

# Course Descriptions

## Dalbrae Academy

The information below is intended to give students and parents a better idea of course content as they make course selection decisions for the upcoming school year.



Included in each description is a “Credit Type” designation. These designations indicate the following:

**Advanced:** Courses designed to meet the needs of students who have demonstrated an exceptional degree of academic ability or achievement.

**Academic:** Courses designed for students who expect to enter college, university, or other postsecondary institutions.

**Graduation:** Courses are designed for students who wish to earn a graduation diploma with a view to proceeding to employment or some selected area of post-secondary study.

**Open:** Although none of the open courses is designed to meet the specific entrance requirements of any post-secondary institution, individual courses may meet entrance requirements of some institutions.

## Nova Scotia Graduation Requirements

- 18 credits are required to graduate
- 13 of these are compulsory
  - 3 English Language Arts (one at each grade level)
  - 3 Mathematics (From two different grade levels: Math Ess 10, Math at Work 10, Math 10, Math Ess. 11, Math at Work 11, Math 11, Pre Cal 11, Math Ess. 12, Math at Work 12, Math 12, Pre Cal 12, Calculus 12)
  - 2 Sciences (One must be Science 10, Physics11/12, Chemistry 11/12, or Biology 11/12- a second may be an approved science ex. Agri Foods 11, Oceans 11 etc.).
  - 1 Canadian History course (Canadian History 11, Mi'kmaq Studies 11, Gaelic Studies 11)
  - 1 Global Studies (Global Geography 12, Global History 12)
  - 1 Physical Education (Phys Ed 10, PAL 11, Phys Ed Leadership 12, Dance 11, Yoga 11)
  - 1 Fine Arts (Art 10/11/12, Drama10/11/12, Music 10/11/12, Dance 11, Film and Video 12)
  - 1 other credits from Technology, Mathematics or Science (Please note: Aside from the math and science courses listed above students have the option using one of the following technology credits: Skilled Trades 10, Construction Trades 11, Design 11, Electro 11, Transportation Trades 11, Film and Video 12, Multimedia 12, Pro. Tech11/ 12, Com. Tech 11/12)
- No more than 7 of the 18 credits may be from courses coded as Grade 10 and at least 5 must be from courses coded as Grade 12.
- Only one credit will be given for a course in the same subject at the same grade level, although both will show on the student transcript. For example, if a student completes English Communications 12 and English 12, it will only count as one credit toward the 18 credits required for graduation. Exceptions to this include Pre-Calculus11/ 12 and Calculus 12.
- Please note that the full year academic grade 10 Math will result in two credits. The first will be as an academic Math credit, the second will count as a Tech credit.

## Post-Secondary Admission Requirements

Listed below are the grade 12 courses required for several post-secondary programs. It is important to check the specifics for each institution as they vary, especially outside of Nova Scotia.

### University Entrance Requirements

- **Bachelor of Arts**  
English + 4 other academic courses
- **Bachelor of Science**  
English, Pre-Calculus Math, 2 Sciences + 1 other academic course
- **Bachelor of Commerce**  
English, Mathematics (in some cases Pre-Calculus) + 3 other academic courses
- **Bachelor of Engineering**  
English, Pre-Calculus Math, Chemistry, Physics + 1 other academic course.  
Calculus is required for Science and Engineering in many universities outside of Atlantic Canada.
- **Bachelor of Computer Science**  
English, Pre-Calculus Math + 3 other academic courses.
- **Bachelor of Nursing**  
English, Math (academic) Chemistry, Biology + 1 other academic course.

### Community College Entrance Requirements

- Grade 12 or equivalent (some programs have specific subject requirements, particularly in mathematics and science)

## **ENGLISH LANGUAGE ARTS**

**Students are required to take one (1) English course in each of their three years of high school. All students will take English 10. Students can choose between Advanced English, Academic English and English Communications in grades 11 and 12.**

### **ENGLISH 10**

**Credit Type: Academic**

English 10 provides a balanced and integrated program of language and literature, offering a variety of formal and informal speech activities, including paired and group discussions. The writing component of the course provides a wide variety of writing experiences in various modes for various audiences. Ideas for expressive writing are generated in part by examination of the mass media, which also enriches the study of literature. Reading and literary study are integrated with speaking, listening, thinking and writing activities. Students are introduced to the literary terminology and techniques which will help them to appreciate, evaluate and make critical judgments.

Plays, novels, short stories, poetry and modern drama are the vehicles through which the goals of linguistic competence and literary appreciation will be achieved.

Approaches are varied, including journal writing, sustained silent reading, group discussion and panel presentations, as well as individual assignments, presentations and projects. This course will satisfy one of the English provincial graduation requirements.

### **ENGLISH COMMUNICATIONS 11**

**Credit Type: Graduation**

Please Note: It is recommended that students who received a final mark of 65% or lower in English 10 should be enrolling in English Communications 11. English Communications courses

are intended to prepare students for lifelong learning by engaging them in practical and interesting learning experiences closely related to their lives and to the world they experience as adults. English/Communications courses are intended to provide experiences that enable students to develop socially and emotionally. Students will become aware of ways in which language can entertain, inform and influence others as well as, how to adapt their own language to suit their purposes. In striving to meet the literacy demands of our society, students will work on developing a sound basic knowledge of how to use English to the best of their ability. Students will extend their thinking through the exploration of a range of issues. Students in this course are encouraged to incorporate computers into their daily language tasks: exploring, drafting, editing and publishing their ideas. This course will satisfy one of the English provincial graduation requirements.

### **ENGLISH 11**

**Credit Type: Academic**

Please Note: To ensure that students have the necessary background skills to be successful in English 11, it is recommended that a level of competency (65% or better) was demonstrated in English 10. English 11 is an academic course which is intended as a university preparatory for students whose goals include postsecondary study. In this course, major literary texts are examined with an emphasis on critical and analytical response. Units of study comprise the main literary genres - i.e. the short story, novel, poetry, drama, and media texts. Students are expected to demonstrate competency in the more formal style of written and oral communication. It is important that students bring good work and study habits with them to the English 11 classroom and demonstrate that they are well on the way to becoming independent learners. This course will satisfy one of the English provincial graduation requirements.

## **ENGLISH COMMUNICATIONS 12**

### **Credit Type: Graduation**

English Communications 12 builds upon the principals established in English Communications 11. With the continued emphasis being on preparing students for lifelong learning, student will engage in practical, interesting and relevant experiences. These experiences will help shape their confidence as learners and empower them to develop competency as communicators. Students in this course are encouraged to incorporate computers into their daily language tasks: exploring, drafting, editing and publishing their ideas. Students should note that a Provincial Exam is written at the end of this course covering all of the semester's work. This course will satisfy one of the English provincial graduation requirements.

## **ENGLISH 12**

### **Credit Type: Academic**

English 12 builds on the processes and experience of English 10 and 11 and is intended for students whose goals include post-secondary education. While this course emphasizes challenging literary texts, students will be provided with opportunities to select their own material for independent study and small group inquiry. As students engage in the activities and assignments of this course, they will extend their knowledge base, thinking processes, learning strategies, self-awareness and insights. Writing is a major focus for English 12 and students will gain confidence in representing their ideas and demonstrating their learning in a variety of ways. This course will satisfy one of the English provincial graduation requirements.

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## **MATHEMATICS**

**Students require three (3) math credits to graduate; Which math courses to take depend on two things: (a) the student's ability in mathematics and (b) the math prerequisites for specific post-secondary programs.**

## **MATH ESSENTIALS 10**

### **Credit Type: Graduation**

This course will be presented as a 110-hour course. The course is designed for students who do not intend to attend university or who plan to enter programs which do not have any mathematics prerequisite. The program is intended for the student who has a history of difficulty in mathematics as the content will focus on skills in mathematics for everyday life and for the workplace. This course will satisfy one of the Mathematics provincial graduation requirements.

## **MATH AT WORK 10**

### **Credit Type: Graduation**

This course will be presented as a 110-hour course. Mathematics at Work 10 is an introductory high school mathematics course which demonstrates the application and importance of key math skills. The new Mathematics at Work courses are designed to provide students with the mathematical understandings and critical thinking skills identified for direct entry into the work force or for entry into programs of study that do not require academic Mathematics. Students in Mathematics at Work 10 will explore the following topics: measurement, area, Pythagorean Theorem, trigonometry, geometry, unit pricing and currency exchange, income, and basic algebra. . This course will have a provincial assessment. This course will satisfy one of the Mathematics provincial graduation requirements.

## **MATH 10**

### **Credit Type: Academic**

This course will be presented as a 220-hour course.

This academic math course deals with the fundamental concepts of algebra and geometry, and data management providing a solid foundation for further studies in mathematics. Many topics will be studied in depth to provide the student with a good background for the sciences. This course is an academic credit and is intended for students who will follow the academic or advanced/pre-calculus programs in grades 11 and 12. . This course will have a provincial assessment. Please note that the full year academic grade 10 Math will result in two credits. The first will be as an academic Math credit, the second will count as a Tech credit.

## **MATH ESSENTIALS 11**

### **Credit Type: Graduation**

This course will be presented as a 110-hour course.

**Prerequisite:** Successful completion of Mathematics Essentials 10 or Mathematics at Work 10.

Mathematics Essentials 11 is designed for students who either do not intend to pursue post-secondary study or plan to enter post-secondary programs that do not have any mathematics prerequisites. The Mathematics Essentials pathway is designed to provide students with the development of the skills and understandings required in the workplace, as well as those required for everyday life at home and in the community. Students will become better equipped to deal with mathematics in their everyday life and will become more confident in their mathematical abilities. The typical pathway for students who successfully complete Mathematics Essentials 11 is Mathematics for the Workplace 12. Students in Mathematics Essentials 11 will explore the following topics:

- mental mathematics; collecting, organizing and graphing data; borrowing money; renting or buying; household budgets;

investing money' measuring; and 2-D and 3-D design, mathematics in content areas such as science and social studies. This course will satisfy one of the Mathematics provincial graduation requirements.

## **MATH AT WORK 11**

### **Credit Type: Graduation**

This course will be presented as a 110-hour course.

**Prerequisite:** Successful completion of Mathematics at Work 10 or Mathematics 10.

Mathematics at Work 11 demonstrates the application and importance of key mathematical skills. The typical pathway for students who successfully complete Mathematics at Work 11 is Mathematics at Work 12. (The Mathematics at Work pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the work force or for entry into programs of study that do not require academic mathematics.) Some students who successfully complete Mathematics at Work 11 may choose to take Mathematics for the Workplace 12.

Students in Mathematics at Work 11 will explore the following topics:

- measurement systems volume, 2-D and 3-D geometry, scale, exploded diagrams, numerical reasoning, personal budgets, compound interest, financial institution services, and formula manipulation for various contexts. This course will satisfy one of the Mathematics provincial graduation requirements.

## **MATHEMATICS 11**

### **Credit Type: Academic**

This course will be presented as a 110-hour course.

**Prerequisite:** Successful completion of Mathematics 10.

Mathematics 11 is an academic high school mathematics course. Students who select Mathematics 11 should have a solid understanding of the Mathematics 10 curriculum.

Mathematics 11 is a prerequisite for Pre-calculus 11. These courses are to be taken consecutively, not concurrently.

There are two typical pathways for students who successfully complete Mathematics 11:

- For those students intending to follow the academic pathway, Mathematics 11 will be followed Mathematics 12. (Mathematics 11 and Mathematics 12 are designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require an academic or Pre-calculus mathematics credit).
- For those students intending to follow the advanced pathway, Mathematics 11 will be followed by Pre-calculus 11, and then Pre-calculus 12.

Alternatively, students who successfully complete Mathematics 11 may choose to select a graduation level course in grade 12.

Students in Mathematics 11 will explore the following topics:

- applications of rates, scale diagrams and factors, inductive and deductive reasoning, an introduction to proof, cosine law, sine law, spatial reasoning, statistics, systems of linear inequalities, and quadratic functions. This course will satisfy one of the Mathematics provincial graduation requirements.

## **PRE-CALCULUS 11**

**Credit Type: Advanced**

This course will be presented as a 110-hour course.

**Prerequisite:** Successful completion of Mathematics 11.

Pre-calculus 11 is an advanced high school mathematics course. Students who select Pre-calculus 11 should have a solid understanding of the Mathematics 11 curriculum.

Pre-calculus 11 is a prerequisite for Pre-calculus 12. These courses are to be taken consecutively, not concurrently.

The typical pathway for students who successfully complete Pre-calculus 11 is Pre-calculus 12. (Courses in the Pre-calculus pathway are designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus.)

Some students who successfully complete Pre-calculus 11 may choose to take Mathematics 12.

Alternatively, students who successfully complete Pre-calculus 11 may choose to select a graduation credit in grade 12.

Students in Pre-calculus 11 will explore the following topics:

- absolute value, radical expressions and equations, rational expressions and equations, angles in standard position, analyze and solve quadratic equations, linear and quadratic equations and inequalities in two variables, arithmetic and geometric sequences, and reciprocals of linear and quadratic functions. This course will satisfy one of the Mathematics provincial graduation requirements.

## **MATH ESSENTIALS 12**

**Credit Type: Graduation**

This course will be presented as a 110-hour course.

**Prerequisite:** Successful completion of Mathematics Essentials 11 or Mathematics at Work 11. The prerequisite for Mathematics Essentials 12 must be taken and successfully completed prior to starting Mathematics Essentials 12. Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.

The Mathematics Essentials pathway is designed to provide students with the development of the skills and understandings required in the workplace, as well as those required for everyday life at home and in the community. Students will become better

equipped to deal with mathematics in their everyday life and will become more confident in their mathematical abilities.

Mathematics Essentials 12 is designed for students who either do not intend to pursue post-secondary study, or plan to enter post-secondary programs that do not have any mathematics pre-requisites. The content of this course will help students work toward improving the mathematical knowledge base needed for work directly related to the trades. This course will be modular based and project oriented.

Students in Mathematics Essential 12 will do the following modules.

Module 1: Measurement

Module 2: Mini-project: Mathematics and Career Exploration

Module 3: Ratio, Rate, and Proportion

Module 4: Major Project: Math Preparation for the Workplace

## **MATH AT WORK 12**

**Credit Type:** Graduation

This course will be presented as a 110-hour course.

**Prerequisite:** Successful completion of Mathematics at Work 11 or Mathematics 11. The prerequisite for Mathematics at Work 12 must be taken and successfully completed prior to starting Mathematics at Work 12. Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.

The Mathematics at Work pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the work force or for entry into programs of study that do not require academic mathematics.

Mathematics at Work 12 is the third course in this pathway.

Students in Mathematics at Work 12 will study the following topics:

- Measurement and Probability
- Measures of Central Tendency
- Scatterplots
- Linear Relationships
- Owning and Operating a Vehicle

- Properties of Polygons
- Transformations
- Trigonometry

## **MATHEMATICS 12**

**Credit Type:** Academic

This course will be presented as a 110-hour course.

**Prerequisite:** Successful completion of Mathematics 11 or Pre-calculus 11. The prerequisite for Mathematics 12 must be taken and successfully completed prior to starting Mathematics 12.

Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.

The Mathematics pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Mathematics 12 is the third course in this pathway.

Students who select Mathematics 12 should have a solid understanding of the Mathematics 11 curriculum.

Students in Mathematics 12 will study the following topics:

- borrowing money
- investing money
- set theory
- logical reasoning
- counting methods
- Probability
- polynomial functions
- exponential and logarithmic functions
- sinusoidal functions

## **PRE-CALCULUS 12**

**Credit Type:** Advanced

This course will be presented as a 110-hour course.

**Prerequisite:** Successful completion of Pre-calculus 11. Pre-calculus 11 must be taken and successfully completed prior to starting Pre-calculus 12. Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.

The Pre-calculus pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus. Students who select Pre-calculus 12 should have a solid understanding of the Pre-calculus 11 curriculum.

Students in Pre-calculus 12 will study the following topics:

- Transformations
- radical functions
- polynomial functions
- trigonometry
- exponential and logarithmic functions
- rational functions
- function operations
- permutations, combinations and the binomial theorem

## **CALCULUS 12**

**Credit Type: Advanced**

Introductory Calculus is designed as a study of basic differential and integral calculus for the student who dealt with the introduction of Pre-Calculus 12. Problems of all professions become easier with an understanding of the intricacies of using this powerful tool of change and growth. The course is an asset for those students furthering their studies in science, economics and mathematics. This course will satisfy one of the Mathematics provincial graduation requirements.

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## **SCIENCE**

**Students require two (2) science credits to graduate.**

**Again, many students take additional science courses to meet the pre-requisites for various postsecondary programs. It is expected that all students will complete Science 10 and at least one other science course.**

### **SCIENCE 10**

**Credit Type: Academic**

This program is designed to foster an appreciation of the power of scientific explanation as a way of understanding the world. There are four 4 main units of study: ecosystems, chemistry, physics, and weather patterns. This course also includes three primary points of emphasis; a science inquiry emphasis, a technological problem-solving emphasis, and a societal decision making emphasis. The material is approached as an intellectual pursuit and an activity based strategy. Upon successful completion, students will be able to make more informed decisions as to whether they might wish to pursue chemistry, physics, or biology in terms of additional coursework or as a career. This course will satisfy one of the science provincial graduation requirements.

### **AGRICULTURE/AGRIFOOD 11**

**Credit Type: Academic**

Agriculture/Agrifood 11 is a science program designed to allow students to explore aspects of global and local agriculture, including the science of soil, nutrition, and food preservation. It looks into the business and marketing of agricultural products. This course examines agriculture from a systems perspective, focusing on connections between the land, climate, organisms, and human practitioners of agriscience. The program involves introductory fundamentals, primary production systems, business/marketing, and food technology. Interactive learning experiences include labs, potential field trips, and guest speakers.

This course will satisfy one of the science provincial graduation requirements.

## **BIOLOGY 11**

### **Credit Type: Academic**

This course emphasizes themes of change, diversity, energy, equilibrium, matter, and systems. The following core topics are covered: (1) cell theory – cell structure and function; (2) diversity among living organisms – classification of living organisms; (3) homeostasis and a minimum of two human systems – digestive, respiratory, circulatory, and immune; and (4) ecosystems dynamics. This course will satisfy one of the science provincial graduation requirements.

## **CHEMISTRY 11**

### **Credit Type: Academic**

Chemistry 11 studies the composition, process, properties and structures of matter. Students develop an understanding through problem solving and analysis. The four units of study include: (1) matter and its changes - review of nomenclature, formula writing, balancing equations and reaction prediction; (2) stoichiometry - introduces the problem solving aspect of chemistry by investigating the mathematical relationships used to make predictions related to chemical reactions. Note: strong math skills are important in this unit; (3) structures and properties - investigates the nature of chemical bonds and their effect on chemical properties; and (4) organic chemistry - the classification of organic compounds, nomenclature, bonding, how they react as well their environmental effects. Math 10 Academic and Science 10 are recommended prerequisites for this course. This course will satisfy one of the science provincial graduation requirements.

## **PHYSICS 11**

### **Credit Type: Academic**

Physics is the study of the relationship between matter and energy. These relationships are often represented mathematically; therefore, Physics can assist in improving a student's Math skills. Physics 11 consists of four units of study: (1) Kinematics – the study of how objects move; (2) Dynamics – the study of the factors that cause changes in motion; (3) Momentum and Energy – the study of the energy and momentum changes which occur when two or more objects interact; and (4) Waves – where students are expected to use diagrams and geometry to explain and describe wave phenomena with extensions to algebraic models. This course will satisfy one of the science provincial graduation requirements.

## **BIOLOGY 12**

### **Credit Type: Academic**

Biology 12 consists of the following core topics: (1) human nervous system and endocrine system; (2) human reproduction and development; (3) Cell division, genetics, DNA, genes, and chromosomes; and (4) evolution and population genetics. This course will satisfy one of the science provincial graduation requirements.

## **CHEMISTRY 12**

### **Credit Type: Academic**

Chemistry 12 provides a more in-depth exploration of various topics intended for students pursuing post-secondary Chemistry. Chemistry 12 consists of four units of study: (1) solutions and equilibrium; (2) thermo chemical changes; (3) acids and bases in chemical changes; and (4) electrochemical changes. This course will satisfy one of the science provincial graduation requirements.

## **PHYSICS 12**

### **Credit Type: Academic**

Physics 12 consists of the following units of study: (1) Force, Motion, Work and Energy – this unit is an extension of Physics 11 topics; (2) Fields – the study of forces that exert influence through space without contact; (3) Waves and Motion Physics – the study of electro-magnetic phenomena and light; and Radioactivity – the study of natural and artificial sources of radiation. Students will be asked to work independently and collaboratively in planning and carrying out investigations (labs, computer simulations and/or research/building projects), solving problems, as well as generating and evaluating ideas. This course will satisfy one of the science provincial graduation requirements.

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## **TECHNOLOGY**

**In addition to the three (3) math and two (2) science credits required for graduation, students are also required to take one additional credits from any of the MATH or SCIENCE courses above or from the TECHNOLOGY courses listed below.**

## **PRODUCTION TECHNOLOGY 11**

### **Credit Type: Open**

Production Technology is an activity based course that has an emphasis in either custom or mass production in the wood lab. This course is intended to provide the students with a firm foundation in fundamental principles of furniture design with emphasis on design, planning machines, wood finishing, sound construction and forestry. Students will be required to perform certain tasks on machines as well as construct projects of their own choice. This course will satisfy one of the technology provincial graduation requirements.

## **MULTIMEDIA 12**

### **Credit Type: Academic**

Multimedia 12 provides learning opportunities through which students become skilled, critical creators and consumers of multimedia. Students will be expected to learn the basics of multimedia design starting with traditional methods as well as advanced methods which include the use of computer based programs. Students acquire an understanding of aesthetic/artistic implications of multimedia products, and apply the elements and principles of art and design to construct multimedia products. Using these ideas and concepts students must be able to communicate ideas effectively using many different types of media such as audio, visual and movement. Modules focus on image creation and manipulation, time-based images, sound, and

multimedia authoring. This course will satisfy one of the technology provincial graduation requirements.

## **PRODUCTION TECHNOLOGY 12**

### **Credit Type: Open**

The core of Production Technology 12 is entrepreneurship. Class time will be devoted to research and theory dealing with topics such as: evolution of production systems, material resources, manufacturing technology and marketing. Students will go through the steps of forming a company with the aim of manufacturing a product and making a profit. This course will satisfy one of the technology provincial graduation requirements.

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## **CANADIAN AND GLOBAL STUDIES**

**Students must complete one Canadian History Credit and One Global History Credit to fulfill their Graduation requirements.**

## **CANADIAN HISTORY 11**

### **Credit Type: Academic**

The Canadian History 11 course is a course that spans Canadian history from pre-Contact to modern times. The course is designed to give students an understanding of and appreciation for what makes us Canadian. To that end, this particular framework addresses both a chronological and thematic approach through the study of persistent/continuing questions in the history of Canada. Students will be exposed to the course through five themes: Globalization, Development, Governance, Sovereignty, Justice, and a sixth component, independent study. Students will be expected to interact with these themes with a strong emphasis being stressed on usage of the historical method for inquiry into Canada's past. This course fulfills the Canadian History requirement.

## **GAELIC STUDIES 11**

### **Credit Type: Academic**

This course affirms the language, history, tradition, and art of Nova Scotia and other Canadian Gaels, and explores the continuing influence of the Gaelic culture on life in local, national and global contexts. Learning experiences in this course will enable all students to develop knowledge and understanding of and respect for the unique nature of the Gaelic culture. Gaelic Studies 11 provides opportunities for students to experience the diversity of expression of many aspects of Gaelic culture and to recognize the values inherent in Gaelic community life. It presents unique opportunities to take learning beyond the classroom to include community and industry. The course focuses on history

and identity, oral tradition and literature, and the arts of the Gaels. This course fulfills the provincial Canadian History graduation requirement.

## **MI'KMAW STUDIES 11**

### **Credit Type: Academic**

The Mi'kmaw Studies course will provide all students with an understanding of historical and contemporary issues in Mi'kmaw society. The course will consider the cultural, social, spiritual, and political events, trends, and traditions in the history of the Mi'kmaq. The course will use an issue-based approach and will consider broad concepts such as justice, self-determination, political autonomy, education and schooling, the family, social and political organizations, native rights, spiritual principles, and personal/group identity. Students will analyze historical and contemporary issues in Mi'kmaw society, which will enable them to achieve a greater understanding of and respect for Mi'kmaw contributions to society. This course fulfills the provincial Canadian History graduation requirement. This course will satisfy the Canadian History provincial graduation requirement.

## **GLOBAL GEOGRAPHY 12**

### **Credit Type: Academic**

This course is an issue-based course to examine/explore the major themes associated with living in a global society. Emphasis on studying the world as one interdependent, interconnected system and learning about the impact human activities are having on Earth and all of its inhabitants. Students will examine: The Global Geographer, The Planet Earth, Population, Resources and Commodities, Urbanization, Culture and Politics. This course will satisfy the global studies provincial graduation requirement.

## **GLOBAL HISTORY 12**

### **Credit Type: Academic**

Global History 12 is a thematic study of the modern world since 1945. This study will focus upon the political, economic and social development of the post-World War II era. Students will examine these themes in four compulsory units: East-West, North-South, the Pursuit of Justice, and; Societal and Technological Change. Throughout their studies, students will address the focal question of the course: "Has humanity emerged into a world whose actions are governed more by interdependence at the global level than by dependence or independence at the national or international level?" Students will also be able to propose reasonable answers to the question upon which Nova Scotia's global studies courses are built: "How did the world arrive at its current state at the close of the 20th century? This course will satisfy the global studies provincial graduation requirement."

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## **FINE ARTS**

**Students are required to complete one (1) of the following Fine Arts courses in order to graduate.**

### **DRAMA 10**

#### **Credit Type: Academic**

Drama 10 is an introductory course in drama focusing on the personal, intellectual, and social growth of the student. Through extensive work in improvisation students gain confidence as they explore and communicate ideas, experiences, and feelings in a range of dramatic forms, such as dramatic movement and mime, dramatization, choral speech and group drama. Opportunities for students to share and present their work are provided throughout the course. Drama 10 provides a foundation for future course work in drama and theatre. This course will satisfy the fine arts provincial graduation requirement.

### **MUSIC 10**

#### **Credit Type: Academic**

The Music 10 course is designed to develop performance and interpretation skills, and explore the function and role of music in society. Students continue to develop technique through the preparation of scales and studies, and explore their artistry through the, preparation of solos. Students also study music theory, music history and utilize music technology to create basic compositions. Students, through participation in music also are encouraged to develop concepts of teamwork, self-discipline and goal setting. This course will satisfy the fine arts provincial graduation requirement.

## **VISUAL ARTS 10**

#### **Credit Type: Academic**

Visual Arts 10 is designed to familiarize students with the central components of fine art through material and tool manipulation, skill development, informal Art History and visualization exercises. Drawing and use of colour, through realistic forms, are two major components of student work. This course fulfills the provincial fine arts graduation requirement.

### **DRAMA 11**

#### **Credit Type: Academic**

Drama 11 builds on the learning experiences provided through the Drama 10 course and begins with foundation experiences to develop student confidence and capability, the course allows students to explore movement and speech and to combine these in a greater range of dramatic forms. Drama 11 emphasizes the process of bringing script to production. Students do one dinner theater in their semester. The course will also explore the elements of theatre production and the skills required for presentation or performance. This course will satisfy the fine arts provincial graduation requirement.

### **MUSIC 11**

#### **Credit Type: Academic**

The Music 11 course is designed to continue to develop and expand upon performance and interpretation skills, and further explore the function and role of music in society. They continue to develop technique through the preparation of scales and studies, and explore their artistry through the preparation of solos. Students also study music theory up to and including basic triads, rhythmic and melodic dictation, music history and utilize music technology to create basic compositions. Students, through

participation in music also are encouraged to develop concepts of teamwork, self-discipline and goal setting. This course will satisfy the fine arts provincial graduation requirement.

## **VISUAL ARTS 11**

### **Credit Type: Academic**

Visual Arts 11 concentrates on refining skills and further developing understanding of the central components of drawing, painting, printmaking, sculpture, and design. Specific focus will be through selected media such as watercolour, acrylic, printmaking and sculpture. This course fulfills the provincial fine arts graduation requirement.

## **DRAMA 12**

### **Credit Type: Academic**

In Drama 12, students will be required to participate in production work. This may involve acting, directing, writing and/or technical work. Sections of Drama 12 are often combined with Drama 11 classes. The Drama 12 students will have the opportunity to write, produce and direct performances of those in Drama 11 in a leadership capacity. This course will satisfy the fine arts provincial graduation requirement.

## **MUSIC 12**

### **Credit Type: Academic**

The Music 12 course is designed to continue to develop and expand upon performance and interpretation skills, and further explore the function and role of music in society. Students are also encouraged to take a leadership role within the ensembles in which they perform. They continue to develop technique through the preparation of scales and studies, and explore their artistry through the preparation of solos. Students also study music theory up to and including transposition and ensemble arrangements.

Students, through participation in music also are encouraged to develop concepts of teamwork, self-discipline and goal setting. This course will satisfy the fine arts provincial graduation requirement.

## **VISUAL ARTS 12**

### **Credit Type: Academic**

At the Visual Arts 12 level students specialize working in depth through selected areas of the central program. Continued emphasis is placed on the range of these central components. This course fulfills the provincial fine arts graduation requirement.

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## **PHYSICAL EDUCATION**

**Students are required to complete one (1) of the courses below.**

### **PHYSICAL EDUCATION 10**

#### **Credit Type: Open**

This course will provide students with a variety of fitness and sport experiences to enhance their understanding of personal fitness and growth.

Physical Education 10 includes some theory components, coupled with predominantly active experiences whereby students will have the opportunity to participate in a variety of indoor and outdoor fitness, sport, and recreational experiences.

The emphasis of this curriculum is to provide students with experiences that require them to take and reflect on their personal responsibility for active, healthy living now and throughout life.

The course is divided into four modules: Outdoor Pursuits, Exercise Science, Personal Fitness, and Leadership. This course fulfills the provincial physical education credit requirement.

### **PHYSICALLY ACTIVE LIVING 11**

#### **Credit Type: Open**

This full credit course is designed to engage students in a wide range of physically active experiences, with an overall theme of exploring options and opportunities for being active for life, both in school and in their community. Physically Active Living 11 encompasses both an activity component and a theory component, with an emphasis on engagement in physical activity.

The activity component of the course is designed to provide opportunities for students in active experiences that engage youth in traditional and non-traditional forms of physical activity.

The theory component of the course will enhance student understanding of healthy eating, injury prevention, mental and

emotional health, and addition prevention highlighting the connection between healthy living and being physically active. This course fulfills the provincial physical education credit requirement.

### **YOGA 11**

#### **Credit Type: Academic**

Yoga 11 will introduce students to the tradition of Yoga with its various forms and styles and provide students with the opportunity to develop a personal practice of yoga to maintain vibrant health, enhance healthful relationships with self and others and understand that yoga can be enjoyed as a regular form of physical and leisure activity throughout the lifespan. Throughout the course, students will be participating in various learning experiences which will include physical practice, personal reflection, group discussion and classroom theory.

The physical aspect of yoga will include the acquisition and development of skills including strength, flexibility, cardiovascular endurance, balance, regulation of energy through breathing and mental focus. All of these skills are of great benefit to overall health and to other physical pursuits. Classroom sessions will address topics such as: meditation, the essentials of good nutrition, ethical yogic principles like kindness and generosity and discussion on becoming positive contributing members of society. . This course will satisfy the physical education provincial graduation requirement.

### **PHYS ED LEADERSHIP 12**

#### **Credit Type: Academic**

This course is a theoretical approach to physical education from the perspective of a community or school leader. Theory topics will include leadership qualities, communication skills, decision making, scheduling for intramurals, event management, care and

prevention of athletic injuries, basic human anatomy and physiology.

Physical activities will include lifetime sports, outdoor pursuits and fitness activities. Students will also be expected to fulfill a service component in the school or community in the area of athletics, intramurals or life skills. This course fulfills the provincial physical education credit requirement.

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## **ELECTIVES**

**There are only thirteen (13) required courses for graduation. Students can choose from the elective courses below or any of the other courses above to fill out their schedules. Students should select courses that reflect their interest, ability, and/or those which will be required for admission to postsecondary programs.**

### **CORE FRENCH 10**

**Credit Type: Academic**

This course will continue to develop the regular program of French skills begun at the junior level. Emphasis on listening, speaking, reading and writing skills will continue so as to give students a complete background knowledge of standard French as it is used in Canada and abroad. Selections will be taken from Communi-quete and other suitable supplementary programs.

### **GAELIC 10**

**Credit Type: Academic**

Gaelic language and culture have been a part of Nova Scotia's diversity since at least the late 1700s. Gaelic 10 introduces a heritage language that holds a special place in the Nova Scotia context. Initially, students are taught common conversational phrases. The use of songs, games and stories supplements explicit language instruction. Students will have the opportunity to become familiar with historical events of particular significance to Canadians with a Scottish background. Senior high students who have not had previous instruction in Gaelic will follow the Gaelic language program at a pace which allows the skills of reading and writing in Gaelic to support the aural/oral skills. Gaelic language instruction encourages interest in and curiosity about the Gaelic

heritage. Language, social studies, and cultural projects can be integrated as part of the Gaelic program.

## **MI'KMAQ LANGUAGE 10/11/12**

### **Credit Type: Academic**

A full credit academic course in Mi'kmaq as a second language. Main components of the program include: Oral skills (basic conversational Mi'Kmaq, literacy skills (reading and writing in Mi'Kmaq), and using thematic units which incorporate Mi'kmaq cultural values, beliefs, and traditions. This course does not fulfill the Can. History requirement.

## **CORE FRENCH 11**

### **Credit Type: Academic**

Continued systematic development of the regular program will be the aim of this course. Controlled oral and aural language experiences will expand the student's background and help to provide a richer understanding of French social and cultural life.

## **GAELIC 11**

### **Credit Type: Academic**

Gaelic 11 is a continuation of the work covered in Gaelic 10 and is designed to develop the learner's ability to communicate more effectively in Gaelic, using more advanced language skills. The curriculum integrates general language skills, linguistic elements, technology, culture, a history of the Gaels, drama, music and the arts.

## **LAW 12**

### **Credit Type: Academic**

This course has been developed for students who have a keen interest in Canadian law and wish to understand how it

functions within our society. While engaging in this course, students will discover that the law is not necessarily black and white. Students will examine these areas of study: 1) An Introduction to Law 2) Rights, Freedom and Responsibilities 3) Criminal Law 4) Civil Law 5) Family Law 6) Contract and Business Law

## **CORE FRENCH 12**

### **Credit Type: Academic**

This is a continuation of French-Core 11. Topics may include: travel in the francophone world, visual arts and music, crime and the law, scientific and technological change and public awareness through the media. All four communicative skills will be developed with greater emphasis on reading and writing. Grammar is an important part of the language learning process and will be integrated in the lessons. Beside the textbook, students will use resources such as magazine articles, songs, games, tapes, modules and films.

## **GAELIC 12**

### **Credit Type: Academic**

Gaelic 12 is the culmination of a three-year study of the Gaelic language designed to make the learner able to communicate effectively and with moderate fluency. The curriculum integrates general language skills, linguistic elements, technology, culture, history, drama, music, and the arts. This course is organized into three strands: communication, creative works, and culture.

## **SOCIOLOGY 12**

### **Credit Type: Academic**

Sociology 12 provides students with an examination of the society in which they live. Students will have the opportunity to view many of today's social issues as a sociologist would see them.

Topics will include Culture, Social Institutions, Deviance, Conformity and Control, Prejudice and Discrimination, and Social Issues.

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## **OPTIONS and OPPORTUNITIES**

The O2 program is a unique learning experience. It is designed to engage students who are not meeting their academic potential because they are not fully involved with their school experience.

This three year course of study is both a combination of high school credits and work experience. When the workplace experience is connected to the classroom skills, students make the connection between schooling and career opportunities and they are more likely to achieve success as well as to set goals.

Upon completion of the three year O2 program, students would have found their career paths and be ready to take the next step to achieve it. The O2 program will explore career opportunities in the following areas:

- Trades and Technology
- Health and Human Services
- Hospitality and tourism
- Business
- Arts, Culture and recreation
- Information Technology

**\*An application process must be completed to participate in this program.**

## **CAREER DEVELOPMENT 10**

### **Credit Type: Open**

Career Development 10 is a course designed to expose students to workplace cultures, career options, financial planning, workplace standards and personal awareness and development. This also includes the development of a portfolio to aid students in attaining and understanding their strengths and employability skills. This course provides a holistic approach to career education.

Career Development 10 consists of the following modules:

- Personal Development
- Career Awareness
- Workplace Readiness
- Financial Management
- Lifework Portfolio

These modules are selected to help students plan and prepare for learning experiences.

## **COMMUNITY BASED LEARNING 11**

### **Credit Type: Open**

This course is offered for students who are not ready for community placement for age or other reasons. This course will expand opportunities for students to learn in the workplace and community. It provides credit for service learning, volunteering and other community based activities which focus on leadership, mentoring, employability, skill development and personal growth.

*This course counts towards an O2 Coop Credit.*

## **CO-OPERATIVE EDUCATION 11/12**

### **Credit type: Academic**

Co-op 11/ 12 are a community-based courses that combine a 25 hour in-school component and a 100 hour out-of-school community placement. Co-op 11/ 12 are designed to facilitate a student's career choices and help the student with their career and educational plans.

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## **SKILLED TRADES**

Skilled Trades is a program being offered in select schools in Nova Scotia. Skilled Trade courses are the starting point for Nova Scotia high school students who want to explore the skilled trades as a possible career option. These courses are based on curricula that immerse students in the realities of skilled trades work. They were designed by high school teachers and experienced trades educators from the Nova Scotia Community College in consultation with industry representatives.

Skilled Trades courses provide a mixture of theoretical and practical workplace activities. Students spend approximately 80% of their time completing actual trades tasks and projects using the basic tools of industry professionals.

Skilled Trades courses are designed to be taught by certified journeypersons. As the result of an agreement between the Nova Scotia Departments of Education and Labour and Advanced Education, students receive apprenticeship hours, upon registration, based on the actual time in class while under the supervision of a certified journeyperson teacher.

Whether students move into a skilled trades occupation or not, they will have acquired transferable skills that will serve them throughout their lives.

## **SKILLED TRADES 10**

### **Credit Type: Academic**

Skilled Trades 10 will engage students in an investigation into the skilled trades, the impact that they have on society, and the opportunities that exist for those who pursue a livelihood by working as skilled tradespersons. In addition, Skilled Trades 10

will offer students multiple opportunities to experience the rewards that come from hands-on learning. A person choosing to work in the skilled trades will have to be familiar with, and able to competently use, a range of tools. These skills include, but are not limited to, the selection of appropriate tools, manual dexterity and well developed hand-eye co-ordination. Skilled Trades 10 will introduce the student to these skills through practical exercises and project-based learning. In addition to the use of tools, students will work on other basic trades skills: including safety, measurement, blue print reading, construction materials, document use, materials handling.

Skilled Trades 10 comprises four topical areas: Skilled Trades Living, Safety, Measurement and Calculation for Trades, and Tools and Materials. The course will require a minimum of 110 hours of instruction, investigation, and physical work in the Skilled Trades Centre. Students will work individually and in groups. They will develop an appreciation for the skilled trades, professionalism and the rewards of such a life career choice. This course will satisfy one of the technology provincial graduation requirements.

## **CONSTRUCTION TRADES 11**

### **Credit Type: Academic**

Construction Trades 11 continues to focus on the skills and knowledge developed in the prerequisite Skilled Trades 10. It further defines these skills and knowledge in an authentic construction environment. Trades that are experienced by students include Carpenter, Construction Electrician, Floor Covering Installer, Lather, Painter, Decorator, and Plumber.

Construction Trades 11 is designed to provide opportunities for students to develop skills essential to the learning of the construction trades. Workplace. These include literacy strategies and skills necessary to comprehend information through reading

print and visual texts, and to write. Students will also present information orally and using print and visual texts with relevance to the construction trades. Construction Trades 11 is formed within the context of Anticipation, Engagement and Reflection. This course will satisfy one of the technology provincial graduation requirements.

## **TRANSPORTATION TRADES 11**

### **Credit Type: Academic**

Transportation Trades 11 continues to focus on the skills and knowledge developed in pre-requisite Skilled Trades 10 and will further define them in an automotive environment. Trades that will be examined include Automotive Painter, Automotive Service Technician, Heavy Duty Equipment Technician, Motorcycle Mechanic, Motor Vehicle Body Repairer, Partsperson, and Truck and Transport Mechanic.

Students will learn and develop the skills necessary to work in the automotive/transportation sector trades. Continuing inside a culture of safety, emphasis will be placed on professional trade practices and the essential employability skills. Students will anticipate, engage, and reflect as they learn. This course will satisfy one of the technology provincial graduation requirements.

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