Charlottetown Rural Course Handbook
2003-2004
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We are pleased to provide this course handbook for students and parents to assist with course planning for the 2003-2004 school year. 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 increasingly 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.

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 handbook 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 1070 students in a wide range of programs and extracurricular opportunities. We are pleased to highlight some of these services and learning opportunities.

Student Services

The adolescent of the new millennium faces increasingly complex decisions whether in the personal domain or in career choices. Two counsellors are available to provide counselling services to students to assist them in decision making. In this student centered facility students can find calendars, application forms, brochures, etc. for most Canadian universities, colleges and other 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. All grade ten homerooms are assigned a counsellor who outlines services available to students through the Student Services Department.

Library/Resource Centre

Charlottetown Rural High School Library/Resource Centre 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, organizes school events such as dances, theme days, and other initiatives determined by Council. A wide range of clubs are available to students such as SADD, Yearbook, Drama, Peer Helper, 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, 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:
In general, students who have obtained a minimum average of 65 per cent in five academic subjects at the grade twelve level (including English and Math) are eligible for entrance to university. It should be noted that a number of post secondary institutions have higher entrance requirements. Minimum requirements do not guarantee acceptance in programs with limited enrollment. Students are responsible for checking entrance requirements for programs at the post secondary level.
Please note that students wishing to pursue university studies in science or studies in science related fields must complete grade twelve academic English, math and two of the following grade twelve academic sciences: chemistry, biology, and physics.

A grade twelve academic social studies or language is required for arts programs at many universities.

**Scholarships/Bursaries/Awards:**

Graduating students are encouraged to compete for entrance scholarships to post-secondary institutions. Marks are of prime importance in consideration for scholarships. Extra curricular activities in school and community are sometimes considered. University rank order will be determined by the average of the four highest university preparatory courses taken by the students in grade eleven and the first semester of grade twelve. All students are encouraged to check information on scholarships, bursaries, and awards available through the Student Services Centre.

**GRADUATION REQUIREMENTS**

a) Since September 2000, students who enter grade ten must have at least 20 course credits to graduate.
b) Students who entered grade ten in the 1999-2000 school year must have at least 19 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, and conservation.

**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 is awarded to the graduating student with the highest average in the last two years of high school involving:

- six 500 level academic credits including English and math; and,
- six 600 level academic credits including English.
Academic courses may include the highest course level offered at the school. Only full-time students are eligible for this award.

The policy outlining minimum academic requirements and administration for the Governor General’s Medal is available from the P.E.I. Department of Education.

**Awards for Grades 10 and 11 Honor Students:**

An awards ceremony will be held each October at which 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:

<table>
<thead>
<tr>
<th>First Digit</th>
<th>Year</th>
<th>Second Digit</th>
<th>Level of Program</th>
</tr>
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<tr>
<td>4</td>
<td>1st year (grade 10)</td>
<td>0</td>
<td>Open</td>
</tr>
<tr>
<td>5</td>
<td>2nd year (grade 11)</td>
<td>1</td>
<td>University Preparatory (enriched/advanced)</td>
</tr>
<tr>
<td>6</td>
<td>3rd year (grade 12)</td>
<td>2</td>
<td>University Preparatory (academic)</td>
</tr>
<tr>
<td>7</td>
<td>Grade 10 or 11</td>
<td>3</td>
<td>General</td>
</tr>
<tr>
<td>8</td>
<td>Grade 11 or 12</td>
<td>5</td>
<td>Practical</td>
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<td></td>
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<td>6</td>
<td>Modified</td>
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Example: HIS421A - Grade 10 Academic History
          One Credit

<table>
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<tr>
<th>Third Digit</th>
<th>Credit</th>
<th>Credit to distinguish between courses that would otherwise be identical in their coding:</th>
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<tr>
<td>1</td>
<td>one credit</td>
<td>A to E = English - language courses</td>
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<tr>
<td>2</td>
<td>two credits</td>
<td>F to J = French Immersion courses</td>
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<td></td>
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<td>V to Z = local program courses</td>
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**COURSE OFFERINGS**

**GRADE 10**

**COMPULSORY:**
ENG421A - ACADEMIC ENGLISH OR
ENG421AB - ACADEMIC ENGLISH (FOR STUDENTS WHO TAKE MUSIC421-BAND), OR
ENG431A - GENERAL ENGLISH OR
ENG451A - PRACTICAL ENGLISH

ENG421X - ACADEMIC LANGUAGE (Academic Students)
LSK551A - LIFE SKILLS (Practical Students)

MAT421A - ACADEMIC MATHEMATICS OR
MAT421AM - ACADEMIC MATHEMATICS (EVERY DAY ALL YEAR)
MAT431A - GENERAL MATHEMATICS OR
MAT451A - PRACTICAL MATHEMATICS

SCI421A - ACADEMIC SCIENCE (SCIENCE, TECHNOLOGY & SOCIETY) 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
HIS421G - CANADA IN TODAY'S WORLD (French Immersion) OR
CAS401A - CANADIAN STUDIES 401(General) OR
SOC451A - SOCIAL STUDIES (Practical)

PED401A - NEW DIRECTIONS IN PHYSICAL EDUCATION OR
FAM421A - PHYSICAL EDUCATION/FAMILY LIFE

ELECTIVES
ART401A - ART
ENV521X - CONSERVATION
CAM701X - WOODWORKING FUNDAMENTALS
CAM701Z - METAL WORKING FUNDAMENTALS
CAR701W - DRAFTING & DESIGN TECHNOLOGY
CAR701X - INTRODUCTION TO VISUAL COMMUNICATIONS
CAR701Y - CRAFTS I
CAR701Z - THEATRE ARTS I
FDS421A - FOODS
FRE421A - FRENCH
FRE421F - FRENCH IMMERSION
ITC401A - INFORMATION TECHNOLOGY COMMUNICATION
MUS421A - MUSIC (Please state Band or Strings)
PAM701Z - POWER MECHANICS FUNDAMENTALS

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

GRADE 11
COMPULSORY:
ENGLISH: ENG521A, OR ENG531A, OR ENG551A
LANGUAGE: MED531A OR COM801A -Communications (General Students)
MATHEMATICS: MAT521A, MAT521B, OR MAT531A, OR MAT551A
ELECTIVES:
AGS801A - AGRISCIENCE
ANT801X - APPLIED NETWORKING TECHNOLOGY
ANT801Y - APPLIED NETWORKING TECHNOLOGY
ART501A - ART
BIO511X - BSCS, ADVANCED ACADEMIC BIOLOGY
BIO521A - BIOLOGY
BUS801W - ADVANCED KEY & WORD PROCESSING
BUS801Y - INTRODUCTORY ACCOUNTING
CAF801A - CAREER FUTURES
CAM701X - WOODWORKING FUNDAMENTALS
CAM701Z - METAL WORKING FUNDAMENTALS
CAM801X - CONSTRUCTION TECHNOLOGY
CAM802Y - CONSTRUCTION WOODWORKING (2 CREDITS)
CAR701W - DRAFTING & DESIGN TECHNOLOGY
CAR701X - INTRODUCTION TO VISUAL COMMUNICATIONS
CAR701Y - CRAFTS I
CAR701Z - THEATRE ARTS I
CAR801W - PHOTOGRAPHY
CAR801X - ADVANCED VISUAL COMMUNICATIONS
CAR801Z - THEATRE ARTS II
CHD521A - CHILD DEVELOPMENT
CHM511A - ADVANCED CHEM STUDY
CHM521A - CHEMISTRY
CMP521A - APPLIED COMPUTER STUDIES
CMP801A - COMPUTER
CWS502A - COOPERATIVE EDUCATION (2 CREDITS)
ENT521A - ENTREPRENEURSHIP
ENV521X - CONSERVATION
FRE521A - FRENCH
FRE521F - FRENCH IMMERSION
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)
MUS801X - STYLES OF POPULAR MUSIC
PAM701Z - AUTOMOTIVE TECHNOLOGY
PAM801Z - AUTOMOTIVE TECHNOLOGY
PAM802Z - AUTOMOTIVE SERVICES (2 CREDITS)
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)
SOC851A - SOCIAL STUDIES (Practical)
WRT521A - WRITING

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

GRADE 12
COMPULSORY:
ENGLISH: ENG621A, OR ENG631A, OR ENG651A
LANGUAGE: COM801A Communications

ELECTIVES:
- ACC621A - ACCOUNTING
- AGS801A - AGRISCIENCE
- ART601A - ART
- ANT801X - APPLIED NETWORKING TECHNOLOGY
- ANT801Y - APPLIED NETWORKING TECHNOLOGY
- BIO611X - BSCS BIOLOGY
- BIO621A - BIOLOGY
- BIO631A - BIOLOGY (HUMAN)
- BOT621X - BOTANY
- BUS601Z - OFFICE PROCEDURES & TECHNOLOGY
- BUS801W - ADVANCED KEY & WORD PROCESSING
- BUS801Y - INTRODUCTORY ACCOUNTING
- CAF801A - CAREER FUTURES
- CAM801X - CONSTRUCTION TECHNOLOGY
- CAM802Y - CONSTRUCTION WOODWORKING (2 CREDITS)
- CAR801W - PHOTOGRAPHY
- CAR801X - ADVANCED VISUAL COMMUNICATIONS
- CAR801Z - THEATRE ARTS II
- CHM611A - CHEMICAL STUDY
- CHM621A - CHEMISTRY
- CMP801A - COMPUTER
- CMP621A - COMPUTER STUDIES
- CWS602A - COOPERATIVE EDUCATION (2 CREDITS)
- DRF601X - DRAFTING
- ECO621A - INTRODUCTORY ECONOMICS
- ECO631X - ECONOMICS (GENERAL)
- FAM621A - FAMILY LIFE
- FRE621A - FRENCH
- FRE621F - FRENCH IMMERSION
- 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
- MUS621A - MUSIC (Please state Band or * Strings)
- MUS801X - STYLES OF POPULAR MUSIC
- OCN621A - OCEANOGRAPHY
- PAM801Z - AUTOMOTIVE TECHNOLOGY
- PAM802Z - AUTOMOTIVE SERVICES (2 CREDITS)
- 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)
- SOC621F - INDIVIDUAL IN SOCIETY, FRENCH IMMERSION
- SOC851A - PRACTICAL SOCIAL STUDIES
- WRT521A - WRITING

* Music Strings is an extra course taken outside of regular school hours.
## Suggested Programs

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<td>English 621</td>
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<td>English 431</td>
<td>English 531</td>
<td>English 631</td>
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<td>English 551</td>
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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.

<table>
<thead>
<tr>
<th>SUBJECT AREA</th>
<th>GRADE 10</th>
<th>GRADE 11</th>
<th>GRADE 12</th>
<th>TOTAL CREDITS</th>
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<tbody>
<tr>
<td>ENGLISH</td>
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<td>SOCIAL STUDIES</td>
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<td>OTHER ELECTIVES:</td>
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12
# COURSE DESCRIPTIONS

## ART AND DRAFTING

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Text</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART401A ART</td>
<td>ART TALK</td>
<td>None</td>
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</table>

ART 401 is an introduction to the visual arts. A majority of class time is spent on the studio component with some class time being divided between design and art history components as they relate to the studio projects. 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. A $20.00 fee is expected for materials.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Text</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>ART501A ART</td>
<td>ART TALK</td>
<td>ART401A</td>
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</table>

ART 501 is a continuation of ART 401. They will explore a range of materials and processes that will prepare them for the senior course ART 601. Students will continue their design, studio and art history experiences in the five major areas mentioned in ART 401. Students will be encouraged to expand their awareness of art and art-related career opportunities. A $20.00 fee is expected for materials.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Text</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>ART601A ART</td>
<td>ART in Focus</td>
<td>ART501A</td>
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</tbody>
</table>

ART 601 is a continuation of ART 501. This primarily studio based course will include drawing, sculpture, painting, and information design. 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 this field. As well students will develop their ability to critically analyze art. A $20.00 fee is expected for materials.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>DRF601X DRAFTING</td>
<td>CAR701W Drafting &amp; Design Technology</td>
</tr>
</tbody>
</table>

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

1. **Course:** ACC621A  Accounting Principles  
   **Text:** Accounting I (Fourth Edition)  
   **Prerequisite:**

   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 advanced accounting courses at the college or university level.

2. **Course:** ENT521A  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 FUTURES

**Course:** Career Futures 801A - (CAF 801A) Pilot  
**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 for students in either grade 11 or grade 12. 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 will create and build a Career Portfolio.
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. Course listings and descriptions are listed for each course by cluster.

CLUSTER TITLE: BUSINESS AND INFORMATION
BUS801W ADVANCED KEYBOARDING & WORD PROCESSING
BUS801Y INTRODUCTORY ACCOUNTING
BUS601Z THE OFFICE: PROCEDURES AND TECHNOLOGY

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

CLUSTER TITLE: CONSTRUCTION AND MANUFACTURING
CAM701X WOODWORKING FUNDAMENTALS
CAM801X CONSTRUCTION TECHNOLOGY
CAM802Y CONSTRUCTION WOODWORKING (2 CREDITS)
CAM701Z METAL WORKING FUNDAMENTALS

CLUSTER TITLE: POWER AND MECHANICS
PAM701Z POWER MECHANICS FUNDAMENTALS
PAM802Z AUTOMOTIVE SERVICES (2 CREDITS)
PAM801Z AUTOMOTIVE TECHNOLOGY

CLUSTER TITLE: COMMUNICATION AND THE ARTS
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
CAR701X INTRODUCTION TO VISUAL COMMUNICATIONS
CAR801X ADVANCED VISUAL COMMUNICATIONS
1. **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.

2. **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.

3. **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: accommodations, travel trade, food and beverage, recreations, events and conferences, attractions, tourism 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**.

4. **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.
# CEC: BUSINESS AND INFORMATION

1. **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.

2. **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.

3. **Course:** BUS601Z  Office Procedures & Technology  
   **Text:** The Office: Procedures & Technology  
   **Prerequisite:** BUS701W & 801W

   This course is designed to provide business students with practical experiences in secretarial skills, personal development and modern office procedures. The model to be used in this course is commonly referred to as "Cooperative Education Program". The course consists of work assignments in various locations within the school combined with independent study relating to office procedures and practices. Because the students will work on the honour system with regard to their course work and assignments, they must be highly motivated and mature. There will be an interview and selection policy to place only 2 - 4 students per semester in the school year.
<table>
<thead>
<tr>
<th>Course</th>
<th>Text</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAM701X Woodworking Fundamentals</td>
<td>To be assigned</td>
<td>None</td>
</tr>
<tr>
<td>CAM801X Construction Technology</td>
<td>To be assigned</td>
<td>CAM701X is recommended</td>
</tr>
<tr>
<td>CAM802Y Construction Woodworking</td>
<td>To be assigned</td>
<td>CAM701X</td>
</tr>
<tr>
<td>CAM701Z Metal Working Fundamentals</td>
<td>Metalwork (Technology and Practice)</td>
<td>None</td>
</tr>
</tbody>
</table>

1. **Course**: CAM701X Woodworking Fundamentals  
   **Text**: To be assigned  
   **Prerequisite**: None

   This course is designed to thoroughly cover the safety aspects of the woodworking industry. Student’s will first be introduced to hand tool woodworking, measurement and the fabrication of small projects. Once fundamental skills have been developed in measurement, drawing, hand and machine tool use, they will be reinforced through fabrication of a class wood working project. Time permitting, students will be allowed to design and construct an individual project during the last month of the course.

   Safety is integrated into each project. Student/teacher communication is developed through the application of a daily assessment or work card. Students choosing this course should have the maturity to work independently in groups in the wood working lab under the direction of the instructor. Students will be required to purchase a pair of safety glasses and ear protection.

2. **Course**: CAM801X Construction Technology  
   **Text**: To be assigned  
   **Prerequisite**: CAM701X is recommended

   This course is designed for grade eleven and twelve students. The residential construction industry is examined through the design and building of a scale residential structure and through contact with industry representatives. Cooperative work skills will be developed through the building of small, real sized structures.

   Safety is integrated into each project. Student/teacher communication is developed through the application of a daily assessment or work card. Students will be required to purchase a pair of safety glasses and ear protection.

3. **Course**: CAM802Y Construction Woodworking  
   **Text**: To be assigned  
   **Prerequisite**: CAM701X

   This two credit construction course is designed for grade eleven and twelve students. The construction industry is examined and evaluated to help students generate viable career options. Students initiate and implement learning activities which involve persons working in the construction industry. Students experience the construction industry first hand as they visit, job shadow and research the processes used to construct large and small construction projects. Students will build scaled houses and other actual sized projects.

   Safety is integrated into each project. Student/teacher communication is enhanced through the application of an assessment or job card, and comments and evaluation information are recorded daily. Students will be required to purchase a pair of safety glasses and ear protection.

4. **Course**: CAM701Z Metal Working Fundamentals  
   **Text**: Metalwork (Technology and Practice)  
   **Prerequisite**: None

   This course is designed to thoroughly cover the safety aspects of the Welding and Metal Working Industry. This course includes basic welding techniques using Oxygen / Acetylene, Electric, Mig and Tig welders. It will also include fitting and bench work, tool and die work, turning and general machine shop work.

   Once the basic techniques of welding and metal are accomplished, they will be reinforced by fabricating various projects. **Safety glasses are required and may be purchased for $5.00 at the school.**
1. Course: PAM701Z Power Mechanics Fundamentals  
   Text: Automotive Technology  
   Prerequisite: None  

   The Power mechanics Course is designed to introduce students to the fundamentals of power mechanics. This course is designed to thoroughly cover the safety aspects of the Automotive Industry. This course will also introduce students to the tools and shop equipment used in the trade. The course material will be basic soldering, welding, various fasteners, tubing, gaskets, seals and bearings.

   Using such training aids as automotive chassis, students will also be introduced to the operation principles of such components as: clutches, manual transmissions / transaxles, drive lines, universal joints, exhaust, emissions, and fuel systems. Minor tune-ups will also be performed. Safety glasses are required and may be purchased for $5.00 at the school.

2. Course: PAM801Z Automotive Technology  
   Text: The Car Care Book  
   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.

3. Course: PAM802Z Automotive Services  
   Text: Automotive Technology  
   Prerequisite: PAM701Z Power Mechanics Fundamentals  

   This course is intended to introduce students to the skills and knowledge required for the trade of service station mechanics. The knowledge and skills that will be learned in this course have been identified by industry as performance objectives for trainees who might eventually be interested in entering apprenticeship.

   Skills taught throughout this course will assist students to identify, select, use, and maintain the hand tools, power tools, and shop equipment commonly required for the service and repair of motor vehicles. Safety glasses are required and may be purchased for $5.00 at the school.
1. **Course:** CAR701W  Drafting & Design Technology  
   **Prerequisite:** None

   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 extensively 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.

2. **Course:** CAR701X  Introduction to Visual Communications  
   **Prerequisite:** None

   This is the first of two courses specifically involving the “Media Technologies” of the visual arts. In this course, students are introduced to basic principles of graphic design, and various forms of media communication. The course is in two parts: a) desktop publishing including image composition and creative approaches to design, and b) video production including basic camera technique, microphone usage, sound mixing, lighting, and video editing. A $5.00 lab fee for the purchase of special paper is required.

3. **Course:** CAR801X  Advanced Visual Communications  
   **Prerequisite:** CAR701X  Introduction to Visual Communications or permission of the Instructor

   This course is an extension to Introduction to Visual Communications. 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 special printer paper.

4. **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) candle making, 3) handmade paper, 4) stained glass, 5) mosaic glass, 6) silk screen printing and 7) cut & pierce lamps. Students will explore the growing opportunities within the craft industry through a research project and through workshops with Island artists.

5. **Course:** CAR701Z  Theater Arts I  
   **Text:** Basic Drama Projects  
   **Prerequisite:** None

   Theater Arts 701 provides an introduction to areas including drama skills of voice and movement, improvisation, theater history, and sound and lighting methods. An important component of the course is production before a live audience which takes place in the second term. Students applying for theater arts should be aware that there will be essential extra-curricular commitment to rehearsals as needed and that 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.
6. **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 with amateurs or professionals from the theater community. 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.

7. **Course:** CAR801W - Photography  
**Text:** Exploring Photography  
**Prerequisite:** None

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. 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. Please note that a fee of $20.00 is expected for materials.

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**YOUTH APPRENTICESHIP**

The ASAP - Accelerated Secondary Apprenticeship Program is P.E.I.’s youth apprenticeship program. Students can start the Apprenticeship process before graduating from high school. Apprenticeship (ASAP) allows high school students, ages 16 and up, to explore P.E.I.’s designated trades. Students can gain apprenticeship hours and trade related skills while working part-time or during the summer in a trade related job. After graduating from high school, these hours will be credited to the post-secondary apprenticeship program. For information e-mail asap@gov.pe.ca
COMPUTER STUDIES

The following are the suggested courses for students who have an interest in learning the practical uses of computers. These courses do not cover technical topics such as programming or web design. (See course descriptions)

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<thead>
<tr>
<th>Year</th>
<th>Course</th>
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<tbody>
<tr>
<td>Grade 10</td>
<td>ITC401A</td>
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<tr>
<td>Grade 11 or 12</td>
<td>CMP801A</td>
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</table>

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)

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<tr>
<th>Year</th>
<th>Course</th>
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<tbody>
<tr>
<td>Grade 10</td>
<td>ITC401A</td>
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<tr>
<td>Grade 11</td>
<td>CMP521A</td>
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<tr>
<td>Grade 12</td>
<td>CMP621A</td>
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</tbody>
</table>

1. **Course Name:** ITC401A Information Technology Communications  
   **Text:** Century 21 Keyboarding & Information Processing and Computer Concepts  
   **Prerequisite:** None

   This course is an introduction to touch keyboarding using the software program MicroType Multimedia. The two core keyboarding modules have been designed so that students with little or no previous touch keyboarding skills may acquire these skills. At the same time, students equipped with some touch keyboarding skills will refresh and extend them. Complementing the core keyboarding modules will be two modules on the effective use of the computer. The focus will be on word processing, effective Internet research skills, e-mail usage, computer literacy and file management. This course is recommended for all students.

2. **Course Name:** CMP521A  
   **Text:** Provided by Instructor  
   **Prerequisite:** ITC401 or BUS701, or permission of Instructor

   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, and Programming. Students who have a credit in CMP421 are not eligible to take this course.
3. Course Name: CMP801A  
   Text: Provided by Instructor  
   Prerequisite: ITC401 or permission of Instructor  

   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, and Personal Finance. Students who have obtained a credit in CMP421, CMP521 or CMP701 are not eligible to take this course.

4. Course Name: CMP621A COMPUTER STUDIES  
   Text: Provided by Instructor  
   Prerequisite: Computer Literacy 421, 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. An above average standing in mathematics and the successful completion of the CMP521 course are highly recommended for this course.

5. Course Name: ANT801X Applied Networking Technology  
   Text: None  
   Prerequisite: None  

   This course extensively covers the topics and technical concepts of computer networking. Through computer-based presentation, students will initially be introduced to issues of digital communication in regards to logic principles, the Internet, and expectations of experts working in the field. Internet working theory is the focus of the course in regards to such topics as: LAN’s/WAN’s, protocols, routers, network operating systems, media/cabling, networking standards, and electrical concepts in networks. Although a background in networking is not required, math skills and computer experience is an asset in this course.

6. Course Name: ANT801Y Applied Networking Technology  
   Text: ANT801X  
   Prerequisite: ANT801X  

   Building on the knowledge base from ANT801X, computer-based hands-on experiences are applied through the course using actual networking equipment. This includes installation, programming, testing, and operation of networking devices such as routers, switches, hubs, and cabling.

COOPERATIVE EDUCATION

1. Course Name: CWS502A OR CWS602A  
   Text: Succeeding in the World of Work  
   Prerequisite: Grade 10  

   The Cooperative Education program is a two credit elective option for grade 11 and 12 students. Cooperative Education students integrate academic studies with work experience and career exploration through job placements in the local business and professional community. All Coop students must successfully complete a pre-employment job placement module and employment interview prior to placement with an employer. Students are monitored regularly and evaluated on placement performance by the employer and Cooperative Education instructor.
## Course 1

**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 2

**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 3

**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 it’s 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.

## Course 4

**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.
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<tbody>
<tr>
<td><strong>A. ACADEMIC</strong></td>
<td></td>
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</tbody>
</table>
| **1.** Course Name: **ENG421A** ACADEMIC ENGLISH  
Texts: Sightlines 10, Resourcelines 10, Julius Caesar or Introducing Shakespeare, 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. |   |   |   |   |
| **2.** Course Name: **ENG421AB** ACADEMIC ENGLISH  
Text: Sightlines 10, Resourcelines 10, Julius Caesar or Introducing Shakespeare, and two novels  
Prerequisite: Grade 9 |   |   |   |   |
| This course is an academic grade ten English course for all students enrolling in Music 421 (Band). The English course operates on alternate days with Music 421 from September to June. See description for the ENG421A course for course content and details. |   |   |   |   |
| **3.** Course Name: **ENG421X** LANGUAGE, "English in Transition"  
Text: Writing Process and Practice  
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. |   |   |   |   |
| **4.** Course Name: **ENG521A** ACADEMIC ENGLISH  
Texts: Echoes, Plays on a Human Theme, Romeo and Juliet or Merchant of Venice, 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. |   |   |   |   |
### Course 5: ENG621A  ACADEMIC ENGLISH
**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.

**Texts:**
- Inside Poetry
- The Arch of Experience
- Hamlet or Macbeth,
- and two novels, optional Death of a Salesman

### Course 6: WRT521A  WRITING
**Prerequisite:** English 421 (recommended)

In this Writing course, the students will be reintroduced to the steps of the Writing Process, and will be given a broad range of assignments using the process as a guide. Emphasis will be placed on further developing revision and editing skills. Although students experiment with a variety of writing assignments, some of which are creative, emphasis will be placed on formal essays and research. Opportunities to write for a larger audience are presented through writing contests, publication opportunities, and special projects. This course is designed to give students the opportunity to become independent, confident writers.

**Texts:**
- The Act of Writing
- Rules of Thumb
- The Writer’s Workshop

### B. GENERAL

#### 1. ENG431A  GENERAL ENGLISH
**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.

**Texts:**
- Crossroads
- and two novels

#### 2. MED531A  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.
### 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.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Texts</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG451A PRACTICAL ENGLISH</td>
<td>Anthology I, Scope Magazine, Grammar and Composition I, Real Life Reading and Writing, Writing on the Job, novels</td>
<td>Grade 9</td>
</tr>
<tr>
<td>ENG551A PRACTICAL ENGLISH</td>
<td>Anthology II, Grammar and Composition II, Into Studying, Scope Magazine, novels</td>
<td>English 451</td>
</tr>
<tr>
<td>ENG651A PRACTICAL ENGLISH</td>
<td>World Anthology of Literature, Anthology III, Grammar and Composition III</td>
<td>English 551</td>
</tr>
</tbody>
</table>
4. **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.

**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.

1. **Course Name:** FRE421A FRENCH  
   **Text:** En Direct I and Thematic Modules  
   **Prerequisite:** French 300A

2. **Course Name:** FRE521A FRENCH  
   **Text:** En Direct 2 and Thematic Modules  
   **Prerequisite:** FRE421A

3. **Course Name:** FRE621A FRENCH  
   **Text:** En Direct 2, En Direct 3, and Thematic Modules  
   **Prerequisite:** FRE521A

**E. FRENCH IMMERSION**

For students entering grade ten since September, 2002 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.

For students who entered grade ten prior to 2002, five credits will be required for the French Immersion certificate of which three credits must be for French Immersion Language courses.

1. **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.
2. Course Name: FRE521F FRENCH IMMERSSION  
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: equality of sexes and consumerism. Literature and grammar will also play an important part in this course.

3. Course Name: FRE621F FRENCH IMMERSSION  
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 IMMERSSION SOCIAL STUDIES

1. 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.

2. Course Name: LAW521F INTRODUCTORY LAW (FI)  
Text: Le Droit  
Prerequisite: None

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 Young Offenders Act, family law, the law on drugs and alcohol.

3. Course Name: SOC621F INDIVIDUAL IN SOCIETY (FI)  
Text: To be assigned  
Prerequisite: None

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

A. ACADEMIC (All students taking academic math are required to have a scientific calculator)
1. **Course Name:** MAT421A  **MATHEMATICS**  
   **Text:** Math Power 10  
   **Prerequisite:** Grade Nine Academic Math  
   
   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.**

2. **Course Name:** MAT421AM  **ACADEMIC MATHEMATICS**  
   **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.

3. **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.

4. **Course Name:** MAT521B  **MATHEMATICS**  
   **Text:** Math Power 11  
   **Prerequisite:** Mathematics 521A, recommended 65% in Math 421A  
   
   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.

5. **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.

6. **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.
7. **Course Name:** MAT611B  **INTRODUCTORY CALCULUS**  
**Text:** To Be Announced  
**Prerequisite:** Math521B with at least 75% at mid term and/or Permission of Instructor

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.

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**Academic Math Routes**

```
Mat421A
↓
Mat521A  →  Mat521B
↓  ✓  ↓
Mat621A  Mat621B
↓
Mat611A
```

(Art(s) (Science/business)

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**B. GENERAL**

1. **Course Name:** MAT431A  **GENERAL MATHEMATICS**  
**Text:** Consumer Math and Math Matters  
**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.

2. **Course Name:** MAT531A  **GENERAL MATHEMATICS**  
**Text:** Math for a Modern World, Book 3  
**Prerequisite:** Math 431 or Math 421

This course continues the work of the grade ten General mathematics program. It is designed to give a good background in mathematics, however the presentation of topics in not as rigorous as an Academic math course. Topics covered are: polynomials, exponents, factoring, radicals, solving equations and problem solving. Additional topics included are: perimeter, area, volume, statistics, interest problems, transportation cost analysis and money related problems.
3. **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.

### C. 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.

1. **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.

2. **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.

3. **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

1. **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.
### MUSIC

2. **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.

3. **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 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.

**C. MUSIC APPRECIATION**

**Course Name:** MUS801X Styles of Popular Music  
**Text:** Rock and Roll: Its History and Stylistic Development  
**Prerequisite:** None  

The “Styles of Popular Music” course will cover the major styles of rock and roll from the 1950’s to present. It will use and follow the history of rock and roll starting with rhythm and blues, country and western, and pop music through to present day styles. The course will examine the musical elements, the major artists, and the social, political, and economic aspects related to each style and era of popular music. In addition to the above other related topics such as the music video industry and the recording industry could be included.

### PHYSICAL EDUCATION

1. **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.
<table>
<thead>
<tr>
<th>Course Name:</th>
<th>FAM421A - Physical Education/Family Life</th>
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<tbody>
<tr>
<td>Text:</td>
<td>To be provided</td>
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<tr>
<td>Prerequisite</td>
<td>None</td>
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This course consists of a half credit in Physical Education plus a half credit in Family Living. The Family Life component of this course will deal with relationships in the family and outside the family, and human sexuality including reproduction. The course also looks at communication skills. The Physical Education component of this course is similar to Physical Education 401 but limited in content covered.

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<thead>
<tr>
<th>Course Name:</th>
<th>PED801A PHYSICAL EDUCATION - LIFE STYLE</th>
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<tr>
<td>Text:</td>
<td>None</td>
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<tr>
<td>Prerequisite</td>
<td>Successful completion of Phys. Ed. 401 or Phys. Ed./Family Life 421</td>
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</table>

This course is an activities course which features a significant career exploration component. The activity portion of the program will be an extension of the 400 level activity offerings appropriate to the make-up of the class. There will be a fitness component to the activity section. 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.

<table>
<thead>
<tr>
<th>Course Name:</th>
<th>PED621A LEADERSHIP IN PHYSICAL EDUCATION</th>
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<tbody>
<tr>
<td>Text:</td>
<td>Concepts of Physical Education</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>Physical Education 401 or permission of the Instructor</td>
</tr>
</tbody>
</table>

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.
1. **Course Name:** PHP701A PEER HELPER  
   **Text:**  
   **Prerequisite:** None (Interviews will be conducted to select students)  

   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 work on a one-to-one basis with the student 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.

2. **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. (This prerequisite will be waived in the first year of implementation of the Peer Helper course in a high school). These experienced Peer Helpers will work on a one-on-one basis 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.

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### SCIENCE

#### A. SCIENCE

1. **Course Name:** SCI421A SCIENCE  
   **Text:** Coordinated Science  
   **Prerequisite:** None  

   This course introduces students to the physical and life sciences and provides a background for further study in chemistry, physics and biology.  

2. **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.
### 3. 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

1. **Course Name:** BIO511X  
   **Text:** Biology - Nelson Canada  
   **Prerequisite:** Science 421 with a semester mark of at least 75%  

   This course addresses an overview 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. Science as a process is a constant consideration throughout this program.

2. **Course Name:** BIO611X BSCS BIOLOGY  
   **Text:** Biological Science: An Ecological Approach  
   **Prerequisite:** Biology 511  

   This is a biological study that begins with the topics reproduction and genetics including fungus and plant kingdoms. 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).

3. **Course Name:** BIO521A BIOLOGY  
   **Text:** Biology, The Study of Life (Schraer & Stoltze)  
   **Prerequisite:** Science 421  

   This course has been designed to develop an understanding of the central ideas and principles which unify biological concepts. These concepts include biodiversity, energy flow and cellular matter, energy and matter exchange by human and other organisms, and energy and matter exchange in representative ecosystems. Various strategies of instruction including microscopy, laboratory dissections and biochemical analyses will allow students to develop the skills and understanding of the processes by which biological sciences evolve in inter-science relationships, technology and societal applications. Students are expected to acquire a dissection kit ($11.00 if purchased at CRHS).
4. **Course Name:** BIO621 BIOLOGY  
   **Text:** Biology, The Study of Life (Schraer & Stoltze)  
   **Prerequisite:** Biology 521

   This course is a progression of the skills and applications acquired by students in BIO521 Biology. In continuing the development of the principles that unify biological concepts the following units of study are surveyed: systems regulating change in humans and other organisms, reproduction and development, chromosomes, genes and DNA, change in populations, communities and species. Strategies of instruction include microscopy, biochemical process analysis, and laboratory dissections.

5. **Course Name:** BOT621X Botany  
   **Text:** To be provided  
   **Prerequisite:** Science 421A

   This course introduces students to the structure, life cycles and evolutionary relationships of plants and the role they play in society. Major groups to be examined include viruses, bacteria, protists, fungi, bryophytes (mosses), seedless vascular plants and seed plants. Students will gain an appreciation of these topics during individual and group work in the class, botany lab, computer lab, greenhouse, and field trips.

6. **Course Name:** BIO631A BIOLOGY (HUMAN)  
   **Text:** Biology and Human Progress (Charles Tanzer) Lab Manual  
   **Prerequisite:** None

   This is a non-university preparatory course designed for General students. It includes the fundamental concepts of Biology with the emphasis on human concerns. It includes such topics as: how the body works, behaviour, disease control, reproduction, heredity and ecology. The lab work involves workbook material as well as lab experiments.

**C. AGRISCIENCE**

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

   Agriscience is the application of scientific principles and technologies in the study of natural resource management with emphasis on agriculture and aquaculture. Genetic engineering and its applications in sustainable agriculture and aquaculture on P.E.I. is a significant course topic. Other topics include food safety and food security, plant science as it relates to the P.E.I. potato industry, organic agriculture, forestry and wildlife management, integrated pest management, home gardening, plantscaping/turf grass management, food science, and agribusiness. Agriscience career options will be explored. Various learning strategies; i.e. case study analyses, media searches, portfolio development, co-operative group work, and lab applications will be used through-out the program.

**D. CHEMISTRY**

1. **Course Name:** CHM511A CHEM STUDY  
   **Text:** Chemistry (Addison - Wesley)  
   **Prerequisite:** At least 75% in Science 421 and Math 421

   This Chem Study program should be in interest to those students who like science and working in the laboratory. This university preparatory course stresses understanding of the basic principles of chemistry through frequent laboratory experiments, demonstrations, and videos. Topics discussed in this course include: kinetic theory, atomic theory, principles of chemical reactions, stoichiometry, bonding and the gas laws. Students are expected to have good math problem-solving and communication skills and the ability to work independently.
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<tr>
<th>Course Name</th>
<th>Text</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>CHM611A CHEM STUDY</td>
<td>Assigned Internet sites, Chemistry (Addison - Wesley)</td>
<td>At least 75% in Chemistry 511</td>
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The approach taken in Chem 511A is continued with major emphasis on introduction to organic chemistry, thermochemistry, solution chemistry, reaction kinetics, equilibrium, acids and bases, radioactivity, and oxidation-reduction reactions.

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<tr>
<td>CHM521A CHEMISTRY</td>
<td>Chemistry (Addison-Wesley)</td>
<td>Science 421 and Math 421</td>
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This new Atlantic Provinces Education Foundation (APEF) 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 four units of study: Unit 1 - Matter and Energy in Chemical Change; Unit 2 - Matter as Solutions and Gases; Unit 3 - Quantitative Relationships in Chemical Changes; and, Unit 4 - Chemical Bonding in Matter.

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<th>Course Name</th>
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<tbody>
<tr>
<td>CHM621A CHEMISTRY</td>
<td>Chemistry (Addison &amp; Wesley)</td>
<td>Chemistry 521</td>
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This course is a continuation of Chemistry 521. The course will include five units of study. Unit 1: An Introduction of Organic Chemistry; Unit 2: Thermochemical Changes; Unit 3: Kinetics and Equilibrium; Unit 4: Acids and Bases; and, Unit 5: Solution Equilibrium and Precipitation.

### E. PHYSICS

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<tr>
<th>Course Name</th>
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<tr>
<td>PHY521A PHYSICS - Waves and Electricity</td>
<td>Physics: Principles and Problems (Merrill)</td>
<td>Science 421, Math 421 (recommended)</td>
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This course includes an introduction to waves and wave behaviour. Light, water, and sound waves are examined in some detail. Static and current electricity are studied along with magnetism and its relationship to electric current. Lab work is included to supplement the text.

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<th>Course Name</th>
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<tr>
<td>PHY621A PHYSICS - Mechanics</td>
<td>Physics: Principles and Problems (Merrill)</td>
<td>Physics 521 and Math 521 (exceptions may be considered)</td>
</tr>
</tbody>
</table>

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.

### F. OCEANOGRAPHY

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<tr>
<td>OCN621A OCEANOGRAPHY</td>
<td>Oceanography</td>
<td>Science 421</td>
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</table>

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. Limited lab work will be expected, and a portion of the program will involve outdoor excursions.
## G. CONSERVATION

1. **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

1. **Course Name:** CAS401A Canadian Studies  
   **Text:** To be provided  
   **Prerequisite:** None

   This course examines Canadian geography, history, government, arts and entertainment, sports and recreation. The course explores the unique landscape, cultures and history of each region to enable students to become more informed citizens. The course also examines significant Canadians, past and present, as well as issues involving Canada today. This course does not include the research skills needed for university study.

### B. GEOGRAPHY

1. **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.

2. **Course Name:** GEO521A GLOBAL STUDIES  
   **Text:** World Geography (Glencoe)  
   **Prerequisite:** Geography 421A is preferred

   Students completing a study of GEO421A Geography of Canada have an opportunity to broaden their geographic studies to the global setting. Similar to the inventory of ideas they have accumulated on their own country, students should be aware of the position and location of the world of nations and the global physical and cultural patterns that exist. Likewise, students develop an awareness of the interaction between the inventory of resources and global population. Some project work may be assigned.
### 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

1. **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. The course also considers Christianity, Islam, Feudalism in the Middle Ages, Renaissance, and the Reformation.

2. **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. Other topics include: the Age of Absolutism; the Age of Revolutions (English, American and French); the Industrial Revolution; the rise and fall of Napoleon; the unification of Italy and Germany; Imperialism and the World Wars. This course should provide students with an understanding of modern European history and key ideas and events which have contributed to Modern Western Civilization.

3. **Course Name:** HIS621A  HISTORY OF CANADA
   - **Text:** Canada: A North American Nation
   - **Prerequisite:** History 421A, HISTORY 421G, or HISTORY 521 is preferred

   History 621 is a survey course in Canadian history. The topics dealt with include the following: the Amerindians, early exploration, the French Period, British Conquest, the American Revolutionary War, the Rebellions of 1837-38, the American Civil War, Confederation, Western Settlement, World War I, Canadian Nationhood, and World War II.

4. **Course Name:** HIS621B  P.E.I. HISTORY
   - **Text:** To be provided
   - **Prerequisite:** History 421, 521 or Geography 421 is preferred

   This is a survey course of Prince Edward Island history which begins with the earliest known Aboriginal people. Students will then study the Mi’kmaq First Nation beginning with their arrival and continue up to the present. Students will then examine the arrival of several groups of immigrants on the Island such as the French and Acadians in the 1720’s, followed by the Loyalists, Scots, Irish, English, Lebanese, Chinese, Dutch and the East Indian/Pakistani immigrants in the 1960’s. Several other topics such as Holland’s survey, shipbuilding, transportation, agriculture and early education on the Island will also be explored.
SOCIAL STUDIES - POLITICAL SCIENCE

5. 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

1. 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.

2. Course Name: ECO631X  Economics  
   Text: To be assigned  
   Prerequisite: None  

   This is a General level course designed to give a basic understanding of the operation of the Canadian economy. A realistic approach will be employed to provide useful knowledge needed to function in society. The course will show how those events affect the individual. Sample topics include: taxation, role of the government, interest rates and the consumer, labour organizations and operating a business.

D. POLITICAL SCIENCE

1. 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.

2. 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
1. **Course Name:** LAW521A  **INTRODUCTORY LAW**  
   **Text:** All About Law (Gibson and Murphy)  
   **Prerequisite:** History 421 is preferred

   The course is designed to help students develop a broad perspective on law as a dynamic force in society by providing an in-depth appreciation of legal issues and legal cases. Students will (a) develop an understanding of the fundamentals of Canadian Law, (b) develop an appreciation of the need for law and order in society, and (c) define and make application of legal terms to the study of law.

2. **Course Name:** LAW531A  **LAW**  
   **Text:** The Law in Canada  
   **Prerequisite:** None

   Law 531 is designed for the general student. The main areas covered by this course include: criminal law, arrest and trial procedures, marriage, separation, divorce, the Young Offenders Act, child abuse, and the ALERT and breathalyser.

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**F. PRACTICAL SOCIAL STUDIES**

1. **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.

2. **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.
CHARLOTTETOWN RURAL HIGH SCHOOL