Adult Basic Education
INTERIM PROGRAM GUIDE

2006-2007

Adult Learning and Literacy Division
Department of Education
Government of Newfoundland and Labrador

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Introduction

BACKGROUND

The existing Adult Basic Education Program was developed in 1990 and revised in 1995. The program was designed to provide an opportunity for those who had not completed high school to gain an education equivalent to a high school graduation. To ensure this equivalency, the ABE courses developed in 1990, and revised in 1995, were based on the provincial high school curriculum at the time.

The provincial high school curriculum has undergone extensive change over the past decade as, along with Prince Edward Island, Nova Scotia and New Brunswick, the Province of Newfoundland and Labrador has worked collaboratively on the development of an Atlantic Provinces Curriculum. New courses have been developed in all the core subject areas, and the majority of those are now implemented in the provincial senior high school system.

The Department of Education has recognized the need to develop new courses in the Adult Basic Education program in order to ensure that the program continues to reflect the provincial high school program. To that end, the Department contracted College of the North Atlantic to start the process of developing new ABE courses in January 2005.

NEW COURSE DEVELOPMENT

Working under the direction of the provincial ABE Steering Committee, College of the North Atlantic's Course Development Teams have developed ABE courses equivalent to most of the core provincial senior high curriculum in the period January, 2005, to June, 2006. For each senior high school-equivalent 2-credit course, the teams have developed three ABE 1-credit courses. During the first phase of development, January-July, 2005, a total of 42 ABE courses were developed. The 18 English, 21 Science, and 3 Academic Math courses were implemented in January, 2006, and are currently being taught provincially. Since September, 2005, the development of the remainder of the courses in Math and Science in the Degree and Technical Profile has been completed. The final portion of the high school Science 1206 equivalent (Earth Systems 1109) has been finalized as well as the first two levels of the Academic Mathematics. The second level of the General Science, Science 2100 A, B, and C, is also complete and will be ready for implementation in January, 2007. Each of these new ABE courses has been developed to reflect the learning outcomes of the relevant high school course, and the equivalency status of the new courses has been confirmed by the Department of Education.

The final phase of development for the past year involved the creation of the third level of General Science and the entire General Math program of studies. In looking at these areas, the course developers, using feedback from representatives of ABE delivering institutions, became aware that the outcomes for the courses in the high school program were not suited to the needs of the ABE student. With the approval and direction of the Department of Education, a new set of educational objectives for General Math and Level 3 General Science were chosen. Textbooks

were selected that were more in accordance with the outcomes and reading levels required. The level 3 General Science courses and all of the General Math courses are unique to ABE; they are not directly equivalent to high school courses. The developers have retained some elements of previous ABE Math and Science courses and have also included material that will give ABE students prerequisite knowledge for entry into post-secondary areas of study such as Industrial Trades Programs. The Department of Education has deemed these new courses to be equivalent in amount of content and appropriateness of grade level as well as equivalent for graduation purposes under the General College Profile. These courses are scheduled to be implemented in January, 2007.

In addition to the need for new ABE courses to reflect the changes in the provincial senior high curriculum where possible, the Department of Education has also recognized the need to provide an enhanced level of support for the delivery of the new ABE curriculum. This has been achieved through the development of Curriculum Guides and Study Guides for all new courses. These documents provide information and guidance directly linked to the recommended resources. They constitute an unprecedented level of support for ABE instructors and students, and they should help ensure both quality and consistency in the delivery of the Adult Basic Education program.

PLANNED NEW ORGANIZATION FOR ABE LEVEL III PROGRAM

(FOR THE PURPOSES OF THIS DOCUMENT, ABE LEVEL III WILL BE CALLED SECONDARY LEVEL)

A new structure for the Adult Basic Education program, proposed by College of the North Atlantic, has been approved by the Provincial ABE Steering Committee. The new structure will replace the existing two streams (academic and general) with four streaming options, or *profiles*. The profiles are named according to the post-secondary or employment routes which they may open up for students — *Degree and Technical Profile, Business-Related College Profile, General College Profile* and *Job Entry Profile*.* This will have the advantage of educating students about their post-secondary options and reinforcing the connection between the ABE program and improved employment and training prospects. A greater awareness of this connection should serve as a substantial motivator to ABE students. Because the profiles have the potential for some tailoring of ABE graduation requirements to the entrance requirements of post-secondary programs, the new structure should also help both to reduce artificial barriers and to enhance the value of the ABE program as a preparation for post-secondary programs of study.

Two of the four profiles (Degree and Technical Profile and Business-Related College Profile) can now be instituted with the implementation of the new ABE courses. General College Profile will be implemented in January, 2007 with the introduction of the new General College Profile math and science courses; new students registering under the General College Profile before that time may choose courses from the previous interim graduation requirements in science and math (Page 23). Specific graduation requirements for each of these profiles are included in this guide. The fourth profile (Job Entry) will not be instituted until specific courses (*developmental* English, Math and Science courses) have been

developed. This phase of development has been approved by the Department of Education and work on the courses for the Job Entry Profile will begin in September, 2006.

Note**: *Although the first three profiles are aligned with the highest admission requirements in the province for the relevant post-secondary program,* ***ABE INSTRUCTORS AND STUDENTS ARE STRONGLY ADVISED TO CHECK SPECIFIC ENTRANCE REQUIREMENTS OF POST-SECONDARY PROGRAMS.

The new ABE, Secondary (high school) Level structure is described in more detail in the chart on the following page.

INTERIM PROGRAM GUIDE

This Interim Program Guide complements the existing Adult Basic Education Program Guide (1995 Edition). It is not intended to replace it. For existing ABE courses, and the graduation requirements and course comparison matrixes related to them, the 1995 Program Guide should continue to be used until the revision and updating of the ABE program is complete and all existing courses are replaced by new ones. This Interim Program Guide contains the newly developed ABE courses, new and old graduation requirements, and new course comparison matrixes. **Appendix A**, contains a listing of the new ABE courses and the topics they cover. **Appendix B**, at the back of the guide, contains updated resource lists along with ordering information.

Adult Basic Education
PLANNED NEW SECONDARY LEVEL ORGANIZATION

Degree and Technical Profile	**Business-Related College Profile**	**General College Profile**	**Job Entry Profile**
This Profile correlates with the provincial Senior High School's *Academic* program. The Profile is designed for students who intend to go on to University or other post-secondary programs which require an equivalent level of secondary education (for example, Engineering Technology, Natural Resources and Health Sciences programs). Phasing in of this Profile will begin with introduction of new core English, Science and Math courses. **ABE Course Requirements** English Language Arts (Academic) Mathematics (Academic) Science (Academic) Adult-Oriented Electives (*courses to be developed)* Social Studies Technology Economic Education Post-Secondary Personal Development/Career Awareness General Options/Any Subject Area	This Profile correlates in large measure with the provincial Senior High School's *Academic* program. However, course requirements make it a more appropriate preparation for entry into business-related college level programs (for example, Business Administration, Business Management, and Information Technology programs). Phasing in of this Profile will begin with introduction of new core English, Science and Math courses. **ABE Course Requirements** English Language Arts (Academic) Mathematics (Academic) Science (General or Academic) Adult-Oriented Electives (*courses to be developed*) Social Studies Technology Economic Education Post-Secondary Personal Development/Career Awareness General Options/Any Subject Area	This Profile correlates with the provincial Senior High School's *General* program. The Profile is designed for students who intend to go on to post-secondary programs which require a high school graduation from the General program (for example, Office Administration, Industrial Trades and some Applied Arts programs). Phasing in of this Profile will begin with introduction of new core English courses. **ABE Course Requirements** English Language Arts (General) Mathematics (General) Science (General) Adult-Oriented Electives (*courses to be developed*) Social Studies Technology Economic Education Post-Secondary Personal Development/Career Awareness General Options/Any Subject Area	This Profile will represent a new option for Adult Basic Education students. The core courses, provisionally named *Developmental*, will be new courses designed to strengthen oral and written communications; reading comprehension and document analysis; numeracy skills and mathematical applications; and fundamental science skills and knowledge. Completion of this Profile may prepare students for successful employment in jobs which require high school graduation or equivalent. Phasing in of this Profile will begin with the introduction of new Developmental English, Math and Science courses. **ABE Course Requirements** Developmental English (*courses to be developed*) Developmental Mathematics (*courses to be developed*) Developmental Sciences (*courses to be developed*) Technology (*courses to be developed*) Adult-Oriented Electives (*courses to be developed*) Social Studies Technology Economic Education Employability Skills Personal Development/Career Awareness General Options/Any Subject Area

ABE Course Development

The process of developing new ABE courses, both to reflect the current provincial senior high school curriculum and to make the ABE program more responsive to the needs of its clientele, is a major undertaking which will take careful planning and time to complete. Although a substantial portion of the work has been completed in the January, 2005 to June, 2006 period, there is still much remaining to be done. The development of the fourth profile (Job Entry Profile) and the Adult Oriented Electives has been approved by the Department of Education and work in these areas will begin in September, 2006. This section of the Interim Program Guide summarizes the work completed to date.

SUMMARY OF NEW COURSE DEVELOPMENT TO DATE

English

ABE courses equivalent to the core senior high English program (academic and general) have been developed and were implemented for piloting in January, 2006. The English courses use the same teaching and learning resources as are used in the provincial high school system. However, there is some scope in the ABE program for interchangeability of both reference books and anthologies. The lists of recommended novels, non-fiction books and longer plays have been developed specifically for ABE, although there is some commonality with senior high school. These lists are included in the Curriculum Guides for the relevant courses. Instructors are encouraged to explore current publication and "best seller" lists for novels and non-fiction books that have literary merit and would be suitable for use by ABE students. This would ensure that reading lists are kept up-to-date and contain materials suitable for adult readers.

Mathematics

Mathematics courses equivalent to all of the high school Academic Mathematics have been developed and the first two levels are ready to be implemented. The Level 3 courses were put in place in January, 2006. The Academic Math texts used in the provincial high school system were assessed for use in ABE, but the approach was found to be incompatible with the individualized study required in the ABE program. Other Math texts were reviewed, and it was decided to adopt the texts which are used in the Western Canadian senior high school systems since these texts were most compatible with the outcomes as defined by the Department of Education in Newfoundland and Labrador.

Under the former ABE Program, Students who planned to study Level III Algebra, Geometry, or Trigonometry would be required to first complete Algebra Readiness (IM3101) and Geometry Readiness (IM3102). No new introductory math courses have been developed to accompany the new Degree and Technical Profile math. **It is suggested that IM 3101 (sections 1-4) and IM3102 (Section 1) continue to be used as an introduction to academic math, especially for students who have not been exposed to math for a period of time.** The recommended sections provide the necessary introductory material to support future success in the nine Degree and Technical Profile math courses.

All three levels of the General College Profile Math program are nearing completion and will be implemented by January, 2007. The new General Math courses are unique to ABE and are developed around a set of learning outcomes created to meet the needs of ABE students. A series of textbooks written for the British Columbia Ministry of Education was chosen for use in achieving these outcomes;

the new texts are described in the Curriculum Guides for General College Profile Math, and ordering information is included in the resource lists in **Appendix B** of this guide.

Note: The Department of Education has sanctioned these new General College Profile Math courses as equivalent in amount of content and appropriateness of grade level, as well as equivalent for graduation purposes under the General College Profile.

Science

Courses equivalent to all the senior high Biology, Chemistry and Physics have been developed and implemented. The final equivalent part of the high school *Science 1206* course has been completed; Earth Systems 1109 will be implemented in September, 2006. The senior high school *Earth Systems 3209* and *Environmental Science 3205* courses were not yet in their final versions when the ABE course development process finished this year. These courses will be developed for the ABE Program when the Department of Education has completed their versions for the high school system. General College Profile Science 2100 (A, B, and C) follows the outcomes for the high school *Science 2200* course and is equivalent in content.

The third level of General Science in the high school program was deemed to be unsuited to the needs of ABE students and, consequently, a new set of educational outcomes was developed with the guidance of the Department of Education consultants and the approval of the Department of Education Steering Committee. As with the new General College Profile Math courses, the third level General College Profile Science courses are considered equivalent in amount of content and complexity, and they meet the requirement for graduation under the General College Profile. The Level 3 General College Profile Science courses will be ready for implementation in January, 2007.

All the new ABE Degree and Technical Profile Science courses and the General College Profile Science 2100 A, B, and C courses use the same resources that are used in the provincial high school system. The level 3 General College Profile Science courses, however, use a different series of texts. These are described in the Curriculum Guides, and ordering information is included in **Appendix B** at the back of this guide.

Using the Documents

Using the Curriculum/Study Guides

The Curriculum and Study Guides for each new ABE course are created to be companion documents to assist both student and instructor in meeting the required outcomes for that course. The **Study Guide** is intended to lead the student through each unit of study by listing and explaining the required readings, practice exercises, and assignments necessary for successful completion of the course. The **Curriculum Guide** is the instructor's document which contains helpful notes to aid in teaching and learning as well as suggestions for how assessment of the learning outcomes might be accomplished. Each delivering institution for ABE has been sent hard copies (double sided) of each course for use and reproduction.

The new documents have also been put on CDs so that instructors may freely copy them as needed. When printed from the CD, the documents will contain blank pages. The inclusion of these blank, and blindly numbered, pages is intentional since the documents are intended to be reproduced as **double-sided copies**.

Items used for assessment should be only those that satisfy the learning outcomes and are referenced in the work the student completes under the *Work to Submit* and *Required work* sections of the Study Guides. This will ensure that students are fairly tested and assessed on work they have covered.

ABE students have a broader scope of courses from which to choose than ever before. This is especially true for students who elect to follow the graduation requirements for the General College Profile. The 3000-level courses in both math and science allow students in this profile to tailor their program by choosing courses designed to enhance their future success in post-secondary programs. For example, Math 3107 A, B, and C, Science 3101, Science 3102, and Science 3103 are excellent choices for students planning post-secondary study in the Industrial Trades.*

* See Appendix A for a listing of topics covered in these courses.

Using the Documents

Using the Interim Program Guide

This guide refers to ABE Level III as **Secondary** (high school) Level. While creating courses that are directly equivalent to the provincial high school program, the developers became aware that the expression, “level 3", meant a course at the third level of study (grade 12) in that program. Course numbering reflected the successive levels of study, with a course often being pre-requisite to the course at the next level. In the previous ABE program, Level III represented the **entire** high school program with **all** course numbers prefaced by “3" (IP 3215, IC 3211, IM 3212, etc.). In order to more clearly show the equivalencies between the new ABE program and the current high school program, the courses have been numbered accordingly. A mention of level 1 refers to courses at high school-entry level (English 1101A, Math 1102C, Biology 1101). Any mention of level 3 in this guide will relate to courses at the top level of our new secondary program.

In most cases, a 2- credit, core high school course has been translated to three 1- credit ABE courses. These three courses represent 70% of the content of the high school equivalent. In developing the ABE equivalent to the high school Science 1206, however, the developer incorporated more than 90% of the content of the high school equivalent.
To transfer the course back to high school, an ABE student must complete **three** of the four courses (Biology 1101, Chemistry 1102, Physics 1104, Earth Systems 1109). Students transferring Science 1206 from the high school into ABE will receive **four** credits for having completed all four parts. A student who transfers Science 3200, Math 1206, 2206, **or** Math 3206 from the highschool will receive **3 credits** for two even though direct equivalencies do not exist. Other courses will still be transferred on a credit-to-credit basis.

Students may not receive credit for two courses that are deemed equivalent in content. Most of these equivalencies are indicated in the **Course Comparison Matrices.** For example, a student who has completed IP3213-Waves could not also receive credit for Physics 2104C since these courses are listed in the matrix as equivalent courses.

An instance where equivalence is not indicated in the matrix is the case of the high school course Science 1206 (ABE Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109) and Science 2200 (ABE Science 2100 A, B, and C). **A student who has completed Science 1206 in high school may not also receive credit for high school Science 2200 or its ABE equivalent, Science 2100 A, B, and C, since there is too great an overlap in content.**

Similarly, because of content overlap, ABE students may <u>not</u> receive credit for both:
Science 1206 or Chemistry 1102 **and** Science 3101
Biology 1101 **and** Science 2100A
Earth Systems 1109 **and** Science 2100B
Biology 1101 and/or Earth Systems 1109 **and** Science 2100C*

** Instructors and students are advised of these overlaps of content in the Curriculum and Study Guides for the relevant courses. This will only be an issue when a student is switching profiles or choosing courses from two profiles and has already completed the equivalent content.*

New ABE Courses

The chart contained on the following two pages lists the new ABE courses now ready for implementation as well as those developed to be put into use in January, 2007 - and their equivalent courses in the provincial Senior High School Program.

New ABE Courses	Equivalent High School Course
English	
English 1101A, 1101B, 1101C	English 1201 (Academic)
English 2101A, 2101B, 2101C	English 2201 (Academic)
English 3101A, 3101B, 3101C	English 3201 (Academic)
English 1102A, 1102B, 1102C	English 1202 (General)
English 2102A, 2102B, 2102C	English 2202 (General)
English 3102A, 3102B, 3102C	English 3202 (General)
Mathematics	
Mathematics 1104A, 1104B, 1104C	Mathematics 1204 (Academic)
Mathematics 2104A, 2104B, 2104C	Mathematics 2204 (Academic)
Mathematics 3104A, 3104B, 3104C	Mathematics 3204 (Academic)
Mathematics 2105A, 2105B, 2105C (Gen)**	No Direct Equivalency
Mathematics 3107A, 3107B, 3107C (Gen)**	No Direct Equivalency
Mathematics 3109A, 3109B, 3109C (Gen)**	No Direct Equivalency
Science	
Biology 1101*	
Biology 2101A, 2101B, 2101C	Biology 2201
Biology 3101A, 3101B, 3101C	Biology 3201
Chemistry 1102*	
Chemistry 2102A, 2102B, 2102C	Chemistry 2202
Chemistry 3102A, 3102B, 3102C	Chemistry 3202

New ABE Courses

New ABE Courses	Equivalent High School Courses
Science (Continued)	
Physics 1104*	
Physics 2104A, 2104B, 2104C	Physics 2204
Physics 3104A, 3104B, 3104C	Physics 3204
Earth Systems 1109*	
Science 2100A, 2100B, 2100C	Science 2200
Science 3101**	No Direct Equivalency
Science 3102**	No Direct Equivalency
Science 3103**	No Direct Equivalency
Science 3104**	No Direct Equivalency
Science 3105**	No Direct Equivalency
Science 3106**	No Direct equivalency

***Note**: *Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109 are based on the relevant Units of Science 1206. Successful completion of any **three** of these courses will be equivalent to the high school course, Science 1206. Students transferring in Science 1206 from the high school, having done all 4 units, will receive **four** ABE credits. Students planning to complete the 2000 and 3000 level grouping in Biology, Chemistry or Physics need do only **two** courses from the 1000 level, as described in the new Graduation Requirements.*

*** The possibility exists (despite the lack of direct equivalency) of transferring these courses back to high school if a student needs six or less high school credits; these courses will be implemented in January, 2007 along with Science 2100A, B, and C.*

ABE Graduation Requirements

NEW (INTERIM) AND PREVIOUS GRADUATION REQUIREMENTS

The following pages contain charts detailing the **latest** (Full Implementation, January, 2008)) graduation requirements, **previous** interim(January, 2006- December, 2006) graduation requirements, and the **former** ABE graduation requirements. The latest graduation requirements include all newly developed ABE courses, many of which are directly equivalent to particular high school courses. Enough courses have been implemented for students to graduate under the first two profiles. The General College Profile Math and Science courses will be implemented in January, 2007, thus completing that profile also. The **Interim** (Page 25) graduation requirements include the newly developed ABE courses in Science, English and Math available at the time, as well as some courses from the existing program. Students who began under this set of requirements may continue to choose courses from it until the graduation requirement is met. Students who qualify (see guidelines below) may also graduate under the former ABE graduation requirements until December, 2007.

GUIDELINES FOR APPLICATION OF GRADUATION REQUIREMENTS

Students who are starting the ABE program (with no ABE credits accumulated) will graduate under the latest graduation requirements (Page 19) for the Degree and Technical or Business-Related Profiles. New students who choose the General College Profile will have to follow the previous Interim Graduation Requirements for Math and Science (Page 25) until the new Math and Science courses for that profile are implemented in January, 2007. Students who entered the program prior to September, 2006, with no existing ABE credits and started under the Interim Graduation Requirements (Page 25) may continue under these requirements, if so desired. Existing ABE students and students returning to ABE after an absence (with ABE credits accumulated) have the option of graduating under the Former Graduation Requirements (Page 27) *or* the New Graduation Requirements. **It is suggested, however, that students who return to ABE after September, 2006, with only a few ABE credits may not be able to finish under the former graduation requirements within the allotted time frame.**

The former graduation requirements will remain in effect until **December 31, 2007.** After this date, students will no longer have the option of graduating under these former graduation requirements. ***Existing and returning ABE students will need to be advised as to whether they have enough time to meet the Former Graduation Requirements by December 31, 2007***.

ABE Graduation Requirements

New Graduation Requirements (Latest)
To be Fully Implemented in January, 2007
Minimum Credits for Graduation - 36

Degree and Technical Profile	Business-Related College Profile	General College Profile
English (9 Credits)	**English (9 Credits)**	**English (9 Credits)**
English 1101A, 1101B, 1101C English 2101A, 2101B, 2101C English 3101A, 3101B, 3101C	English 1101A, 1101B, 1101C English 2101A, 2101B, 2101C English 3101A, 3101B, 3101C	English 1102A, 1102B, 1102C English 2102A, 2102B, 2102C English 3102A, 3102B, 3102C ***Note:* See next page for other options**.
Mathematics (9 Credits)	**Mathematics (9 Credits)**	**Mathematics (6 Credits)**
Math 1104A, 1104B, 1104C Math 2104A, 2104B, 2104C Math 3104A, 3104B, 3104C	Math 1104A, 1104B, 1104C Math 2104A, 2104B, 2104C Math 3104A, 3104B, 3104C	Math 2105A, 2105B, 2105C **+ one of the following groupings:** Math 3107A, 3107B, 3107C **or** Math 3109A, 3109B, 3109C ***Note:* See next page for other options**.
Science (8 Credits)	**Science (6 Credits)**	**Science (6 Credits)**
Credits must include: **2 credits from:** Biology 1101 Chemistry 1102 Physics 1104 Earth Systems 1109 **+ one of the following groupings:** Biology 2101A, 2101B, 2101C Biology 3101A, 3101B, 3101C **or** Chemistry 2102A, 2102B, 2102C Chemistry 3102A, 3102B, 3102C **or** Physics 2104A, 2104B, 2104C Physics 3104A, 3104B, 3104C	Students working under the *Business-Related College Profile* may follow the graduation requirements in science for **either** the Degree and Technical Profile **or** the General College Profile, to a minimum of six credits.	Credits must include: **3 credits from the following:** Science 3101 Science 3102 Science 3103 Science 3104 Science 3105 Science 3106 IS 3214 Environmental Science* **+ 3 more credits from:** The list above **or** Science 2100A Science 2100B Science 2100C **or** Any science from Degree and Technical Profile (provided that pre-requisites are met) ***Note:* See next page for other options**.

All Profiles

Personal Development and Career Awareness (4 Credits)

IE 3211 Consumer Studies	IE 3212 Computer Studies	IE 3213 Career Awareness	IE 3214 Personal Development

Electives	General Options
Additional credits including those from subject areas above, as needed to make up the minimum of 36 credits	Maximum of 10 credits

***Note:* Students must complete all pre-requisites to chosen courses.**

**** Environmental Science , IS 3214, from the "former" ABE Program is being retained until the new high school-equivalent course is developed.***

Other Options for ABE Graduation under the General College Profile

Courses from *Degree and Technical Profile* may be used to satisfy the graduation requirements for the *General College Profile*, **provided all pre-requisite courses are completed.** As with the high school program, courses of a higher academic level may be used to satisfy general graduation requirements **but not vice versa**. In other words, students in the *General College Profile* who excel in a particular subject area may take the more academic courses in that subject area and still meet the requirements for graduation under the *General College Profile*. This flexibility will maximize the ways in which ABE students can accrue credits and allow for tailoring of the program to better prepare ABE students to compete in post-secondary programs.

Advanced courses from the high school program may be transferred into the ABE program in the same way; two high school credits transferring as three ABE credits. Because these courses represent a higher academic level, they may satisfy the requirement for the equivalent level Degree and Technical Profile course. A student who has completed Advanced Mathematics 2205, for example, will have also completed Math 1204 as a prerequisite. These two courses represent six transfer credits, and the student would then have to do only Math 3104A, B, and C to meet the graduation requirement. If a student with Advanced Math 2205 wished to graduate under the General College Profile, the math requirement for that profile (6 math credits) would already be met.

Math

ABE Students
In lieu of the courses listed for math under the *General College Profile* Graduation Requirements, a student may do **six** math credits from *Degree and Technical Profile*. It is important, however, that the student follow all pre-requisite requirements for the courses in that profile. Students who start with the more academic courses and decide to revert to the *General College Profile* math must then do **all** of the required courses in that profile because the content is completely different. Any math courses completed under the *Degree and Technical Profile* may then be used as non-specific math credits for graduation purposes.

High School Transfer Students
Students who transfer Math 1204 or Math 1206 from the high school system into ABE and wish to graduate under the *General College Profile* must complete **all** requirements in math under that profile. The transferred credits will be used as math credits to help meet the minimum required total of 36 credits for graduation. If a student transfers four math credits (equal to six ABE credits) from the high school, that student has already met the requirement for math under the *General College Profile*.

ABE Graduation Requirements

Math Designed for Entry to Industrial Trades

Three of the new ABE math courses have been developed specifically to prepare students for post-secondary study in Industrial Trades Programs such as Oil Burner Mechanic, Electrician, Plumber, Instrumentation Mechanic, etc. These courses give students the knowledge and skills necessary for success in post-secondary study in these areas. It is **strongly suggested** that instructors recommend the following math courses to students who intend to enter Industrial Trades Programs:

Math 3107A Measurement Technology, Design and Measurement
Math 3107B Relations and Formulas
Math 3107C Variation and Formulas

These courses were developed with the expert input of Industrial Trades consultants and bear a strong link to post-secondary trades programs.

Science

ABE Students

ABE students who wish to graduate under the *General College Profile* may complete science courses in the *Degree and Technical Profile* if they wish. This option will give the student a greater scope of scientific study from which to choose. For example, a student under the *General College Profile* who intends to study commercial cooking or hospitality tourism might opt to study biology or chemistry, since these courses relate to their chosen post-secondary study. Such a student could complete all **six** science credits under *Degree and Technical Profile*, making sure all pre-requisite courses are completed. It is important to note that four of these courses should be in one concentration; for example, Biology 1101, 2101A, 2101B, 2101C. The student could then continue to complete two more courses to satisfy the requirement of six credits. These could be from the 3000-level of the chosen concentration or from the 1000 and 2000 levels of another (making sure all pre-requisites are met). The six credits would meet the requirement for science under the *General College Profile.* These are minimum credit values; a student could choose to complete the entire 3000-level of the concentration.

High School Transfer Students

High school students who transfer in Science 1206 will receive **four** credits. The student may graduate under the *General College Profile* by completing three more science credits, in one concentration (biology, chemistry, physics) under the *Degree and Technical Profile* (making sure all pre-requisites are met) **OR** by completing three credits from Science 3102, 3103, 3104, 3105, or 3106, for a total of seven credits. If the student transfers in Science 1206 and the 2000 level of biology, chemistry or physics (a total of 7 ABE credits), that student has already met the graduation requirement for science under the General College Profile.

Note: students cannot receive credit for **both** Science 2200 (Science 2100 A, B, and C) **and** Science 1206 (ABE Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109) because of an overlap in content of some of these courses. For details please see page 14 of this guide.

Science Designed for Entry to Industrial Trades

Three of the new ABE science courses have been developed specifically to prepare students for post-secondary study in Industrial Trades Programs such as Oil Burner Mechanic, Electrician, Plumber, Instrumentation Mechanic, etc. These courses give students the knowledge and skills necessary for success in post-secondary study in these areas. It is **strongly suggested** that instructors recommend the following science courses to students who intend to enter Industrial Trades Programs:

Science 3101 Matter and Chemical Change
Science 3102 Simple Machines and Energy
Science 3103 Electricity

These courses were developed with the expert input of Industrial Trades consultants and bear a strong link to post-secondary trades programs.

English

ABE Students

Since English is cumulative in knowledge and skills rather than specific content, a student may change from the more stringent *Degree and Technical Profile* English to the *General College Profile* English and start with the course at the next level. For example, a student who has finished English 1101 A, B, and C, and wishes to change to the *General College Profile*, may complete English 2102 A, B, and C and English 3102 A, B, and C to meet the graduation requirement. In English, the courses are laid out with similar content in all profiles. If a student changes profiles after completing the A and B portions of a particular level in the *Degree and Technical Profile*, that student may pick up the C portion of the same level in the *General College Profile*. A *General College Profile* student may also do all nine courses from the *Degree and Technical Profile*, but must understand that the reading levels of the materials and the expectation for quality of work produced is of a higher standard.

High School Transfer Students

Students who transfer English 1201 from the high school may graduate under the *General College Profile* either by completing the more academic English (2101 A, B, C and 3101 A, B, C) or the *General College Profile* English (2102 A, B, C and 3102 A, B, C). Students who

transfer in both English 1201 and 2201 may complete the 3000 level courses from either profile and still meet the requirement for graduation under the *General College Profile.*

Points to Remember:

- Graduation requirements include only minimum credit values. Students, once having met the minimum requirement, may do subsequent courses.

- If a student has met the graduation requirement for a particular subject in the high school system, (s)he has also met the graduation requirement for that subject in ABE.*****

- While graduation requirements for the various profiles meet the entrance requirements for many post-secondary programs in Newfoundland and Labrador, it is the responsibility of the student to ensure that specific entrance requirements are met.

- The ABE consultant at the Department of Education should be consulted at the outset if there is any doubt as to a student's eligibility for graduation under courses from combined profiles.

**** With the exception of Degree and Technical Profile science and Degree and Technical Profile math and Business-Related College Profile math.***

If a student has completed 4 academic science credits in high school, that student has met the science requirement for the General College Profile or the Business-Related College Profile (6 science credits) and may choose to graduate under one of these profiles. To graduate under the Degree and Technical Profile, however, the student would need to do (the equivalent of) all 8 science courses.

If a student has completed 4 academic math credits in high school, that student has met the math requirement for the General College Profile (6 math credits) and may choose to graduate under it. To graduate under the Degree and Technical Profile or the Business-Related College Profile, however, the student would need to do (the equivalent of) all 9 math courses.

Interim Graduation Requirements

(Revised in June, 2006 from the Interim Requirements in the 2005-2006 Program Guide)

Valid until December 31, 2007

*Interim applies to students who entered ABE for the first time in January, 2006 - December, 2006 **

(Includes newly developed courses as well as some courses from the existing ABE program.)

Minimum Credits 36

Degree and Technical Profile	Business-Related College Profile	General College Profile
English (9 Credits)	**English (9 Credits)**	**English (9 Credits)**
English 1101A, 1101B, 1101C English 2101A, 2101B, 2101C English 3101A, 3101B, 3101C	English 1101A, 1101B, 1101C English 2101A, 2101B, 2101C English 3101A, 3101B, 3101C	English 1102A, 1102B, 1102C English 2102A, 2102B, 2102C English 3102A, 3102B, 3102C
Mathematics (6 Credits)	**Mathematics (6 Credits)**	**Mathematics (6 Credits)**
Credits must include the following: Prerequisites to and: IM 3212 Algebra IV IM 3213 Algebra V IM 3216 Trigonometry IM 3115 Geometry II ***or*** Math 1104A, 1104B, 1104C Math 2104A, 2104B, 2104C Math 3104A, 3104B, 3104C	**Credits must include the following:** Prerequisites to and: IM 3212 Algebra IV IM 3213 Algebra V IM 3216 Trigonometry IM 3115 Geometry II ***or*** Math 1104A, 1104B, 1104C Math 2104A, 2104B, 2104C Math 3104A, 3104B, 3104C	**Credits must include the following:** IM 3106 Business Math I IM 3207 Business Math II
Science (8 Credits)	**Science (6 Credits)**	**Science (6 Credits)**
Credits must include: *2 credits from* : Biology 1101 Chemistry 1102 Physics 1104 Earth Systems 1109 ***+ one of the following groupings*:** Biology 3101A, 3101B, 3101C Chemistry 3102A, 3102B, 3102C Physics 3104A, 3104B, 3104C	**Credits must include:** *2 credits from*: Biology 1101 Chemistry 1102 Physics 1104 Earth Systems 1109 IS 3213 Geology IS 3214 Environmental Science	**Credits must include:** *2 credits from*: IS 3212 Geology ***or*** IS 3214 Environmental Science

All Profiles			
Personal Development and Career Awareness (4 Credits)			
IE 3211 Consumer Studies	IE 3212 Computer Studies	IE 3213 Career Awareness	IE 3214 Personal Development

Electives	General Options
Additional credits including those from subject areas above, as needed to make up the minimum of 36	Maximum of 10 credits.

Note: *In addition to the required courses listed above, students must complete all pre-requisites.*

* New General College Profile students may follow these requirements for Science and Math until the new courses are implemented in January, 2007

** Note: Trigonometry is covered in High School Math 2204, but not in 3204. Students who have completed High School Math 2204 could
meet the graduation requirements by completing ABE 3104A, 3104B and 3104C. It would not be necessary to complete IM 3216 Trigonometry.

ABE Graduation Requirements

Former Graduation Requirements

Valid until December 31, 2007

Minimum Credits 36

Communication Skills (6 Credits)		
IC 3211 Basic Grammar and ➪ IC 3112 Writing Skills	Plus at least one of the following ➪	IC 3116 Business Communications IC 3215 Research Writing IC 3222 Optional Literature IC 3321 Thematic Literature

Mathematics (6 Credits)				
Academic Stream		**Advanced Stream**		**General Stream**
IM 3212 Algebra IV IM 3213 Algebra V IM 3216 Trigonometry IM 3115 Geometry II	or	IM 3219 Advanced Algebra III IM 3222 Calculus Readiness IM 3221 Advanced Geometry	or	IM 3106 Business Math I IM 3207 Business Math II

Science (6 Credits)						
Biology		**Chemistry**		**Physics**		**General Science**
IB 3113 Ecology IB 3115 Evolution IB 3214 Genetics IB 3316 Human Systems	or	IH 3215 Chemical Bonding IH 3116 Solution Chemistry IH 3117 Rates, Reaction and Equilibrium IH 3118 Acids and Bases	or	IP 3215 Mechanics I IP 3216 Mechanics II IP 3111 Electricity I IP 3112 Electricity II	or	IS 3212 Geology **or** IS 3214 Environmental Science

Employability Skills (4 Credits)			
A minimum of 4 credits (2 courses) from below:			
IE 3211 Consumer Studies	IE 3212 Computer Studies	IE 3213 Career Awareness	IE 3214 Personal Development

ELECTIVES	**GENERAL OPTIONS**
All Streams	All Streams
Any 4 credits from the subject areas above	Maximum of 10

Note: *In addition to the required courses listed above, students must complete all pre-requisites.*

Course Comparison Matrixes

ABE Secondary Level English Course Comparison Matrix

New Adult Basic Education/Current High School*	
New ABE Course(s)	**Current High School Course**
English 1101A, 1101B, 1101C	English 1201 (Academic)
English 2101A, 2101B, 2101C	English 2201 (Academic)
English 3101A, 3101B, 3101C	English 3201 (Academic)
English 1102A, 1102B, 1102C	English 1202 (General)
English 2102A, 2102B, 2102C	English 2202 (General)
English 3102A, 3102B, 3102C	English 3202 (General)

*__Note__ *These credit equivalencies can transfer in either direction: from New ABE to Current High School or from Current High School to New ABE.*

From **Former High School** ***to*** **New Adult Basic Education***	
Former High School Course(s)	**New ABE Course(s)**
Any combination of Academic English and Literature courses at High School Level 1	English 1101A, 1101B, 1101C
Any combination of Academic English and Literature courses at High School Level 2	English 2101A, 2101B, 2101C
Literary Heritage 3202 or Thematic Literature 3201 + Language 3101	English 3101A, 3101B, 3101C
Any combination of General English and Literature courses at High School Level 1	English 1102A, 1102B, 1102C
Any combination of General English and Literature courses at High School Level 2	English 2102A, 2102B, 2102C
Any combination of General English and Literature courses at High School Level 3	English 3102A, 3102B, 3102C

*__Note__ *These credit equivalencies can transfer in one direction only: from Former High School to New ABE.*

Course Comparison Matrixes

ABE Secondary Level English Course Comparison Matrix

From **Former Adult Basic Education** *to* **New Adult Basic Education***	
Former ABE Course(s)	**New ABE Course(s)**
4 Communication Skills credits to include: Any ABE Literature**	English 1101A, 1101B, 1101C
5 Communication Skills credits to include: Any ABE Literature + IC 3112 Writing Skills	English 2101A, 2101B, 2101C
6 Communication Skills credits to include: IC 3321 Thematic Literature + IC 3112 Writing Skills	English 3101A, 3101B, 3101C
4 Communication Skills credits	English 1102A, 1102B, 1102C
4 Communication Skills credits to include: Any ABE Literature**	English 2102A, 2102B, 2102C
6 Communication Skills credits to include: Any ABE Literature + IC 3112 Writing Skills	English 3102A, 3102B, 3102C

*__Note__ *These credit equivalencies can transfer in one direction only: from Former ABE to New ABE.*

*** A student cannot be granted credit for both English 1101A, 1101B, 1101C and English 2102A, 2102B, 2102C on the basis of these ABE credits.*

Course Comparison Matrixes

ABE Secondary Level Science Course Comparison Matrix

New Adult Basic Education/Current High School*	
New ABE Course(s)	Current High School Course(s)
Biology 1101 Chemistry 1102 Physics 1104 Earth Systems 1109	Science 1206
Biology 2101A, 2101B, 2101C	Biology 2201
Biology 3101A, 3101B, 3101C	Biology 3201
Chemistry 2102A, 2102B, 2102C	Chemistry 2202
Chemistry 3102A, 3102B, 3102C	Chemistry 3202
Physics 2104A, 2104B, 2104C	Physics 2204
Physics 3104A, 3104B, 3104C	Physics 3204

*__Note__ *These credit equivalencies can transfer in either direction: from New ABE to Current High School or from Current High School to New ABE.* ***Successful completion of any three of Biology 1101,Chemistry 1102, Physics 1104, and Earth Systems 1109 will constitute equivalency to high school Science 1206. Students transferring Science 1206 from high school will receive 4 ABE credits.***

***From* Former High School *to* New Adult Basic Education**	
Former High School Course(s)	New ABE Course(s)
Biology 2201	Biology 2101A ***and*** Biology 2101B
Biology 3201	Biology 1101 ***and*** Biology 2101C ***and*** Biology 3101A ***and*** Biology 3101B ***and*** Biology 3101C
Chemistry 2202	Chemistry 1102 ***and*** Chemistry 2102A
Chemistry 3202	Chemistry 2102B ***and*** Chemistry 2102C ***and*** Chemistry 3102A ***and*** Chemistry 3102B
Physics 2204	Physics 2104C
Physics 3204	Physics 2104A ***and*** Physics 2104B ***and*** Physics 3104B

*__Note__ *These credit equivalencies can transfer in one direction only: from Former High School to New ABE.*

Course Comparison Matrixes

ABE Secondary Level Science Course Comparison Matrix

From Former Adult Basic Education *to* New Adult Basic Education*	
Former ABE Course(s)	**New ABE Course(s)**
Biology	
IB 3113 Ecology	Biology 1101
IB 3211 Cytology	Biology 2101A
IB 3212 Living Things	Biology 2101B
IB 3214 Genetics ***and*** IB 3115 Evolution	Biology 3101C
IB 3316 Human Systems	Biology 2101C ***and*** Biology 3101A ***and*** Biology 3101B
Chemistry	
IH 3111 Introductory Chemistry ***and*** IH 3112 Chemical Language ***and*** IH 3113 Reactions and Equations	Chemistry 1102
IH 3114 Mole and Stoichiometry	Chemistry 2102A
IH 3215 Chemical Bonding	Chemistry 2102B
IH 3117 Rates and Equilibrium ***and*** IH 3118 Acids and Bases	Chemistry 3102B
IH 3116 Solution Chemistry ***and*** IH 3119 Organic Chemistry	Chemistry 2101C
IH 3120 Electrochemistry	Chemistry 3102C
Physics	
IP 3111 Electricity I ***and*** IP 3112 Electricity II	Physics 3104B
IP 3213 Waves	Physics 2104C
IP 3215 Mechanics I ***and*** IP 3216 Mechanics II	Physics 1104 ***and*** Physics 2104A ***and*** Physics 2104B
General College Profile Science	
IS 3211 Oceanography	Science 3104 (Introduction to Oceanography)
IS 3213 Physical Science	Science 3101 (Matter and Chemical Change) **and** Science 3102 (Simple Machines and Energy)
IS 3215 Life Science	Science 3105 (From Life to Lifestyle)

*__Note__ *These credit equivalencies can transfer in one direction only: from Former ABE to New ABE.*
*To distinguish former high school courses from current high school courses on official Department of Education high school transcripts, examine the **first two digits** of the subject course code: 14 represents former high school courses and 64 represents current high school courses.*

Course Comparison Matrixes

ABE Secondary Level Mathematics Course Comparison Matrix

New Adult Basic Education/Current High School*	
New ABE Course(s)	Current High School Course(s)
Math 1104A, 1104B, 1104C	Math 1204
Math 2104A, 2104B, 2104C	Math 2204
Math 3104A, 3104B, 3104C	Math 3204

*__Note__ *These credit equivalencies can transfer in either direction: from New ABE to Current High School or from Current High School to New ABE.*

From **Former High School** *to* **New Adult Basic Education***	
Former High School Course(s)	New ABE Course(s)
Math 1300 **and** Math 2200	Math 1104A, Math 1104B

*__Note__ *These credit equivalencies can transfer in one direction only: from Former High School to New ABE.*

From **Former Adult Basic Education** *to* **New Adult Basic Education***	
Former ABE Course(s)	New ABE Course(s)
IM 3109 **Algebra I**, IM 3210 **Algebra II**, IM 3211 **Algebra III**	Math 1104A, Math 1104B **and** Math 3104A **
IM 3212 Algebra IV	Math 3104B**
IM 3203 (Consumer Math)	Math 3109A

*__Note__ *These credit equivalencies can transfer in one direction only: from former ABE to New ABE.*

*** These equivalencies from former ABE math to the new ABE courses span several levels because of the vast difference in content between the two programs. Math 1104A, for example, covers portions of Algebra I, II and III.*

Appendix A
Adult Basic Education Course List

Adult Basic Education Course List	
English Courses - Degree and Technical and Business-Related Profiles	
English 1101A	Short Story, Poetry, Written Communications and Writing Conventions
English 1101B	Novel, Drama, Written Communications and Writing Conventions
English 1101C	Non-Fiction and Media, Research and Study Skills, Oral Communications
English 2101A	Short Story, Poetry, Written Communications and Writing Conventions
English 2101B	Short Non-Fiction, Non-Fiction Book, Written Communications and Writing Conventions
English 2101C	Drama, Reports, Written Communications and Writing Conventions
English 3101A	Short Story, Novel, Written Communications and Writing Conventions
English 3101B	Poetry, Drama, Written Communications and Writing Conventions
English 3101C	Non-Fiction and Media, Research Writing, Written Communications and Writing Conventions
English Courses - General College Profile	
English 1102A	Short Story, Poetry, Written Communications and Writing Conventions
English 1102B	Novel, Drama, Written Communications and Writing Conventions
English 1102C	Non-Fiction and Media, Study Skills, Written Communications and Writing Conventions
English 2102A	Short Story, Poetry, Written Communications and Writing Conventions
English 2102B	Short Non-Fiction, Non-Fiction Book, Written Communications and Writing Conventions
English 2102C	Drama, Oral Communications, Written Communications and Writing Conventions
English 3102A	Short Story, Novel, Written Communications and Writing Conventions
English 3102B	Poetry, Drama, Written Communications and Writing Conventions
English 3102C	Non-Fiction and Media, Research Project, Written Communications and Writing Conventions

Adult Basic Education Course List	
Science Courses - Degree and Technical and Business-Related Profiles	
Biology 1101	Sustainability of Ecosystems
Biology 2101A	The Cell
Biology 2101B	Biodiversity
Biology 2101C	Maintaining Dynamic Equilibrium I
Biology 3101A	Maintaining Dynamic Equilibrium II
Biology 3101B	Reproduction and Development
Biology 3101C	Genetics and Evolution
Chemistry 1102	Chemical Reactions
Chemistry 2102A	Stoichiometry
Chemistry 2102B	From Structures to Properties
Chemistry 2102C	Solutions and Organic Chemistry
Chemistry 3102A	Thermodynamics and Rates
Chemistry 3102B	Equilibrium/Acids and Bases
Chemistry 3102C	Acid/Base Reactions and Electrochemistry
Physics 1104	Motion
Physics 2104A	Kinematics and Dynamics
Physics 2104B	Forces, Momentum, Work and Energy
Physics 2104C	Waves, Light and Sound
Physics 3104A	Force, Motion and Energy
Physics 3104B	Electric and Magnetic Fields and Energy
Physics 3104C	Magnetic Fields, Matter and Energy
Earth Systems 1109	Weather Dynamics

Adult Basic Education Course List	
Science Courses - General College Profile	
Science 2100A	Ecosystems
Science 2100B	Weather
Science 2100C	A Global View of Ecosystem Sustainability and Weather
Science 3101	Matter and Chemical Change
Science 3102	Simple Machines and Energy
Science 3103	Electricity
Science 3104	Introduction to Oceanography
Science 3105	From Life to Lifestyle
Science 3106	Disease Defense and Human Health

Adult Basic Education Course List	
Math Courses - Degree and Technical and Business-Related Profiles	
Mathematics 1104A	Coordinate Geometry, Factoring, Solving Quadratic Equations and Equations Involving Rational Expressions
Mathematics 1104B	Real Numbers, Right Triangle Trigonometry, Functions
Mathematics 1104C	Systems of Equations and Inequalities, Matrices
Mathematics 2104A	Solving Linear Systems, Statistics
Mathematics 2104B	Rational Expressions, Trigonometric Applications, Functions
Mathematics 2104C	Trigonometry
Mathematics 3104A	Quadratic Functions, Graphs and Equations
Mathematics 3104B	Exponents and Logarithms
Mathematics 3104C	Probability, Circles and Ellipses
Math Courses - General College Profile	
Mathematics 2105A	Wages, Salaries and Expenses, Personal Banking
Mathematics 2105B	Consumer Decisions, Sampling
Mathematics 2105C	Geometry, Trigonometry
Mathematics 3107A	Measurement Technology, Design and Measurement
Mathematics 3107B	Relations and Formulas
Mathematics 3107C	Variation and Formulas
Mathematics 3109A	Income and Debt, Owning and Operating a Vehicle
Mathematics 3109B	Data Analysis, Measurement Technology
Mathematics 3109C	Personal Finance, Statistics

Appendix B

ABE Resource Materials and Supply Contacts

English Resource Materials

Degree and Technical and Business-Related Profiles			
Course	**Student Resources**	**Instructor Resources**	**Publisher(s)**
English 1101A English 1101B English 1101C	*Sightlines 10* ISBN 0-13-082171-3	*Sightlines 10 Teacher Guide*, Atlantic Edition ISBN 0-13-012924-0 *Sightlines 10 Audio Pack* ISBN 0-13-026304-4	Pearson Education Canada, Toronto
	Land, Sea and Time Book One ISBN 1-55081-160-6 [Academic and General]	*Land, Sea and Time Book One, Teacher's Guide* ISBN 1-55081-170-3	Breakwater Books, St. John's
		1 of each per class recommended.	[**All available from Learning Resources Distribution Centre.***]
English 2101A English 2101B English 2101C	*Echoes 11* ISBN 0-19-541630-9	*Echoes 11, Teacher's Resource*, Atlantic Provinces Edition ISBN 0-19-541673-2 *Echoes 11 CD* ISBN 0-19-542006-3	Oxford University Press, Toronto
	Land, Sea and Time Book Two ISBN 1-55081-175-4 [Academic and General]	*Land, Sea and Time Book Two, Teacher's Guide* ISBN 1-55081-176-2	Breakwater Books, St. John's
		1 of each per class recommended.	[**All available from Learning Resources Distribution Centre.***]
English 3101A English 3101B English 3101C	*Echoes 12* ISBN 0-19-541631-7	*Echoes 12, Teacher's Resource*, Atlantic Provinces Edition ISBN 0-19-541778-X *Echoes 12 CD* ISBN 0-19-542007-1	Oxford University Press, Toronto
	Land, Sea and Time Book Three ISBN 1-55081-177-0 [Academic and General]	*Land, Sea and Time Book Three, Teacher's Guide* ISBN 1-55081-178-9	Breakwater Books, St. John's
		1 of each per class recommended.	[**All available from Learning Resources Distribution Centre.***]

English Resource Materials

General College Profile			
Course	**Student Resources**	**Instructor Resources**	**Publisher**
English 1102A English 1102B English 1102C	*Crossroads 10* ISBN 0-7715-1332-1	*Crossroads 10, Teacher's Guide* ISBN 0-7715-1335-6	Gage Learning Corporation, Toronto
	Collected Searchlights and Other Plays ISBN 0-7725-2921-3 [**Grades 10, 11, 12**]		Irwin Publishing, Toronto
		1 of each per class recommended.	[**All available from Learning Resources Distribution Centre**.*]
English 2102A English 2102B English 2102C	*Between the Lines 11* ISBN 0-17-619705-2	*Between the Lines 11, Atlantic Provinces Teacher's Guide* ISBN 0-17-619349-9	Nelson (Thomson Learning), Toronto
		Between the Lines 11 Audio CD ISBN 0-17-625989-9	
			[**All available from Learning Resources Distribution Centre.***]
English 3102A English 3102B English 3102C	*Passages 12* ISBN 0-7715-0958-8	*Passages 12, Teacher's Guide* ISBN 0-7715-0962-6	Gage Learning Corporation, Toronto
		Passages 12 CD Set ISBN 0-7715-0963-4	
		1 of each per class recommended.	[**All available from Learning Resources Distribution Centre.***]

Note: Choice and purchase of novels and non-fiction books is the responsibility of the delivering institution.

English Reference Books - All Profiles		
Student Resource	**Instructor's Resource**	**Publisher**
Resource Lines 9/10 ISBN 0-13-012922-4		Prentice Hall, Toronto
Communicate! ISBN 0-17-619717-6	Communicate!, Atlantic Provinces Teacher's Guide ISBN 0-17-619491-6	Nelson (Thompson), Toronto
Reference Points ISBN 0-13-019871-4		Prentice Hall, Toronto
Reading and Writing for Success ISBN 0-7747-0197-8		Harcourt Canada, Toronto
Canadian Students' Guide to Language, Literature, and Media ISBN 0-19-541675-9	*Canadian Students' Guide to Language, Literature, and Media, Evaluation and Practice Support Package* ISBN 0-19-541676-7	
	1 of each per class recommended.	[**All the above available from Learning Resources Distribution Centre.***] **Oxford University Press , Toronto** **www.oup.com/ca** **Representative: Philip Niven,** **philip.niven@oup.com** **Telephone: 1-800-292-7049**

***Learning Resources Distribution Centre**, P.O. Box 8700, Building 909, Pleasantville, St. John's, NL, A1B 4J6
Orders and Inquiries: Telephone 729-4259 Fax: 729-5795

Math Resource Materials

Degree and Technical and Business-Related Profile			
Course	**Student Resources**	**Instructor Resources**	**Publisher(s)**
Math 1104A Math 1104B Math 1104C	*Addison-Wesley Mathematics 10*, Western Canadian Edition ISBN 0-201-34619-2	*Mathematics 10 Teacher's Resource* ISBN: 0-201-34621-4	**Pearson Education Canada, Toronto** **http://www.pearsoned.ca/school** **Newfoundland Representative:** **Shannon Phillips,** **Shannon.Phillips@pearsoned.com**
Math 2104A Math 2104B Math 2104C	*Addison-Wesley Mathematics 11*, Western Canadian Edition ISBN 0-201-34624-9	*Mathematics 11 Teacher's Resource* ISBN: 0-201-34626-5	
Math 3104A Math 3104B Math 3104C	*Addison-Wesley Mathematics 12*, Western Canadian Edition ISBN:0-201-34629-X	Mathematics 12 Teacher's Resource ISBN 0-201-34631-1	
✳		**1 of each recommended per class**	
General College Profile			
Math 2105A Math 2105B Math 2105C	***Essen*tials of Mathematics *10*** ISBN: 0-7726-4675-9	***Essen*tials of Mathematics *10* Teacher Resource Book** ISBN: 0-7726-4808-5	**Pacific Educational Press** Faculty of Education University of British Columbia 6365 Biological Sciences Road Vancouver, B.C. Canada V6T 1Z4 **Telephone: 604-822-5385** **Fax: 604-822-6603**
Math 3107A Math 3107B Math 3107C	***Essen*tials of Mathematics *11*** ISBN: 0-7726-4823-9	***Essen*tials of Mathematics *11* Teacher Resource Book** ISBN: 0-7726-4878-6	
Math 3109A Math 3109B Math 3109C	***Essen*tials of Mathematics *12*** ISBN: 0-7726-4997-9	***Essen*tials of Mathematics *12* Teacher Resource Book** ISBN: 0-7726-5049-7	
✳		**1 of each recommended per class.**	

✳ **Note** *Any of these courses may require some use of textbooks from all three levels.*

Science Resource Materials

Degree and Technical and Business-Related Profiles			
Course	**Student Resources**	**Instructor Resources**	**Publisher(s)**
Biology 1101 Chemistry 1102 Physics 1104 Earth Systems 1109	*Nelson Science 10* ISBN 0-17-607501-1	*Nelson Science 10 Teacher's Resource* ISBN 0-17-607502-X	Nelson (Thomson Learning), Toronto
		1 each per class recommended.	[**Available from Learning Resources Distribution Centre**.]
Biology 2101A Biology 2101B Biology 2101C	*Biology* (Newfoundland and Labrador Edition) ISBN 0-07-091676-4	*Biology Teacher's Resource* (Includes *Teacher's Resource CD-ROM)* ISBN 0-07-091677-2	McGraw-Hill Ryerson, Whitby, ON
Biology 3101A Biology 3101B Biology 3101C			
		1 each per class recommended.	[**Both available from Learning Resources Distribution Centre.**]
Chemistry 2102 A Chemistry 2102 B Chemistry 2102 C	*Chemistry* (Newfoundland and Labrador Edition) ISBN 0-07-093853-9	*Chemistry Teacher's Resource* (Includes *Teacher's Resource CD-ROM*) ISBN 0-07-093857-1	McGraw-Hill Ryerson, Whitby, ON
Chemistry 3102 A Chemistry 3102 B Chemistry 3102 C			
		1 per class recommended.	[**Both available from Learning Resources Distribution Centre.**]
Physics 2104 A Physics 2104 B Physics 2104 C	*Physics: Concepts and Connections - Combined Edition* (Newfoundland and Labrador Edition) ISBN 0-7725-2955-8	*Physics: Concepts and Connections - Combined Edition* *Teacher's Resource* (Includes *Teacher's Resource Guide and Solutions Manual CD-ROM*) ISBN: 0-7725-2956-6	Irwin Publishing, Toronto
Physics 3104A Physics 3104B Physics 3104C			
		1 each per class recommended.	[**Both available from Learning Resources Distribution Centre.**]

***Learning Resources Distribution Centre**, P.O. Box 8700, Building 909, Pleasantville, St. John's, NL, A1B 4J6
Orders and Inquiries: Telephone 729-4259 Fax: 729-5795

Science Resource Materials

General College Profile			
Course	**Student Resources**	**Instructor Resources**	**Publisher(s)**
Science 2100A Science 2100B Science 2100C	*Nelson Science 10: Concepts and Connections* ISBN: 01706120955	*Nelson Science 10: Concepts and Connections - Teacher's Resource* ISBN: 017612134X	Nelson Thomson Learning; 2002, Toronto http://school.nelson.com/ **Newfoundland Representative: Cindy Sullivan, cindy.sullivan@thomson.com**
		Nelson Science 10: Concepts and Connections - Student Record of Learning, ISBN: 0176265317	
		Science 10 Teacher's Resource, Applied Supplement, ISBN: 017612103X	
Science 3101 Science 3105 Science 3106	*science.connect1* (Includes Student Multimedia CD-ROM) ISBN: 0070890927	*science.connect1 Teacher's Resource*, CD-ROM ISBN: 0070890935	McGraw-Hill Ryerson, Whitby, ON
	science.connect2 (Includes Student Multimedia CD-ROM), ISBN: 0070890943	*science.connect2 Teacher's Resource*, CD-ROM ISBN: 0070890951	
Science 3102 Science 3103	*Nelson Physics 12: College Preparation* ISBN: 0176265309	*Nelson Physics 12: College Preparation Teacher's Resource* ISBN: 0176265325	Nelson Thomson Learning; 2002, Toronto http://school.nelson.com/ **Newfoundland Representative: Cindy Sullivan, cindy.sullivan@thomson.com**
		Nelson Physics 12: College Preparation Solutions Manual, ISBN: 017626972X	
		Nelson Physics 12: College Preparation Workbook, ISBN: 0176265317	
		Nelson Physics 12: College Preparation Computerized Assessment Bank ISBN: 017626535X	
Science 3104	*Prentice Hall Earth Science* ISBN: 0131258524	*Prentice Hall Earth Science Teacher's Edition*, ISBN: 0131258974	Pearson Prentice Hall **Pearson Education Canada, Toronto** **http://www.pearsoned.ca/school** **Newfoundland Representative: Shannon Phillips, Shannon.Phillips@pearsoned.com**
	Earth Science; Guided Reading and Study Workbook, Student Edition ISBN:0131259016	*Prentice Hall Earth Science Computer Test Bank* ISBN: **Unknown**	
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