

MORELL REGIONAL HIGH SCHOOL

Course Handbook



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Morell Regional High Mission Statement

"We believe school should be a preparation for life and that all students can learn. Each student is an individual with unique personality and potential. To enable students to reach this potential the staff, students, parents, and community must work together to create an environment which is safe, both physically and psychologically. All members of the school community shall be treated with respect and dignity."

MORELL REGIONAL HIGH SCHOOL

---COURSE DESCRIPTION BOOKLET---

PARENTS: *To ensure that all graduation requirements are fulfilled and that all students' courses coincide with their career choices, it is extremely important that individuals opt for the appropriate course selections. Teachers will be advising students about their course selections. Assemblies with each grade level will also ensure that students have the necessary information for registration. Course selections for September are ensured only if a student completes the prerequisite subjects in June.*

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GRADUATION REQUIREMENTS

Provincial Certificate and Morell Regional High School Certificate:

Graduating students must successfully complete 20 credits including:

5 - credits at the Grade Twelve level

**4 - Language Arts, ie. English in grades 10, 11, 12 plus either French,
English Writing 421, English Writing 521, and/or Communications 801**

2 - Mathematics credits

2 - Social Studies credits

2 - Science credits

10 - Electives

Science courses include: Science 421/431, Science 701, Biology, Chemistry, Physics, and Agriscience.

Social Studies courses include: Geography, History, Law, Economics.

General: A combination of academic and basic subjects that fulfill the provincial requirements.

Honours: To graduate with honours, a student must meet the following criteria:

- * Must pass 15 courses at the 500, 600, 700, and 800 level.**
- * Overall average in 14 of these courses of 80% with no mark below 65%**
- * 12 of these 14 courses must be at the "21" (academic) level. Six of these 12 must be at the 621 level and the remaining six must be either at the 521 or 621 level. Two of these 14 courses may be at 701/801 level.**
- * Required courses:**
 - Math 521A/521B and Math 621A or 621B**
 - English 521 and English 621**
 - Two pure sciences (Physics, Chemistry, Biology)**
 - Two social sciences (Geography, History, Law, Economics)**
 - The remaining six courses will be electives**

NOTE: Math 611B cannot be substituted for Math 621A or B, but it can count as an elective.

UNIVERSITY ENTRANCE REQUIREMENTS

For entrance, universities require high school applicants to have completed a minimum of five Grade 12 academic (621) courses and to have obtained a minimum specific average. The required average varies from 65% to 75% depending on the program and university attending.

However, since most universities (and Holland College) have restricted enrollment programs, satisfaction of minimum requirements does not guarantee admission. All students applying to university must have English 621. Math 621 is also compulsory for Science and Business students. University students in Arts must have a 621 Social Science course. Three 621 electives are also required, however, specific universities may not accept some 621 courses. In some cases, a 521 course may satisfy admission requirements (i.e. UNB accepts Law 521 as a suitable elective), but you should always check the requirements for a specific university.

Students applying to Science or Applied Science programs must have Math 621A, Math 621B and Math 611B are very beneficial and at least two 621 Science courses are required - one of which must be Chemistry.

University scholarships may be awarded to applicants with an average of 85% or better. Students wishing to apply for University Entrance and for Scholarships must apply in late January or early February.

Contact Student Services for detailed information on specific colleges and universities, entrance requirements, application forms, scholarship information and/or your specific application situation. Student services is also a source of information concerning career exploration and labour market information.

Career Cruising, an internet program on occupations and careers, is also available for students to access. Up-to-date postings, scholarships, open houses, admission requirements and other relevant information is available on the school website under Student Services or Mr. Farrell's web page.

Holland College offers a great number of programs in its many campuses across PEI. Since these programs have specific entrance requirements and since admission is competitive, students applying to Holland College should consult with Admissions Personnel at the College regarding admission requirements, places available per program for high school applicants, etc. Applications for colleges and universities are available at the Student Services/Guidance Office.

COURSE IDENTIFICATION CODE

All senior high school courses on Prince Edward Island are assigned Course Identification Codes.

Example: MAT 4 2 1 A 0072
 (1) (2) (3) (4)

The example used above illustrates that the course identification code consists of four facts:

(1) Area of Study MAT = Math (Subject Abbreviation)

(2) Year in which the course is usually attempted

4 = Grade 10	7 = Grade 10 or 11
5 = Grade 11	8 = Grade 11 or 12
6 = Grade 12	

(3) Course Classification

0 = Open	2 = Academic	5 = Practical
1 = Advanced	3 = General	

(4) Credit Value

1 = one credit	3 = three credits
2 = two credits	4 = four credits

After the course name, there is a number to the right (i.e. 0072). This number is used by the high school to identify and input courses into the computer that schedules course selections. It is important that students use the correct three-digit number to identify courses when they complete their option forms.

COURSE REGISTRATION

Particular subject areas at Morell High have a limited number of classes, and therefore it is necessary for Morell High students to go through a form of pre-registration whereby the student selects the courses preferred. The office staff will then attempt to fit these requests into a workable schedule with appropriate class sizes. There should be only minimal changes from the courses selected on the pre-registration form. Any changes must be confirmed through office staff in order to be accepted. Also, all students are expected to indicate an alternate course in the event there is no space available in their primary courses. Registration forms will not be accepted without the alternate course indicated.

Due to limited numbers of classes available and class size restrictions students should register only in courses at or below their present grade level.

UNIVERSITY ENTRANCE REQUIREMENTS

For university entrance, high school applicants are required to have completed a minimum of five Grade 12 academic (621) courses and to have obtained a minimum specific average which varies from 65% to 75% depending on the program and university attending.

Since most universities (and Holland College) have restricted enrollment programs, satisfaction of minimum requirements does not guarantee admission. All students applying to university must have English 621, and Math 621 is compulsory for Science and Business students. University students in Arts must have a 621 Social Science course. Three 621 electives are also required, however, specific universities may not accept some 621 courses. In some cases, a 521 course may satisfy admission requirements i.e. UNB accepts Law 521 as a suitable elective. Always check the requirements for a specific university.

Students applying to Science or Applied Science programs must have Math 621A. Math 621B and Math 611B are very beneficial and at least two 621 Science courses are required - one of which must be Chemistry.

University scholarships may be awarded to applicants with an average of 85% or better. Students wishing to apply for University Entrance and for Scholarships must apply in late January or early February.

Contact Student Services for detailed information on specific colleges and universities, entrance requirements, application forms, scholarship information and/or your specific application situation. Student services is also a source of information concerning career exploration and labour market information.

Career Cruising, an internet program on occupations and careers is also available to all students. Up to date postings, scholarships, open houses, admission requirements and other relevant information is available on the school website under Student Services or Mr. Farrell's web page.

Holland College offers a great number of programs in its many campuses across PEI. Since these programs have specific entrance requirements and since admission is competitive, students applying to Holland College should consult with Admissions Personnel at the College regarding admission requirements, places available per program for high school applicants, etc. Applications for colleges and universities are available at the Student Services/Guidance Office.

POST-HIGH SCHOOL RECOMMENDATIONS

- A) Always consult the university or college websites for updated information on admission requirements, timelines, and scholarship information.***
- B) If you plan to pursue a Science Degree you should include the following courses in your course selection over the grade 11 and 12 years:
Math 521A, Math 521B, Math 621B, Math 611A and two pure Sciences at both the 521 and 621 levels are highly recommended. Chemistry must be one of those two pure sciences each year. Biology majors at U.P.E.I. must have either Biology 521 or Biology 621.***
- C) If you plan to pursue a Business Degree in university you are highly encouraged to include the following courses in your course selections over the grade 11 and 12 years: Math 521A, Math 621A, Accounting 621, and Economics 621 are also recommended. Math 621B and Math 611A will be beneficial.***
- D) Students entering the numerous "trades" programs at Holland College are encouraged to take the Math 801. Science 701 may also be beneficial for some students.***

- * Those who complete grade 12 with 15 credits from their grade 11 and 12 years may have three "01" courses, and this may not affect any aspect of graduation such as university entrance, class ranking or honours.***
- * This is provided that all other criteria for university entrance, honours and class ranking are met.***

M.R.H.S. OPTION FORM

STUDENT NAME _____
TOTAL CREDITS 12.00

HOMEROOM _____

To graduate, students must have at least 20 course credits, 5 of which must be at the grade 12 level, 1 of which must be English*

2nd Semester Courses

MAT521A - 01
FRE521A - 01
LANGUAGE ARTS 4 required

2nd Semester Courses

PHY521A - 02
ENG521A - 01

9801	ENG421X	LANG. IN TRANS	87	1.0	9801	GEO421A	CDN GEOGRAPHY	96	1.0
9806	ENG421A	ENGLISH	88	1.0	9901	LAW521A	CANADIAN LAW	88	1.0
9801	FRE421A	FRENCH 10	78	1.0					
	<u>MATH</u>	<u>2 required</u>					<u>ELECTIVES</u>		
9806	MAT421A	ALGEBRA	90	1.0	9801	ITC401A	COMPUTER LIT	82	1.0
9901	MAT521A	MATHEMATICS	88	1.0	9806	PED401A	PHYS EDUCATION	95	1.0
	<u>SCIENCE</u>	<u>2 required</u>							
9806	SCI421A	SCIENCE	88	1.0					
9901	CHM521A	CHEMISTRY 11	89	1.0					
9901	BIO521A	BIOLOGY 11	92	1.0					

COURSE SELECTIONS FOR NEXT YEAR

PRE-REGISTRATION

FINAL REGISTRATION

COURSE CODE	COURSE NAME	COURSE CODE	COURSE NAME
1. _____	_____	1. _____	_____
2. _____	_____	2. _____	_____
3. _____	_____	3. _____	_____
4. _____	_____	4. _____	_____
5. _____	_____	5. _____	_____
6. _____	_____	6. _____	_____
7. _____	_____	7. _____	_____
8. _____	_____	8. _____	_____

if not _____ *then* _____ *if not* _____ *then* _____

STUDENT SIGNATURE: _____

PARENT SIGNATURE: _____

TEACHER SIGNATURE: _____

VISUAL ARTS GRADE 9 - 9ARTA - 0014

The emphasis for learning in the Intermediate Visual Arts, Level I and II is on the creation of images. The historical content (Prehistoric, Ancient and Renaissance Art) is used to support, motivate, and create context. Through images from the past and present, students will come to an understanding and appreciation of the history, storytelling, media, and composition of the visual arts. It is the purpose of this course that through creative and critical art making and viewing, students will come to value, understand and enjoy the visual images in their lives.

VISUAL ARTS 401 - ART401A - 0023

The emphasis of the Visual Arts 401A course is to study basic art skills in drawing, painting, printmaking, and crating three-dimensional forms. There is a strong focus on the elements of art, basic color theory, and drawing skill development. Students will learn to put their art in context of art history from Prehistoric cultures to Greek and Roman times. As well, students will learn to critically view and articulate about visual images that they view and create. Students will be required to create, collect, record, explore and reflect in their workbook on a regular basis. It is the purpose of this course that through creative and critical art-making and viewing, students will come to value, understand, and enjoy the visual images in their lives.

DRAMATIC ARTS 801 - DRA801A - 0079

The purpose of the course is to allow students the opportunity to explore all facets of theatre and to examine the history of drama, development of acting skills and basic knowledge of several production techniques. Specific activities may include: improvisation, role and character development, movement, voice, presenting and staging vignettes and scripted plays, script writing and responding to and/or analyzing plays. This course does not replace the mandatory English requirements, rather it is an elective credit.

ENGLISH GRADE 9 - 9ENGA - 0003

This is a theme-based exploration of the elements of English, including specific focus on the short story, poetry, the essay, drama, and novel study. The purpose of the course is to introduce first-year students to facets of English that they will encounter in their ensuing years of high school. Specific activities may include: analyzing and writing short stories, essays, and poetry, reading novels and completing novel studies, role playing, presenting vignettes, journal and essay writing.

ENGLISH 421 - ENG421A - 0015

A survey course exploring outcomes in speaking and listening, reading and viewing, writing and representing, and language conventions. The focus is fiction and writing, with time spent on novel study, poetry, Shakespeare, non-fiction, and oral presentation.

ENGLISH 431/451 - ENG431A - 0016
- ENG451A - 0077

A literature based course including a study of an anthology, individual novels, and a class novel. Evaluation is based on class participation, class assignments, and an exam.

WRITING 421A - ENG421A - 0021
- ENG431X - 0067
- ENG451X - 0094

This course directs students to meet the writing demands of academic high school courses and post-secondary study. Instruction focuses on the writing process (prewriting, drafting, revising, editing, publishing) and the research process (topic selection, researching, note-taking, planning, writing, documenting sources). Practical sources are explicitly taught and modeled to support each process. Extended practice with these strategies prepares students to approach writing with confidence and expertise. Students receive instruction on how to adapt their writing to a variety of audiences and purposes, employing a range of formats such as essays, paragraphs, e-mails, reports, personal journals, letters, and many others. The essential elements of clear and effective ideas, organization, voice, word choice, sentence fluency and conventions are emphasized throughout.

ENGLISH 521 - ENG521A - 0027

Students are offered a survey literature course with a multi-theme approach. The main focus of English 521 is poetry, with additional emphasis on novel studies, fiction, Shakespearean drama, non-fiction, essay writing, poetry analysis, research, and language conventions. Students also conduct oral presentations, including a major panel discussion.

ENGLISH 531 - ENG531A - 0031

English 531 is a continuation of skills learned in English 431 involving speaking, listening, viewing, reading and writing. A broad selection of literature, fiction and non-fiction, is included. Besides reading, students will have the opportunity to engage in various types of writing. The emphasis is on content and effectiveness as well as spelling, handwriting, punctuation and grammar.

ENGLISH 621 - ENG621A - 0046

Students are offered a survey literature and research course using a multi-theme approach. The main focus is non-fiction, with additional emphasis on novel studies, Shakespearean drama, fiction, poetry, research, essay writing and analysis, and the language conventions. Students also participate in persuasive speaking and a major researched debate.

ENGLISH 631 - ENG631A - 0050

English 631 is an integrated program that builds on the skills begun in English 531.

FRENCH GRADE 9 - 9FREA - 0002

French 300 is composed of modules organized according to the experience and interests of teenagers. Both oral and written communications are developed in the context of authentic situations, and the goal is to have French the only language of the classroom. For each module the student must complete a final project or task. Evaluation will be based on listening, oral production and interaction, reading comprehension and written production.

FRENCH 421 - FRE421A - 0019

French 421 is a continuation of French 300. The modules include reading newspapers, consumer advertising, and friendship. Evaluation will be based on oral and written productions much like the French 300 evaluation.

FRENCH 521 - FRE 521A - 0036

French 521 is a continuation of French 421. The modules include travel, lifestyle, media and law. As in the previous courses evaluation will be based on listening, oral participation and interaction, reading comprehension and written production.

FRENCH 621 - FRE621A - 0056

French 621 is a continuation of French 521. The fields of experience include racism, graduation, and media. Evaluation of oral and written productions as in the previous courses.

COMMUNICATIONS 801 - COM801A - 0132

This course emphasizes the basic principles of communication such as reading, writing, speaking, listening, viewing and representing. It also includes skills such as word processing, e-mailing and effective internet searching.

WRITING 521 - WRT521A - 0033

Students will work on writing skills (in particular, revision skills) through assignments ranging from narrative and persuasive essays, research papers, resumes, proposal and report writing to literary essays and book reviews.

ENGLISH 451 -	0077	MATH 451 -	0121
ENGLISH 551 -	0091	MATH 551 -	0108
ENGLISH 651 -	0078	MATH 651 -	0099

These courses are offered to students upon recommendation of teachers.

HOSPITALITY and TOURISM 801A - HOS 801A - 0135

This is an open course for grade 11 or 12 designed to make students aware of the scope and relative importance of this industry to the people and economy of PEI. Through interactive experiences with the industry, students will work on activities and projects which will help them to be familiar with the various sectors of the industry: accommodation, travel trade, food and beverage, recreation, events and conferences, attractions, tourism services and transportation. Students will become aware of their employability skills through class discussions and project work. Students will receive training in an internationally recognized customer-service training program called "Super Host". This course would benefit any student presently working or planning a career in the tourist industry. Field trip admissions will cost approximately \$20.00. NOTE: This course is only available every second year.

COOPERATIVE EDUCATION - CWS502A/B - 0064 -CWS602A/B - 0137

Co-operative Education is an experiential method of learning that integrates classroom studies with learning through productive work experiences in a field related to a student's academic or career goals. It provides progressive experiences in integrating theory and practice. The co-operative education course is a partnership among students, schools, and the community. This course has a classroom component and a placement component. Prior to placement, all students must demonstrate an understanding of the pre-placement orientation expectations and participate in the development and implementation of their personalized placement learning plans. These plans outline the specific goals the students, teachers, and employers have regarding opportunities to apply and extend knowledge and practice and refine skills to demonstrate student achievement of placement expectations that reflect current workplace practices and standards. Students must be approved by the Student Services Team. Work ethic and attendance are factors used in the decision making. Having a potential work placement is also helpful. This course is open to Grade 11 and 12 students.

CAREER EXPLORATIONS AND OPPORTUNITIES - CEO401A - 0155

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

CAREER FUTURES 801 - CAF801A - 0138

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

MATHEMATICS

MATH 300, GRADE 9 - MAT300A - 0001

Mathematics in grade nine is a full year, compulsory course. It is a preparation for senior high math. Extensive work is done with integers, order of operations, rational numbers, basic trigonometric principles, introductory algebra including solving simple equations and factoring, basic geometry of quadrilaterals, triangles and circles as well as measurement. This is a prerequisite for Math 421.

MATH 421 - MAT421A - 0072

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, co-ordinate geometry, trigonometry and data management. It is recommended that students have a good background in Grade 9 mathematics.

MATH 431 - MAT431A - 0013

This course is a prerequisite for Math 531 and is intended for general level students. It covers number theory (pre-algebra), data management (collecting, displaying, and analyzing data), applied mathematics (networks, matrices, and measurement), and geometry (basic geometry and right triangle trigonometry). This course is for those who experienced difficulty in Grade 9 mathematics.

MATH 521A - MAT521A - 0026

A second level academic mathematics course which is for all students planning to attend university and some Holland College courses as well. It introduces students to topics such as: systems of linear equations, quadratic functions, trigonometry, consumerism, matrices and networks.

MATH 521B - MAT521B - 0104

This course is highly recommended for students planning to enter university business or science programs. The topics are: radicals, reasoning, justification and proof, plane and coordinate geometry, linear inequalities and linear programming, rational expressions, equations, inequalities and developing a function toolkit. Recommended for Math 621B and Math 611B students.

MATH 531 - MAT531A - 0040

A prerequisite for Math 631, with continued development of algebraic skills and a strong focus on consumerism topics including mortgages, payroll deductions, budgeting, etc.

MATH 621A - MAT621A - 0044

A third year academic mathematics course for students planning to attend university. It is also required for some Holland College courses. Topics include developing a function toolkit, exponents and logarithms, sequences and series, trigonometric functions, combinations and probability, and statistics.

MATH 621B - MAT621B - 0107

A third year mathematics course for students entering university business or science programs. The topics include transformations, exponents and logarithms, sequences and series, trigonometric functions, combinatorics and probability, and conics. Recommended for students taking Math 611B.

MATH 611B - MAT611B - 0059

This course starts with topics not covered in previous high school courses such as double-angle and half-angle formulas, natural logs and matrices. The course also deals with limits, derivatives, differentiation rules and methods, applications of derivatives and an introduction to integration.

MATH 631 - MAT631A - 0062

A course in general mathematics which includes topics in algebra, probability, trigonometry and consumer mathematics. In algebra factoring and solving linear and quadratic equations are studied. The consumer topics include income, sales and property taxes. Additionally, the economics of home ownership is explored along with money management and various types of investments.

MATH 801 - MAT801A - 0054

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

SCIENCES

SCIENCE GRADE 9 - 9SCIA- 0004

This course is an introduction to science at the higher grade levels. It is divided into three sections: chemistry, biology and physics. The biology section deals with how living things are structured and classified and how they interact with one another. Chemistry studies the organization of matter and introduces chemical reactions and formulas. Physics deals with basic electricity (both static and current) and theory behind daily electrical use.

SCIENCE 421 - SCI421A - 0011 SCIENCE 431 - SCI431A - 0012

These introductory science courses use the new APEF Science 421 curriculum with units on sustaining ecosystems, physics, chemistry and weather. Prerequisite: Science 300.

BIOLOGY 521 - BIO 521A - 0035

This is the first science course in which the focus is entirely on the life sciences. Biology 521A will provide students with the opportunity to increase their scientific literacy by developing foundational knowledge and skills as well as the opportunity to make connections between the life sciences, technology, society, and the environment. The units of study include (1) Matter and Energy for Life, (2) Biodiversity, (3) Maintaining Dynamic Equilibrium I (Systems: Circulatory, Respiratory, Digestive, Excretory, Immune), and (4) Interactions Among Living Things.

BIOLOGY 621 - BIO621A - 0051

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

BIOLOGY 631 - BIO631A - 0057

This course deals with the systems of the human body with respect to their structures, function and interaction. Other things which affect the human body such as cancer, AIDS, smoking and drug use, genetic engineering and pregnancy are discussed. Laboratory investigations are limited. However, numerous audio-visual materials are used throughout the course. NOTE: This course is open to Grade 11 and 12 students, and is available only every second year.

CHEMISTRY 521 - CHEM521A - 0029

This is the first science course in which the focus is entirely on the attitudes, skills, knowledge, and STSE connections involving chemistry. Chemistry 521A builds upon the knowledge and skills found in the unit called Chemical Reactions in Science 421A. The units of study in Chemistry 521A include: (1) Stoichiometry, (2) From Structures to Properties, and (3) Organic Chemistry. Chemistry 521A provides the quantitative foundation and the chemical structures and properties needed in future chemistry studies.

CHEMISTRY 621 - CHEM621A - 0048

This is the second course in which the focus is entirely on the attitudes, skills, knowledge, and STSE connections involving chemistry. Chemistry 521A provides the foundation for the units of study in Chemistry 621A. These units include: Unit 1 - Thermochemistry; Unit 2 - From Solutions to Kinetics to Equilibrium; Unit 3 - Acids and Bases; Unit 4 - Electrochemistry. NOTE: Successful completion of Chemistry 521 is a prerequisite.

SCI701A - SCI701A - 0065

Applied Science 701A is a physical science course that develops student scientific and technological skills and knowledge through the use of technology and societal/environmental contexts. It contains a balance of theory and experimental activities that builds scientific and technological literacy through the processes of inquiry, problem solving and decision making. Units of study include: Unit 1 - Energy / Sustainability; Unit 2 - Simple Machines (pulleys, levers, ramps, gears, screws); Unit 3 - Fluid Dynamics (hydraulics, pneumatics); and Unit 4 - Introduction of Robotics, (VEX robotics system).

AGRISCIENCE 801 - AGS 801A - 0069

Agriscience is the application of scientific principles and technology to the study of natural resource management and agriculture. Topics include air, water, and soil quality; forestry and wildlife management; aquaculture; plant science; crop and pest management; and home gardening. Emphasis is placed on the relevancy of these topics to Prince Edward Island. Successful completion of Science 421 or 431 is a prerequisite. NOTE: This course is open to Gr 11 and 12 students, and is only available every second year.

PHYSICS 521 - PHY521A - 0024

This is the first science course in which the focus is entirely on the attitudes, skills and knowledge, and STSE connections involving physics. Physics 521A builds upon the knowledge and skills found in the unit called Motion in Science 421A. The units of study in Physics 521A include: Unit 1 - Kinematics (study and description of motion); Unit 2 - Dynamics (study of forces that explain motion); Unit 3 - Momentum and Energy; Unit 4 - Waves. Physics 521A provides the quantitative and theoretical foundation for the units of study in Physics 621A by introducing wave motion and examining in one-dimension the topics of Kinematics, Dynamics, and Momentum.

PHYSICS 621 - PHY621A - 0055

This is the second course in which the focus is entirely on attitudes, skills, knowledge, and STSE connections involving Physics. Physics 521A provides the foundation for the units of study in Physics 621A. Topics related to kinematics, dynamics, and energy in Physics 621A will include analysis in two-dimensions. The units of study in Physics 621A include: Unit 1 - Force, Motion, Work and Energy; Unit 2 - Fields; Unit 3 - Waves and Modern Physics; Unit 4 - Radioactivity. NOTE: Successful completion of Physics 521 is a prerequisite.

SOCIAL SCIENCES

GEOGRAPHY 421 - GEO421A - 0014

The geography of Canada is the topic of this course. Major study areas include landforms, population studies, urbanization, natural resources, commerce and industry and Canada's links with the rest of the world. Map study is employed to examine the various parts of Canada and the world. Methods of evaluation include research projects and reports that may be both written and verbal.

GEOGRAPHY 531 - GEO 531A - 0073

This program emphasizes human geography in a world setting. Students will develop geographic skills while learning about the political and geographic make-up of the world. The interactions between land and water, climates, resources, and people in various parts of the world will be explored throughout the course.

GEOGRAPHY 621 (Global Issues) - GEO 621A - 0134

Students in Global Issues are offered a course combining elements of geography and current world issues. The course is designed to provide opportunities for students to increase their awareness of the world outside Canada's borders and to participate in active citizenship projects. Focus shall be given to discussion, writing, and participation in alternative classroom activities to broaden student awareness of the many relevant topics affecting today's world.

HISTORY, GRADE 9 - 9HISA - 0005

History 300 covers Canadian history from Confederation (1867) to the present day. Students participate in the National Heritage Fair with both written and visual presentations. Daily activities include current news discussions, notes, games, readings, library periods and videos .

HISTORY 421 - HIS 421A - 0133

The study of ancient and medieval history from the early civilizations to the Renaissance and Reformation. Major emphasis is given to the study of Greece and Rome.

HISTORY 521 - HIS 521A - 0038

This course focuses mainly on European history. The only exception is a study of the American Revolution. The course begins with the Renaissance in Italy and ends with the Unification of Germany and Italy. The French Revolution and Napoleon are areas of detailed study. Several small projects and oral class presentations are required.

HISTORY 621 - HIS621A - 0049

This course examines Canadian History from its pre-historic beginnings until today, emphasizing the past 150 years. Each student will be required to research a particular era by focusing on a significant event or person, and then doing an oral presentation on the findings.

HISTORY 621 - HIS621B - 0060

A focus of this course is the question: "What does it mean to be an 'Islander'?" Using multiple sources and current concepts in historical inquiry, students will investigate the social, cultural, political, and economic development of PEI from its earliest records of settlement to the present. Students study various historical themes and issues over time to learn about Prince Edward Island's place in the world as a small island with its own unique story. Students will be challenged to deliberate on current Island issues and to recognize how history sometimes repeats itself in cases such as out-migration, economic development, and land issues. An objective of the course is for students to use community resources, histories, and people as a basis for their own inquiry into particular topics of Island history.

CANADIAN STUDIES 401 - CAS401 - 0030

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

ECONOMICS 621 - ECO621A - 0063

*A course which provides an overview of microeconomic and macroeconomic topics. The course opens with main economic concepts. Microeconomic topics, then focus on such topics as consumer behaviour and business structures. Macroeconomic topics are then studied which include inflation, unemployment, GDP, equilibrium in the economy, fiscal and monetary policy, and their interaction. This course is geared towards students who are furthering their economic studies at the university level. ** Open to Gr 11 and 12 students and is available only every second year.*

HISTORY 631 - HIS631A - 0071

The study of world history from the Age of Absolutism to the present day. The course looks at major events, people and periods that have shaped modern civilization. The focus will be using technology, library research and other modes of learning to explore history. NOTE: This course is open to Grade 11 and 12 students, and is only available every second year.

POLITICAL STUDIES 521 - POL521A - 0144

This course is devoted to the study of the Canadian Political System and includes concepts such as the role of government, the electoral process, the role of political parties, the Constitution, the Parliament, federal, provincial, and municipal governments, the Charter of Rights and Freedoms, and the political concepts such as protest.

LAW 521 - LAW521A - 0025

This course is an introduction to Canadian Law with an exploration of fundamental concepts such as the history and purpose of law, the development and administration of law in Canada. Material is organized into units that include Foundations of Law, Criminal Law, and Civil Law. Other units provide an opportunity for students to further explore specific areas of interest such as Family Law, Contractual Law, Aboriginal Law, Media, and Internet Law.

LAW 531 - LAW531A - 0037

This course allows students to enhance their understanding of Canadian Law through the use of case studies and explorations of legal issues. The course is organized into three units that include (1) Foundations of Law, (2) Criminal Law, and (3) Civil Law. Topics of study will include the trial procedures, the Youth Criminal Justice Act, sentencing, and remedies and defenses among other areas of interest.

ABORIGINAL PEOPLES OF ATLANTIC CANADA 801 - APA801X - 0115

This course is designed to make students more aware of the cultural and historical perspectives of Aboriginal people within the Canadian mosaic.

A major objective of this course is to foster a greater feeling of pride among the Aboriginal students, and to develop a greater cross-cultural sensitivity and appreciation among the non-Aboriginal students. The course will seek to reflect in a positive way the aspects of Aboriginal culture, history, folklore, government, and spirituality

COMPUTER TECHNOLOGY

TA 300, COMPUTER, GRADE 9 - TA300 -

This is a pilot course being offered by the Department of Education as it continues to develop program materials to support eight separate modules. We are implementing four modules: Audio, Desktop Publishing, Digital Photography, and Logic. Additional modules in Web Design, Computer Aided Design, Animation, and Digital Video.

ITC 401, COMPUTER, GRADE 10 - ITC 401A - 0017

ITC401A is highly recommended for life long learning. This is senior high school introductory level course giving students the opportunity to enhance productivity skills using computers. Evaluation is based on the following components:

<i>Keyboarding</i>	<i>(30%)</i>	<i>Spreadsheets and Graphing</i>	<i>(10%)</i>
<i>Visual Presentations</i>	<i>(10%)</i>	<i>Internet Basics</i>	<i>(5%)</i>
<i>Web Production</i>	<i>(5%)</i>	<i>Computer Literacy</i>	<i>(10%)</i>
<i>Word processing and Desktop Publishing (30%)</i>			

The above skills are essential for computer integration across the curriculum, computer literacy and today's workplace. Proper keyboarding skills help to reduce injury and strain as a result of increased use of computer technology.

COMPUTER 521 - CMP 521A - 0105

Introductory Computer Studies. This is an academic computer course designed to give students an understanding of the computer and its effect upon society. The focus of this course is to develop problem-solving skills with various software applications and programming. The following computer areas are addressed:

- Database Management*
- HTML coding and Cascading Style Sheets (CSS)*
- Computer Literacy related to course content (i.e computer systems)*
- Programming (problem solving in BASIC and manipulating 3D objects)*

COMPUTER 621 - CMP 621A - 0070

Designed for academic students as a university/college preparation, but the course will be of benefit to any student wishing to advance existing computer skills. Students should have already achieved reasonable success at the CMP 521 level. A good math background is an asset. The following course components are included:

- Advanced Internet Research*
 - Programming with VISUAL BASIC*
 - Advanced HTML Programming*
 - Animation*

Computer programming will make up at least 50-60% of the course content and evaluation.

IT ESSENTIALS

- ITE 801A -

0211

The CISCO "IT Essentials: PC Hardware and Software" Networking Academy curriculum is used for this course. Students who complete this course will be able describe the internal components of a computer, assemble a computer system, install an operating system and troubleshoot using system tools and diagnostic software. Further topics include connecting to the Internet, sharing network resources, configuring wireless connectivity, maintaining laptops and portable devices, examining security, safety and developing communication skills. Students participate in hands-on activities and lab-based learning to become familiar with various hardware and software components and to discover best practices in maintenance and safety. This curriculum prepares students for entry level careers as field service technicians, bench technicians, help-desk support, and computer sales representatives. Students in ITE 801A are not expected to have any previous technical skills or knowledge.

CREATIVE MULTIMEDIA 801

- CMM 801A -

0075

Creative Multimedia students will acquire basic web and multimedia production through practical experience with digital media technologies. The course will be taught point-of-view and will be activity-based. Creations will be presented in a web or CD portfolio format. Areas include Digital Design Principles, Digital Imaging, Animation, Audio/Video Editing and Web Authoring.

PHYSICAL EDUCATION

PHYSICAL EDUCATION, GRADE 9

- 9PEDA -

0010

This compulsory course introduces students to high school physical education. The students are to participate in various gymnasium and/or outdoor activities. Students become familiar with gymnasium rules, dress code, and acceptable conduct during activity classes. The class component includes some basic Sport Theory on those sports covered in class. Evaluation is based on participation, wearing proper gym attire, co-operation and class tests.

PHYSICAL EDUCATION 401

- PED 401A -

0018

This course is designed to promote active living and instill students with the knowledge and skills to positively contribute to their overall health and wellness. Emphasis is placed on students to make physical activity a part of their lifestyle. The classroom component will deal with concepts such as: Physical activity, fitness and wellness, health-related physical fitness, and the health benefits of physical activity. Evaluation has participation at 35%, co-operation at 35% and tests at 30%.

PHYSICAL EDUCATION 621

- PED 621A -

0058

Physical Education 621 is designed for students who have a prospective interest in community recreation, physical education, coaching, and/or a personal appreciation for the various leadership roles in sport. Instruction will take place in the classroom, gymnasium, and other practical settings. Some projects may require work outside regular class time. Part of the evaluation will be derived from participation in individual or group projects involving administration and organization within both the school and the community. Permission of the instructor is required. Level One coaching certification may be obtained in this course. This is suggested as a course for Grade Twelve students.

PHYSICAL EDUCATION

- PED 801A -

0043

A senior level course available to Grade 11 or Grade 12 students. Most students should already have PED 401. This course concentrates on personal fitness, and emphasis is placed on activity as a lifestyle. There is a mix of traditional and non-traditional sports/activities presented.

MUSIC

MUSIC GR. 9 -9MUSA- 0008

This ultimately will be a progression from musical instruction in grades 7 and 8. For this year musical language and forms, sight-reading, aural training, and listening will be taught plus the experience of practical music instrumental performance. Students should have interest in performing with a school band. An instrumental fee will be compulsory.

MUSIC 421/521/621 - MUS 421A -0119- MUSI521A - 0118 - MUS621A -0199

A continuation of musical instrumental performance developed from MUSIC 300/MUSIC 421. Formal lessons in materials of music, form and history will be included plus the opportunity to relate these elements to music encountered through performance. Interest in involvement in a school band would be expected. An instrumental fee will be compulsory.

MUSIC 801 - MUS 801A- STYLES OF POPULAR MUSIC - 0120

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

HIGH SCHOOL GR. 9 - 9HSLA- 0141

This course consists of four modules at the Grade Nine level, designed to give our first year students a broad base of knowledge in the subjects covered, as well as a sense of well-being as students in Morell High. The modules covered, rotate throughout the year and include, Industrial Arts 300, Home Economics 300, Physical Education 300, Visual Arts 300, Computer 300, and Guidance. The first four are described in their respective section of this book. Guidance is designed to better familiarize incoming grade nine students with the environment here at Morell High. It includes study skills, career exploration, personal growth. Instrumental Music 300 is an optional course also available. Music students will have a lesser number of classes in each module.

PEER HELP

PEER HELPING

- PHP701A - 0117
- PHP801A - 0109

Students enrolled in the full credit program will have an opportunity to earn credit while helping other students with special needs meet the many challenges they encounter in the integrated setting and 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 are given a brief training program. This program outlines the many responsibilities and presents strategies/techniques which may help the peer tutor in meeting the specific needs of his or her assigned student(s). NOTE: Students must sign up for an interview and be approved to take this course.

In PHP801A, students will use skills developed during the 701A course. These experienced peer helpers will also work on a "One to One" basis with students with special needs either in the regular classroom setting or in the resource room. They will further enhance their understanding of their assigned student by researching the student's particular condition and by contributing ideas to the on-going Individual Education Plan process.

HOME ECONOMICS

HOME ECONOMICS, GRADE 9 - 9HECA - 0009

The basic home economics program covers three areas: (1) Sewing; (2) Foods and Nutrition, and (3) Human Sexuality.

FAMILY LIFE 421 - FAM 421A - 0022

Family Life 421 is an academic course designed to help students develop knowledge and appreciation of themselves, their family, and their society in general. It presents units of study which include: Getting to know self - skills you need; families; relationships; marriage and single life; parenting and careers. The course involves lectures, group discussions, projects, guest speakers, audio visual material, quizzes, and a final exam.

FOODS 421 - FDS 421A - 0020

Foods 421 is designed to create an interest in the importance of good nutrition in relation to one's overall health and fitness. It is intended to be both theoretical and skill-oriented. In addition to developing routine living skills, this course would be helpful to anyone planning a career in the food, restaurant or hospitality industries.

CHILD DEVELOPMENT 521 - CHD 521A - 0041

This course explores child development from conception to adolescence. The basic needs of children are examined, as well as the importance of meeting those needs. The course also covers individual differences, discipline, function of play, good eating habits, preparing a child for hospitalization, etc.

CLOTHING 521 - CLO 521A - 0032

This course is designed to create an interest in all aspects of clothing such as fabrics, fibres, construction and wardrobe planning. Students will be required to construct a variety of sewing projects which will allow them to practice several techniques. In addition, students should also have the knowledge to help them make wise clothing-related choices in the marketplace and to maintain and care for their own clothing.

HOUSING 621 - HSG 621A - 0068

This course is a study of all aspects of housing as they affect the consumer. Students examine all forms of housing available, the factors that influence housing choices, the financial aspects of housing, and the many components of housing construction.

FAMILY LIFE 621 - FAM 621A - 0052

Family Life 621 is intended to provide the student with an adequate background to the functions of the basic family unit and its importance to society. The course will include certain components of study such as personality development and individualism; adolescence and its implications; human reproduction, birth control and fertility; sexuality, date rape and sexual orientation; family violence and abuse; sexually transmitted disease; family trends, misconceptions and tradition; alcohol and drug dependance and awareness; life cycles, struggles and obligations.

BUSINESS

ACCOUNTING 621 - ACC621A - 0053

A course which provides an introduction to basic accounting principles. It introduces accounting concepts, procedures and applications. This course is designed for students who are planning to further their accounting studies at the college or university level. NOTE: This course is open to Grade 11 and 12 students, and is only available every second year.

ACCOUNTING 801 - ACC801A - 0061

This course provides basic accounting concepts, terminology and processes. It stresses the importance of maintaining accurate records for future study, entrance to employment, or personal use.

VOCATIONAL TECHNOLOGY

INDUSTRIAL ARTS GR. 9 - 9INDAW - 0007

Industrial Arts 300 is a hands on introduction to basic woodworking skills, equipment and safety. Students will participate in woodworking projects and ceramic projects.

CARPENTRY 701 - CRP 701A - 0028

Introduction to Carpentry allows the student to explore the trade of Carpentry. Students will be introduced to the tools, equipment, and practices common to the trade with a constant emphasis on safe work habits. Students will develop their knowledge for solid wood products describing their characteristics and applications in industry. Students will identify, construct and apply various methods of wood joinery: while developing technical skills with various hand and power tools common to the trade. A lab fee of \$30.00 for materials will be applied.

CARPENTRY 801 (Floor systems) - CAR 801A - 0047

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

CARPENTRY 801 (Structures, Shaping, and Assembly) - CAR 801B - 0140

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