers and writers. The Sightlines student anthology offers a wide range of quality literature by Canadian and world writers with a thematic or genre approach to enrich the student's comprehension of many selections. With the anthology and other texts used in this course, students will have the opportunity to improve their communication skills through a variety of oral and written presentations.

Course Name: ENG421AB ACADEMIC ENGLISH

Text: Sightlines 10, Resourcelines 10, Julius Caesar or A Midsummer Night's Dream, and two novels

Prerequisite: Grade 9

This course is an academic grade ten English course for all students enrolling in Music 421. Based on the English course timetable, alternate days with Music 421 from September to June. See description for the ENG421A course for course content and details.

Course Name: ENG421X LANGUAGE, "English in Transition"

Text: Language and Writing 10

Prerequisite: Grade 9

This course is designed to improve communication skills. The main focus of the course will be the writing process with a definite concentration on communication improvement through the revision process. Research writing will be introduced at this level which will be beneficial not only for English courses but for all course selections.

Course Name: ENG521A ACADEMIC ENGLISH

Texts: Echoes II, Romeo and Juliet, Merchant of Venice, or As You Like It and two novels

Prerequisite: English 421

English 521 examines the major genres such as poetry, essays, novels, short stories, drama; and provides supports (including assessment rubrics) that address all the Outcomes of APEF Language Arts Curriculum. While recognizing the diverse community of learners, English 521 requires all students to apply previously attained knowledge and skills in new ways; thus leading them to higher levels of achievement and increasing their capacity to attain new levels of understanding and skill while pursuing their academic goals.

LANGUAGE - ENGLISH

Course Name: ENG621A ACADEMIC ENGLISH**Texts:** Echoes 12, Hamlet, Macbeth, or Twelfth Night and two novels**Prerequisite:** English 521

This course emphasizes the consolidation of literacy, critical thinking, and communication skills. Students will analyze informational texts and literary works from various time periods, countries, and cultures; write research reports, reviews, and short analytical essays; listen and speak in collaborative contexts; and analyze the interactions among media forms, audiences, and media industry practices. Establishing an appropriate writing style and using business and technical language effectively will be accented.

Course Name: WRT521A CREATIVE WRITING**Texts:****Prerequisite:** English 421

This English course encourages students to develop creative ideas and express them through writing in a variety of forms and genres: poetry, short fiction, play writing and nonfiction, although teachers may explore additional creative forms to accommodate student interest. Students will compile a portfolio of their writing.

Regular mini-lessons on language conventions and usage will help students edit their own and others' work providing multiple opportunities, beyond those in the core English courses, for students to refine their writing skills through experiences in creative writing.

B. GENERAL**Course Name: ENG431A GENERAL ENGLISH****Texts:** Crossroads and two novels**Prerequisite:** Grade 9

Through the use of listening and speaking, reading and viewing, and writing and representing, English 431 will integrate a variety of texts with impact, literary quality, and relevance for a wide range of students. Supports for these texts include a full range of activities (including assessment rubrics) to help students develop their literacy skills.

Course Name: MED531A MEDIA**Text:** Understanding Mass Media**Prerequisite:** English 431 (recommended)

This course deals with the study of four areas of the mass media: television, radio, newspapers and magazines. Students learn the appropriate terminology to describe, discuss and compare the main features of the media. In addition, project work helps to develop an understanding of how media are used and produced. Beside the media themselves, advertising and the media forms are an important part of the course. For each medium, the methods and impact of advertising are examined.

Course Name: ENG531A GENERAL ENGLISH**Texts:** Passages II and two novels**Prerequisite:** English 431

English 531 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 judgements. 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.

Course Name: ENG631A GENERAL ENGLISH

Texts: Passages 12 and two novels

Prerequisite: English 531

Students in this course will read a wide variety of text and write a wide variety of forms to help them make meaning of the world they experience now and will experience as adults. Students will be provided with opportunities to speak clearly and with confidence and to listen attentively and respond appropriately in a small or a large group setting. As well, students will be provided with an assortment of visual communications to deepen their understanding and appreciation for this medium.

Course Name: COM801A - COMMUNICATIONS

Text: The Basics of Speech

Prerequisite: English 531/551

Communications 801 presents an opportunity for students to learn more about themselves by improving their communication skills. The course focuses on the following skills: team building, digital literacy, 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.

C. PRACTICAL

The senior high English courses at the Practical level are English 451, 551 and 651. Practical level courses are intended for students who find reading and writing difficult. The main goals of these courses are to improve both speaking and written communication skills and to find information for personal and job purposes.

Course Name: ENG451A PRACTICAL ENGLISH

Texts: Anthology I, Scope Magazine, Grammar and Composition I, Real Life Reading and Writing, Writing on the Job, novels

Prerequisite: Grade 9

Course Name: ENG551A PRACTICAL ENGLISH

Texts: Anthology II, Grammar and Composition II, Into Studying, Scope Magazine, novels

Prerequisite: English 451

Course Name: ENG651A PRACTICAL ENGLISH

Texts: World Anthology of Literature, Anthology III, Grammar and Composition III

Prerequisite: English 551

Course Name: LSK551A LIFE SKILLS

Texts: Language for Living 2, 3, 4, Read and Think 1 & 2, Survival Skills in the World of Work, Life Skills Writing, Life Skills Reading, Janus Job Interview Guide, Newspaper Workshop, Novels

Prerequisite: None (recommended in first year of senior high)

This course emphasizes everyday applications of reading, writing, speaking, listening and communicating. Activities are designed to improve thinking skills as well as to develop skills to deal with problems that arise in personal relationships at home, in school, at work or elsewhere. Role playing is undertaken to perfect job interview skills. Students learn how to fill out forms, write letters, apply for jobs, and enjoy and utilize the newspaper.

LANGUAGE - CORE FRENCH, FRENCH IMMERSION

D. CORE FRENCH

French 421A, French 521A, and French 621A courses are composed of modules organized according to the experience and interests of teenagers. Both oral and written communication is developed in the context of authentic situations and the goal is to have French be the only language of the classroom. For each module studied, the student will be responsible for completing a final project or task and all work in that unit will contribute to the success of that goal. Evaluation will be based on listening, oral production and interaction, reading comprehension and written production.

Course Name: FRE421A FRENCH**Text: En Direct I and Thematic Modules****Prerequisite: French 300A****Course Name: FRE521A FRENCH****Text: En Direct 2 and Thematic Modules****Prerequisite: FRE421A****Course Name: FRE621A FRENCH****Text: En Direct 2, En Direct 3, and Thematic Modules****Prerequisite: FRE521A****E. FRENCH IMMERSION**

The French Immersion Program at CRHS constitutes 25% of a student's timetable. This brief time frame for studying French places additional demands and requires more concentration and effort on behalf of the student in order to maintain and enrich their French Language skills. Choosing the Immersion Program of Studies goes hand-in-hand with a strong belief in bilingualism, and requires independent, individual study by the student in order to persevere in their continued development in the French language. Students are expected to speak French during their French Immersion classes.

Six French Immersion courses must be completed successfully for a student to obtain a French Immersion Certificate indicating that he/she has successfully completed a high school immersion program. It is understood that three of these credits will be for French Immersion Language courses.

Course Name: FRE421F FRENCH IMMERSION**Text: Novels, plays and themes to be provided.****Prerequisite: Grade Nine French Immersion Program (Early or Late) or permission of the department**

The objectives of this grade ten program are: to better the student's ability to understand and produce different types of oral presentations and written texts; and, to better answer his/her personal and social needs in communication. Themes studied are: the environment, languages, alcohol and drugs, entertainment, and newspapers. Literature and grammar will also play an important role in this course.

Course Name: FRE521F FRENCH IMMERSION**Text: Novels, plays and themes to be provided****Prerequisite: French Immersion 421**

French Immersion 521 is a continuation of the 421 level program objectives. Themes studied are: the various roles of men and women in society and consumerism. Literature and grammar will also play an important part in this course.

Course Name: FRE621F FRENCH IMMERSION**Texts: Novels, plays and themes to be provided.****Prerequisite: French Immersion 521**

This course continues the objectives of the grade eleven program. Themes studied are: human rights and racism, war and peace, and one's future plans. Grammar and literature will play an important part in this course.

F. FRENCH IMMERSION SOCIAL STUDIES

Course Name: HIS421G CANADA IN TODAY'S WORLD (FI)

Text: Le Canada Contemporain

Prerequisite: Grade 9 French Immersion

This is an academic course designed to provide students with the opportunity to learn about their rights and responsibilities as citizens of Canada and of the world. By focusing on contemporary issues, students will be able to clarify their perceptions of contemporary Canada and to look beyond Canada to concerns of significance to the world. The major themes studied are: French-English relations, Canadian-American relations, multiculturalism, immigration, and Canada's foreign policy.

Course Name: LAW521F INTRODUCTORY LAW (FI)

Text: Comprendre le droit canadien

Prerequisite: Fre 521F

This is an introductory law course designed to give students an overview of the following legal topics: Introduction to the Canadian legal system, rights of the individual, criminal law, civil law, the youth criminal justice act, family law.

Course Name: SOC621F INDIVIDUAL IN SOCIETY (FI)

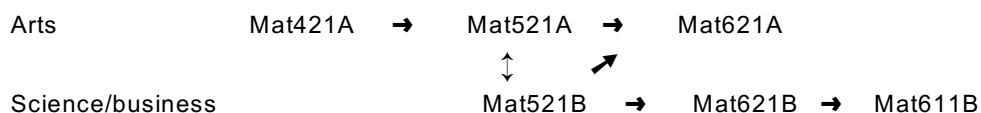
Text: To be assigned

Prerequisite: Fre 621F

This course is an introduction to social and psychological issues and is designed to develop students' understanding of society and of their own needs and motivations. Students will learn social science research procedures involving experiments, surveys and reports. Learning activities also include discussions, debates, role-playing, case studies, and exposure to a variety of print and non-print media. The course embraces four major themes: 1) The Individual in society, 2) Human Communication, 3) The Impact of Culture, and 4) Social Institutions. Optional themes: 5) Prejudice and Discrimination, and 6) The Economically Underprivileged in Society.

MATHEMATICS

Academic Math Routes



A. ACADEMIC (All students taking academic math are required to have a scientific calculator)

Course Name: MAT421A MATHEMATICS

Text: Math Power 10

Prerequisite: Grade Nine Academic Math

MATHEMATICS

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. **It is recommended that students have a good background in Grade 9 mathematics.**

Course Name: MAT421AM ACADEMIC MATHEMATICS
(Everyday - September to June)

Text: Math Power 10

Prerequisite: Grade Nine Academic Math

This course is to be selected by students who, **upon the recommendation of their junior high school**, plan to take math everyday from September to June. Refer to the description for MAT421A for course content.

Course Name: MAT521A MATHEMATICS

Text: Math Power 11

Prerequisite: Mathematics 421A

A second level academic mathematics course which is intended for all students planning to attend university and will be needed for some Holland College courses as well. It introduces students to topics such as: Systems of Linear Equations, Quadratic Functions, Trigonometry, Consumerism and Matrices and Networks.

Course Name: MAT521B MATHEMATICS

Text: Math Power 11

Prerequisite: Math421A with at least 65% and maintain an average of 65% in Math521A

This course is highly recommended for students planning to enter university business or science programs. The topics covered are: Radicals, Reasoning, Justification and Proof; Plane and Coordinate Geometry; Linear Inequalities and Linear Programming; Rational Expressions; Equations, Inequalities and Developing A Function Toolkit. This course is a prerequisite for Math 621B.

Course Name: MAT621A MATHEMATICS

Text: Math Power 12

Prerequisite: Math 521A

A third year academic mathematics course intended for all students planning to attend university and will be required for some Holland College courses as well. Topics covered are: Developing a Function Toolkit; Exponents and Logarithms; Sequences and Series; Trigonometric Functions; Combinatorics and Probability; and Statistics.

Course Name: MAT621B

Text: Math Power 12

Prerequisite: Math 521A and Math521B (70% recommended in both)

A third year mathematics course intended for all students planning to enter university business or science programs. The topics covered are: Transformations; Exponents and Logarithms; Sequences and Series; Trigonometric Functions; Combinatorics and Probability; and Conics.

Course Name: MAT611B INTRODUCTORY CALCULUS

Text: Math Power 12, Calculus and Advanced Functions

Prerequisite: Math521B with at least 70% at mid term or Permission of Instructor and maintain an average of 70% in Math621B

This course is designed for students with a strong mathematical background planning to enter university business or science programs. The topics covered are: Advanced Trigonometry; Complex numbers and Polar Coordinates; Functions and Limits; Derivatives and Applications; and an introduction to Integration.

B. GENERAL

Course Name: MAT431A GENERAL MATHEMATICS

Text: Essentials in Math 10

Prerequisite: None

An introductory mathematics course which demonstrates how to use mathematics in everyday life. Combined with the grade 11 mathematics course, Math 531A, and the grade 12 mathematics course, Math 631A, 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; Spreadsheets; Consumer Decisions; Geometry and Trigonometry; and Sampling and Probability.

Course Name: MAT531A GENERAL MATHEMATICS

Text: Essentials in Math 11

Prerequisite: Math 431 or Math 421

This course continues the exploration of how to use mathematics in everyday life. Combined with grade 12 mathematics, Math 631A, it may meet requirements to enter some community college programs. This course includes topics that prepare students to enter the work force directly from high school, such as, Income and Debt; Data Analysis; Measurement Technology; Relations and Functions; Owning and Operating a Vehicle and Personal Income Tax.

Course Name: MAT631A GENERAL MATHEMATICS

Text: Math Matters 3, Math for Business, and Exploring Probability

Prerequisite: Math 531 or Math 521

This course includes topics in algebra, probability, trigonometry, and consumer mathematics. In algebra, factoring and solving linear equations are studied. The consumer topics include taxes, home ownership along with various types of investments.

B. TRADES MATH

Course Name: MAT801A APPLIED MATHEMATICS

Text:

Prerequisite: MATH 421 OR MATH 431

This course emphasizes essential mathematical skills that are used in various trade-related careers. Students are involved with a variety of hands-on activities directly related to mathematics and the trades. The units of study include: Mathematical Essentials, Construction/Housing, Electrical, Spatial Sense, and Fabrication.

D. PRACTICAL

These math courses are individualized. Students work at their own pace but must cover a required core content to obtain a credit. These courses have a required number of units which students must complete with a 70% mastery level to obtain credit. Additional units of work may be attempted by students to increase their grade.

Course Name: MAT451A PRACTICAL MATHEMATICS

Text: Math in Life, 3rd Editions (Scott, Foreman)

Prerequisite: Junior high mathematics, Grade 9

Intended for students who have considerable difficulty with mathematics, this course emphasizes the subject as it is typically found in many occupations such as those associated with supermarkets, restaurants and banks. In addition, the course stresses personal applications of mathematics. Among these are the mathematics of pay slips, budgets and measuring.

Course Name: MAT551A PRACTICAL MATHEMATICS
Text: Math in Life, 3rd Editions (Scott, Foreman)
Prerequisite: Grade 10 mathematics

This course includes concepts and skills in the following areas: fractions and percentages, interpretation and calculations of statistics, basic algebra, reading and drawing graphs, area and volume, and perimeter.

Course Name: MAT651A CONSUMER & CAREER MATH
Text: Consumer and Career Mathematics
Prerequisite: Grade 11 Mathematics

This course continues the individualized work of earlier practical math courses and concentrates on practical applications. Topics include budgeting, banking, purchase and investments (especially buying a car and house), problems of house decorations, employment income, income tax, life insurance, and consumer credit. Work supplementary to the text can be assigned to each student depending on their interests.

MUSIC

A. INSTRUMENTAL MUSIC

Course Name: MUS421AB - Band
Text: To be provided
Prerequisite: Jr. High School Band or permission of the Band Teacher

This course is designed as a transition from junior high band to senior high band. The student will build on the skills learned in junior high. The major emphasis will be on acquiring technical skills required to mature musically. Technical - all major and harmonic minor scales one octave each. Chromatic scale two octaves. Skills associated with drill on those scales.

Music Literature - students will perform chosen examples of band literature and be tested on their mastery of the examples. Music Theory - review of major and minor scales, intervals.

Course Name: MUS521AB - Band
Text: To be provided
Prerequisite: Music - Band 421

The course is a continuation of the Music - Band 421 program. Performance of one selection of solo literature is required.

Course Name: MUS621AB - Band
Text: To be provided
Prerequisite: Music - Band 521

The course is a continuation of Band 521. Performance of two examples of solo literature for respective instrument is required.

B. MUSIC STRINGS

Course Name: Music 421, 521, 621 - Strings
Prerequisite: Permission of the instructor and/or at least 3 years of experience in a strings program

This is an orchestral program which may be taught 2 days/week after school hours at Charlottetown Rural. Students will be tested individually on technique and will have the opportunity to perform in public.

MUSIC

C. MUSIC APPRECIATION

Course Name: MUS801A Styles of Popular Music

Text: Rock and Roll: Its History and Stylistic Development

Prerequisite: None

This course will introduce students to a study of popular music from the 1950s to the 1970s. Students' learning will center around the following: an examination of music in our lives, including its roles, genres, social context, and ways that it is experienced; distinguishing between listening and hearing (active and passive listening); and developing an understanding of terms and concepts associated with the elements of music that enable students to consider and discuss what they listen to, using the language of music.

D. JAZZ STUDIES

Course Name: MUS521X/621X JAZZ STUDIES

Text:

Prerequisite: Music 421 and/or Instructor's permission

This course is designed as an introduction to the various styles of Jazz. Music ranging 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.

PHYSICAL EDUCATION

Course Name: PED401A NEW DIRECTIONS IN PHYSICAL EDUCATION

Text: To be assigned

Prerequisite: None

This course will provide students with an introduction to recreational activities at the high school level. There will be some content related to the theoretical background for active living however emphasis will be on practical aspects rather than on concepts.

The intention of the program is to involve students in recreational aspects of school life and hopefully to provide a broad base for life-long recreational pursuits.

Activities include: fitness training and testing, soccer, touch football, girls field hockey, jogging, volleyball, badminton, recreational games, softball, rugby, Australian Rules Football (boys), goalball, basketball, archery, bowling.

Course Name: PED801A PHYSICAL EDUCATION - LIFE STYLE

Text: None

Prerequisite: Successful completion of Phys. Ed. 401 or Phys. Ed./Family Life 421

This course is an activities course which encourages students to make a commitment to an active lifestyle focusing on health and fitness. As well, it provides the opportunity for students to do career exploration in the physical education/recreation fields. The activity portion of the program will be an extension of the activity offerings in grade ten physical education as well as a fitness component.

The career exploration components will feature interviews, lectures and two projects requiring sessions with professionals from the physical education/recreation fields. There is a component of this course which requires 10 hours of volunteer time within the school and /or the community. There will be a small number of field trips included as well. This component should enlighten the student as to possible employment opportunities within the field.

PHYSICAL EDUCATION

PHYSICAL EDUCATION

Course Name: PED621A LEADERSHIP IN PHYSICAL EDUCATION

Text: Concepts of Physical Education

Prerequisite: Physical Education 401 or permission of the Instructor

The objective of this course is to develop an appreciation of recreational sport and games as life-long activities and a means to fitness, health, and active living.

Fitness concepts will be studied in depth and various exercise programs will be used to facilitate the learning of these concepts.

Some emphasis will be placed on administration of recreational events. Topics covered will include scheduling, basic physiology and anatomy pertaining to muscles and bones, leadership concepts, nutrition and rules of training.

There is a component of this course which requires students to donate thirty hours of volunteer time within the school and/or the community.

Students will have the opportunity to obtain a Level 1 standing in the National Coaching Certification Program.

PEER HELPER

Course Name: RHP701A PEER HELPER

Text:

Prerequisite: None (Interviews will be conducted to select students, exemplary attendance and adherence to our school Code of Conduct are essential for acceptance in this course)

Students enrolled in this full credit program will have the opportunity to earn a credit while helping other students with special/unique educational needs to meet the many challenges they encounter in the integrated setting and/or the resource room. The Peer Helpers may work one-on-one or with small groups of students and are closely supervised by the classroom teacher and/or resource teacher. After being selected through an interview process, the successful applicants will be given a brief training program. This program will outline the roles and responsibilities of Peer Helpers and present strategies and techniques to help Peer Helpers in their work with students.

Course Name: PHP801A PEER HELPER

Text:

Prerequisite: Interviews will be conducted to select students

Students enrolled in this full credit program will be using the skills they developed during their pursuit of the PHP701 credit. These experienced Peer Helpers may work one-on-one with students with special educational needs either in the regular classroom setting or in the resource room to facilitate their individual programs according to directions from the supervising teacher.

RESOURCE

Course Name: Resource 401A

Text:

Prerequisite: Students must be referred/recommended by the students' teachers, student services team and/or school administration for entrance into this course.

The purpose of this course is to provide support for those experiencing learning challenges. Initial assessments will be conducted to determine the student's struggles with learning. Students will strengthen areas of academic concern using a variety of techniques, depending on their individual challenges. Some strategies include: communication skills (both oral and written), time management, study skills, organization, and research. Students will develop an awareness of their personal learning styles and academic strengths, enhancing their opportunities for academic success. Regular attendance is mandatory for credit in this course.

PEER

PHYSICAL EDUCATION

Course Name: Resource 501A and 601A

Text:

Prerequisite:

A student may take up to three resource courses for credit during high school. The entrance criteria as well as goals and outcomes for 501A and 601A are based on those already stated in Resource 401A (please see above).

SCIENCE

A. SCIENCE

Course Name: SCI421A SCIENCE

Text: Science 10 (Nelson)

Prerequisite: None

This course introduces students to topics that are relevant in today's world. It should inspire students to continue their study in the sciences in later years. Topics covered are Sustaining Ecosystems, Chemical Processes, Motion, and Weather Dynamics.

Course Name: SCI431A GENERAL SCIENCE

Text: Science 10 Concepts and Connections

Prerequisite: None

This course introduces students to topics that are relevant in today's world. It should encourage students to become interested and inquisitive in the scientific world. The course is divided into four units: Sustaining Ecosystems; Chemical Processes; Motion and Weather Dynamics. Anyone taking Math 431 or Math 451 is advised to take this course rather than Science 421.

Course Name: SCI431AP MODIFIED SCIENCE

Text: Various

Prerequisite: None

This course is designed for the practical student. It is a modification of General Science designed to meet the needs of the individual student.

B. BIOLOGY

Course Name: BIO511X

Text: Biology (Nelson)

Prerequisite: Science 421 with a semester mark of at least 75%

This course addresses an over-view of basic microbiology with consideration of the development of the modern cell theory, cell structure/reproduction and the importance of cell chemistry. Specific emphasis is placed on DNA as the molecule of life and its structural and functional implications in protein synthesis and heredity. Independent study/research activities will address topics of genetic engineering including recombinant DNA and biotechnology, with applications in medicine, forensics, agriculture, etc. Microscopy and corresponding lab work will serve to reinforce course work.

Course Name: BIO611X

Text: Biology (Nelson)

Prerequisite: Biology 511

This is a biological study that begins with the topics reproduction and genetics. The survey of the animal kingdom will then be conducted, cumulating with a study of the various organ systems in humans. A major part of the course will involve labs, including dissection of representative organisms in the different groups of animals. Students are expected to acquire a dissection kit (cost \$11.00 if purchased at CRHS).

SCIENCE - BIOLOGY

Course Name: BIO521A BIOLOGY
Text: Biology (McGraw-Hill Ryerson)
Prerequisite: Science 421

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. Matter and Energy for Life; 2. Biodiversity; 3. Maintaining Dynamic Equilibrium I (systems: Circulatory, Respiratory, Digestive, Excretory, Immune); and 4. Interactions Among Living Things.

Course Name: BIO621A BIOLOGY
Text: Biology (McGraw-Hill Ryerson)
Prerequisite: Biology 521

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.

Course Name: BOT621X Botany
Text: Biology: The Dynamics of Life
Prerequisite: Science 421A

This course may be of particular interest to grade eleven or twelve students interested in studying the biology of plants. Topics include the structure, life cycles, and classification of plants and the role they play in society. A greenhouse project is a major component of this course.

Course Name: BIO801A HUMAN BIOLOGY
Text: Biology - An Everyday Experience (Glencoe)
Prerequisite: None

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. Students who have a credit in BIO631A are not eligible to take this course.

C. AGRISCIENCE

Course Name: AGS801A AGRISCIENCE
Text: Agriscience, Fundamentals & Applications, 2nd Edition (Cooper)
Prerequisite: None

This course focuses on material resource management and agriculture. Local information is used wherever possible to introduce students to the topics of aquaculture, plant sciences, PEI potato industry, food science and food safety biotechnology, pest management and soil and water quality. Several teaching methods will be used to meet course objectives but the focus will be on daily seat work, group and individual projects.

D. CHEMISTRY

Course Name: CHM511A ADVANCED CHEMISTRY

Text: Chemistry (McGraw-Hill Ryerson) and Supplemental Resources

Prerequisite: At least 75% in Science 421 and Math 421

The Advanced Chemistry program should be of interest to those students who like science and work in the laboratory. Science as a process is a constant consideration throughout this program. Students are expected to have strong math, problem-solving, and communication skills and the ability to work independently. This course covers the same units of study as Chemistry 521A (Stoichiometry; Structures, Properties, and Bonding; and Organic Chemistry) but in greater depth and with additional topics in these areas.

Course Name: CHM611A ADVANCED CHEMISTRY

Text: Chemistry (McGraw-Hill Ryerson) and Supplemental Resources

Prerequisite: Chemistry 511

The approach taken in Chem 511A is continued with an introduction to thermochemistry, solutions, kinetics, equilibrium, acids and bases, and electrochemistry.

Course Name: CHM521A CHEMISTRY

Text: Chemistry (McGraw-Hill Ryerson)

Prerequisite: Science 421 and Math 421

This course provides the students with the basic principles of chemistry. The outcomes learning approach encourages clear connections between scientific knowledge, society, technology, and the nature of science itself. The course consists of three units of study: Unit 1 - Stoichiometry; Unit 2 - Structures/Properties/Bonding; and Unit 3 - Organic Chemistry.

Course Name: CHM621A CHEMISTRY

Text: Chemistry (McGraw-Hill Ryerson)

Prerequisite: Chemistry 521

This course is a continuation of Chemistry 521. The course will include four units of study: Unit 1: Thermochemistry; Unit 2: Solutions/Kinetics/Equilibrium; Unit 3: Acids and Bases; and Unit 4: Electrochemistry.

E. PHYSICS

Course Name: PHY521A PHYSICS - Intro to Mechanics; Waves

Text: Physics (McGraw-Hill Ryerson)

Prerequisite: Science 421, Math 421 (recommended)

Topics covered include: linear motion, graphing motion, forces and Newton's Laws, momentum and energy, Conservation Laws; an introduction to waves, studying behaviors and characteristics of mechanical, sound, and light. Lab work will supplement the class work. Note: Physics 521A will be a prerequisite for Physics 621 for the school year 2009 - 2010. Physics 621A will become mechanics in two dimensions (vectors, satellite motion, projectiles, circular motion) and electricity.

Course Name: PHY621A PHYSICS - Mechanics

Text: Physics: Principles and Problems (Merrill)

Prerequisite: Physics 521 and Math 521 (are both recommended)

The topics covered include: linear motion, forces and vectors, two dimensional motion, work, and energy. A strong emphasis is placed on the lab component, which complements the topics studied. A scientific calculator is recommended for this course.

SCIENCE - PHYSICS

F. OCEANOGRAPHY**Course Name: OCN621A OCEANOGRAPHY****Text: Oceanography****Prerequisite: Science 421**

This course will cover topics relating to geological, physical, chemical, and biological oceanography. Through study and, where possible, observation, our province's marine system will be investigated in respect to tides, currents, fish, marine mammals, plankton, beach profiles, saltwater analysis, navigation principles, and ocean floor characteristics.

G. CONSERVATION**Course Name: ENV521X Conservation****Text: To be provided****Prerequisite: None**

This course provides the students with the opportunity to develop an appreciation and awareness of the natural and human environment.

Time is spent investigating both theoretical and practical aspects of many ecological principles and environmental issues which effect Islanders. The program includes a range of environmental topics such as forestry, waterfowl habitat, wildlife management, ecology, orienteering, and native plants and animals of this province. Skills relevant to accessing the outdoor environment may be taught i.e. cross country skiing and canoeing. These skills and activities are utilized to demonstrate why we must live in harmony with and have an understanding of our environment. A portion of the program will be conducted in the outdoor environment.

SOCIAL STUDIES**A. CANADIAN STUDIES****Course Name: CAS401A Canadian Studies****Text: To be provided****Prerequisite: None**

This course tends to be sequential to the grade 9 program "Atlantic Canada in a Global Community" where students have explored many of the aspects of interdependence within an Atlantic Canadian and world context. Areas of study in the CAS 401 course include geography, history, economics, culture, and citizenship. The course is intended to engage students in a broad overview of historical and contemporary factors that form and continue to influence our identity as a country - Canada.

B. GEOGRAPHY**Course Name: GEO421A GEOGRAPHY OF CANADA****Text: Canada, Exploring New Directions****Prerequisite: None**

This course begins with a study of the physical geography of Canada. Topics include demography, natural resources, transportation and communication. It is expected that students will have a better understanding of their own country through this course and that this knowledge will increase their understanding of current events and issues both now and in the future.

SOCI

Course Name: GEO521A GLOBAL STUDIES

Text: World Geography (Glencoe)

Prerequisite: Geography 421A is preferred

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.

Course Name: GEO531A WORLD GEOGRAPHY

Text: World Geography (Health)

Prerequisite: None

This course will help students learn the political and geographical layout of the earth by emphasizing geographical skills in the world setting. Each student will be expected to give oral and written presentations throughout the semester.

C. HISTORY

Course Name: HIS421A ANCIENT AND MEDIEVAL HISTORY

Text: World History: The Human Experience

Prerequisite: None

This course consists of a brief survey of topics ranging from the Old Stone Age, the New Stone Age, the early civilizations in Mesopotamia, Indian and China. Special emphasis will be placed on Greek and Roman history. Studies move as far as the Middle Ages, thus preparing students for HIS521A Modern World History.

Course Name: HIS521A MODERN WORLD HISTORY

Text: World History: The Human Experience

Prerequisite: History 421 is preferred

Modern European History begins in the 1400's with the Age of Discovery and the Renaissance. It continues with a survey of major developments in Western History, including the Reformation, Age of Absolutism, the Enlightenment, British, American and French Revolutions and the industrial Revolution. As time permits, the course may continue with studies leading up to and including the World Wars, the Cold War and a variety of possible topics from the 20th Century. This course should provide students with an understanding of the story of Western World History and the key ideas and events which have shaped Modern Western Civilization.

Course Name: HIS621A HISTORY OF CANADA

Text: Canada's History: Voices and Visions

Prerequisite: History 421A, HISTORY 421G, or HISTORY 521 is preferred

SOCIAL STUDIES - HISTORY

Canadian history is organized around five continuing, non-persistent questions in Canada's history. These are questions of current concerns having deep historical roots that previous generations of Canadians have had to address. Their efforts have shaped the development of Canada and its identity. These questions form the basis for five of the six units in the course: *Globalization, Development, Sovereignty, Governance, and Justice*. The sixth unit, *Independent Study*, engages students in a specific piece of historical research. Historiography and the historical method are central to this course in its examination of Canada's history from the first peoples in North America to the present. Key topics studied through these approaches include, but are not limited to, First Nations, Colonialism, Confederation, the World Wars, Free Trade, Constitutional Issues, Canada's Role in the Global Community, Industrialization, Human Rights Issues, and Immigration/Migration.

Course Name: HIS621B P.E.I. HISTORY
Text: Various Resources
Prerequisite: History 421, 521 or Geography 421 is preferred

This course studies the story of PEI with a twofold interest in the narrative of the Island's History from pre-history and founding peoples to the present and, simultaneously, an exploration of the unique culture and diverse heritage of the people who have made PEI their home. Emphasis is placed upon "hands-on" projects and inquiry through activities and projects which ask students to find their own heritage through their elders, their own communities and their extended ancestry. Ultimately, a renewed appreciation for PEI as a place to live and a place to build a future is a major goal of the course.

Course Name: HIS631A WORLD SURVEY
Text: Pageant of World History
Prerequisite: None

This general level course, a study of world history from the 1600's to the present day, will consider the ages of absolutism, reason and revolutions. The French Revolution and the Industrial Revolution are major topics as well as both World Wars. Students will gain a better understanding of some historic figures such as Cromwell, Napoleon, and Hitler.

D. ECONOMICS

Course Name: ECO621A INTRODUCTORY ECONOMICS
Text: Made in Canada
Prerequisite: None

Economics 621A is a very useful course for students who are considering Business Administration. Areas of study include: monetary and fiscal policy, personal finance, as well as types of businesses and their markets. Areas peculiar to Canada include its stock markets, banking systems, and economic goals and objectives. Students planning to study economics should have an interest in current events and enjoy class discussions.

D. POLITICAL SCIENCE

Course Name: POL521A INTRODUCTORY POLITICS
Text: To be provided
Prerequisite: History 421 is preferred

Section one of the course involves a study of general concepts such democracy, the individual, protest, minority rights; while section two deals with the system of Government in Canada. It is anticipated that the course will provide students with an awareness of political concepts, enable them to form logical opinions on issues, and will develop in them the ability to express their point of view in both written and oral form. Students will be expected to follow current political events that relate to class content.

Course Name: POL621A ADVANCED POLITICAL STUDIES
Text: Ideologies
Prerequisite: Political Science 521 or History 421 is preferred

The goal of this course is to provide students with a better understanding of the world by examining the advantages and disadvantages of the major political systems of the twentieth century. Students will study the values of democracy and dictatorial forms of government. They will be challenged to rethink their values and beliefs by analyzing many viewpoints on significant world problems through such activities as debate, group discussion, research, writing, role playing, etc. Students will be expected to follow current political events that relate to class content.

E. LAW

Course Name: LAW521A INTRODUCTORY LAW

Text: Law in Action, Understanding Canadian Law

Prerequisite: History 421 is preferred

This course is an introduction to Canadian Law with an exploration of fundamental concepts such as the history and purpose of law, development of law, and administration of law in Canada. The course is organized into units that include Foundations of Law, Criminal Law, and Civil Law. Another unit, based upon an inquiry approach, provides an opportunity for students to further explore specific areas of interest that are not included in the core units such as Family Law, Contractual Law, Aboriginal Law, Media and Internet Law, and other areas.

Course Name: LAW531A LAW

Text: The Law in Canada

Prerequisite: None

This course is similar to Law 521 in that it provides an introduction to many of the same concepts. Students will be able to enhance their understanding of Canadian Law through the use of case studies and explorations of legal issues. The course is organized into three units: Foundations of Law, Criminal Law, and Civil Law. Topics of study will include the trial procedures, Youth Criminal Justice Act, sentencing, and remedies and defenses among other areas of interest.

F. PRACTICAL SOCIAL STUDIES

Course Name: SOC451A Practical Social Studies

**Text: Canada: Its Land and People; Citizenship: Rights and Responsibilities;
Youth Justice Information Kit**

Prerequisite: None

This course centers on the study of Canadian Geography, Current Issues, Citizenship and Youth Law.

Course Name: SOC851A Practical Social Studies

Text: My Country, Our History; Foundations: Structure and Function of Government

Prerequisite: None

This course centers on the study of 20th Century Canadian History, the Structure and Functions of Government, Current Issues, and Adult Law.