

Halifax West High School Course Selection Booklet
Grade 9 Supplement for the 2021-22 academic year

English

English as an Additional Language Literacy

EAL Literacy 10

EAL Literacy 10 will provide EAL students at least 120 hours (a semester) of intensive instruction in English and literacy. This course will be an elective credit course for students entering high school who are new to Canada and who have gaps in their formal education or limited literacy skills in their first language. This course will introduce students to the English language and provide an introduction to their new cultural and academic environment. Students will develop the ability to use oral and written English for daily and academic purposes to be successful in school.

English Academic Language 10

English Academic Language 10 is an elective course and is designed for EAL students who are in varying stages of English proficiency and on their way to becoming bilingual/multilingual. The course will provide language learning strategies and pre-teaching opportunities that support student understanding of the language of their content area courses. A focus on cross-curricular academic language enables students to develop the English proficiency skills that are necessary for meeting the outcomes of mathematics, science, social studies and English language arts classes.

English as an Additional Language 10

EAL 10

EAL 10 (English as an Additional Language) is for students who are new to Canada with varying proficiency levels in English and new to the subject of English Language Arts. It is a grade 10 elective credit designed to prepare bilingual/multilingual learners for success in English Language Arts 10. As this course is intended to be a preparedness course for English 10, the content and organization of EAL 10 is similar ensuring that students will have the knowledge, experience, and language proficiency to achieve success in English 10. In summary, the EAL 10 course is developed for students new to the English language, Canadian culture and the academic subject of English Language Arts.

ENGLISH 10-academic

ENG10

English 10 emphasizes the close association between language and learning, language and thinking, and language and personal growth. While all forms of communication - oral, written and visual, whether expressive or receptive - are regarded as valuable, English 10 emphasizes proficiency in use of oral language for a variety of purposes. Learning experiences include

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formal and informal discussion and presentation, dramatic presentations and focused listening activities. Students will respond to the study of language, literature and media texts and consider their individual learning strategies as they progress towards becoming independent learners. The choice of texts is varied and may include Shakespeare's plays, contemporary or classical novels, fiction and non-fiction. Articles from current print media, as well as, films and documentaries may also be employed to enhance the students' awareness of their connections to the wider community around them.

Science

SCIENCE 10 – academic

In Science 10 students study topics in four disciplines of science - biology, chemistry, physics and meteorology - in four separate units of study. Within each unit the students practice and strengthen scientific skills through experiments, projects, assignments, and problem solving. They also develop an understanding of concepts within that science discipline. An exploration of the relationship between science, technology, society and the environment (STSE) provides a unifying theme across the four areas of science. Broad topic areas include: sustainability of ecosystems (Biology); chemical reactions (Chemistry); linear motion (Physics) and weather dynamics (Meteorology). **Science 10 (as opposed to Science 10 A & B) is recommended to students who are considering pursuing science and mathematics in post-secondary studies. Typically, students enrolled in Science 10 will go on to study Biology, Chemistry, and/or Physics in grades 11 and 12.**

SCIENCE 10 Modified

The course covers the same concepts and topics (see Science 10 description above) while focusing more on practical applications. See Science 10 (above) for unit descriptions. Science 10 Modified fulfills the first science requirement and is recommended for students who struggle with mathematics or science.

Typically, students who enroll in this course would go on to study Human Biology 11, and/or Oceans 11, while not pursuing further studies in Biology, Chemistry or Physics. **This course is designed for students who do not wish to pursue science or mathematics beyond high school.**

Fine Arts

DRAMA 10 – academic

DRA10

Drama 10 is an introductory course in drama, focusing on the personal growth of the student. Through extensive work in improvisation, both in small and large groups, students will gain confidence as they explore and communicate ideas, experiences and feelings in a range of dramatic forms. Drama 10 provides a foundation for future course work in drama and theatre.

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The program begins with in-class exercises to develop concentration and self-confidence, imagination, openness and sensitivity. It then moves to improvisation, with scripted plays and some play writing. Students begin where they are comfortable and work to advance their presentation skills. It is essential that they be willing to try all activities and perform for a class audience even though acting skills will vary.

This course is a fine arts credit.

VISUAL ARTS 10 -academic

Previous experience in art is not necessary.

This course is the foundation of the Senior High art program. It provides students with a basic understanding of art principles and techniques. The main components of the course will include instruction in drawing and design, painting, sculpture, printmaking, and mixed media. Culturally diverse art history will be an integral part of this course. Emphasis will be made on the exploration of mediums and techniques basic to art-making. Visual Arts 10 is rooted in creative exploration and problem-solving and strives to develop art-making skills through personal expression. “Art is not what you see, but what you make others see.” *Edgar Degas*

This course meets the graduation requirement for a Fine Arts credit.

MUSIC COURSES

Credit can only be given for one Music 10 course. Both courses are fine arts credits

Music 10B Instrumental (Band) - academic

Music 10B Band is designed for students who already play a concert band instrument. Students enrolled in this course typically start learning a band instrument in either grade six or seven and have continued to play in a concert band throughout their junior high years. Students will be expected to attend Concert Band rehearsals Wednesday mornings from 8-9 am as well as several performances throughout the year. These rehearsals and performances are considered co-curricular and thus are counted toward a student’s final mark. In addition to studying music repertoire, students will also be given instruction in theory, history and composition as part of their course work.

This course is offered all year long and is backed with Grade 10 English Language Arts.

Music 10 Explore Music - academic

Music 10 Explore Music is designed for students **who have not played a traditional band instrument in junior high.** Students will explore, compose, and perform different types of music from around the world. This is not music appreciation. Students will be expected to participate, practice and perform music. Topics will include, world drumming, keyboarding, popular music of the 20th (and 21st) century, jazz music, and the development of Rock ‘n Roll.

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Note: Music options in addition to the above courses.

In addition to the above offerings, students may audition for all-city ensembles. These are offered at the All-City Music Centre which is housed at the Quinpool Education Centre, Halifax. Students wishing to take part in any all-city ensembles must also belong to their school ensembles, if available.

The following ensembles are offered subject to the availability of teaching staff. Please call 421-6700 for further information.

- Soundtrax (SATB choir)
- Senior Improvisation Class
- Halifax Schools' Symphony Orchestra
- Youth Honour Choir
- Senior Jazz Band
- Intermediate Jazz Band

Math

Three mathematics courses will be available at the grade 10 level:

- Mathematics Essentials 10: (110 hours), 1 graduation credit
- Mathematics at Work 10: (110 hours), 1 graduation credit
- Mathematics 10: (220 hours), 2 academic credits

Mathematics Essentials 10

(graduation, 1 credit)

This course will be presented as a 110-hour course (1 semester).

Mathematics Essentials 10 is an introductory high school mathematics course designed for students who do not intend to pursue post-secondary study or who plan to enter programs that do not have any mathematics pre-requisites. The Essentials courses are 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 the real world and will become more confident in their mathematical abilities. The typical pathway for students who successfully complete Mathematics Essentials 10 is Mathematics Essentials 11 followed by Mathematics Essentials 12.

Students in Mathematics Essentials 10 will explore the following topics:

mental math, working and earning, deductions and expenses, paying taxes, making purchases, buying decisions, probability, measuring and estimating, transformation and design, and buying a car.

Mathematics at Work 10

(graduation, 1 credit)

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.

The typical pathway for students who successfully complete Mathematics at Work 10 is Mathematics at Work 11 followed by Mathematics at Work 12. Some students who successfully complete Mathematics at Work 10 may choose to take Mathematics Essentials 11 followed by Mathematics Essentials 12.

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.

Mathematics 10

(academic, 2 credits)

This course will be presented as a 220-hour course. This will mean that students will have mathematics class every day for their grade 10 year.

Mathematics 10 is an academic high school mathematics course which is a pre-requisite for all other academic and advanced mathematics courses. Students who select Mathematics 10 should have a solid understanding of mathematics from their junior high years. This means that students would have demonstrated satisfactory achievement of learning outcomes in grade 9 Mathematics.

Note: Mathematics 10 is a 220-hour, two-credit course.

All students following the academic or advanced pathway will need to take Mathematics 10 followed by Mathematics 11. These courses are to be taken consecutively, not concurrently.

There are two typical pathways for students who successfully complete Mathematics 10:

For those students intending to follow the academic pathway, Mathematics 10 will be followed Mathematics 11 and then 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 do not require the study of theoretical calculus).

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For those students intending to follow the advanced pathway, Mathematics 10 will be followed by Mathematics 11, then Pre-Calculus 11 and Pre-Calculus 12.

Alternatively, students who successfully complete Mathematics 10 may choose to select a graduation credit in grade 11.

Students in Mathematics 10 will explore the following topics:

measurement systems, surface area and volume, right triangle trigonometry, exponents and radicals, polynomials, linear relations and functions, linear equations and graphs, solving systems of equations, and financial mathematics.

Physical Education

PHYSICALLY ACTIVE LIVING 11 – open

PAL11

Physically Active Living 11 is a full credit designed to help all students make informed decisions concerning enjoyable physical activity both in high school and in adult life. The course introduces students to a variety of pursuits, including outdoor recreation, racket sports, team games, fitness activities, health and co-operative games that promote improved self-esteem, fitness, fair play and a healthy lifestyle. Physically Active Living assists students in developing personal responsibility for their own health and physical fitness. The focus of this course is to experience a wide variety of sports, and not on skill and to make use of facilities that are available in the community. There will also be a classroom component as part of the PAL 11 course. *This is a physical active/education credit towards NS Graduation Diploma.*

YOGA 11- academic

Yoga 11 will introduce students to various styles and characteristics of yoga. It is an expectation that students will develop a lifelong personal practice of yoga for personal fitness and recreation. Students will be participating in a variety of activities that will include both physical practice and classroom theory. The physical practice of yoga will include learning, developing, and practicing skills that involve strength, flexibility, endurance, balance, poise, regulation of energy, and mental focus, all of which can be applied to other physical activities. Classroom sessions educate students about the relationship between nutrition and fitness, the history and philosophy of yoga including values of non-violence, ethics, honesty and respect in the context of challenging physical activity. This course meets the requirement for a physical education credit. There is no pre-requisite.

Note: Meets Physical Education or elective requirement

Electives

Students in grade 10 must have a total of 8 classes. Math 10 Academic takes two spots and runs both semesters. You will need to pick 2 or 3 electives – remember to number them in order of preference.

APPLIED NETWORKING TECHNOLOGY 11 – academic APN11

The goal of this course is to introduce students to fundamental networking concepts and technologies to explain how information travels across the Internet. The curriculum includes embedded, highly interactive e-doing activities consisting of network simulations, games and challenges that provide a broad range of learning experiences. These tools will help to develop an understanding of how data flows in a network. By the end of this course, students will be able to build simple Local Area Networks (LANs), perform basic configurations of network devices and implement Internet Protocol (IP) addressing schemes.

AFRICAN CANADIAN STUDIES 11 - academic

This course is an introduction to the experiences of African peoples in North America through the study of literature and history with a strong emphasis on historical research. Students will gain an overview of African history and the African diaspora (dispersal) to the "New World" with a particular emphasis on the African Nova Scotia experience. Students will be equipped with a sound understanding of the experiences, local achievements and contributions of people of African descent. Also, students will discuss the geographical, historical, economic, artistic, literary, political and social experiences, struggles and life stories of a people who have made a significant contribution to world history and culture. As well, students will be required to do an independent study assignment that underlines and incorporates African Canadian history and contributions. At least one field trip is possible in a semester. This course is open to all students and will involve input from the community.

This course meets the Canadian Studies requirement.

BIOLOGY 11 – academic BIO11

The principal themes of Biology 11 are: energy and matter for life processes, biodiversity, the maintenance of homeostasis and interactions among living things and between living things and their environment. Topics include: cell structure and function, the classification of organisms, the diversity of living things, the processes of photosynthesis and cellular respiration, the circulatory system, the immune system and the fundamentals of ecology. Classroom work is complemented with activities and laboratory explorations.

Prerequisite: Science 10 and Math 10 are recommended.

This course meets requirements of a science credit.

BUSINESS TECHNOLOGY 11 – academic

BST11

Business Technology 11 introduces students to a range of business productivity software tools and their applications. The course consists of five modules. In Module 1, students will learn proper keyboarding technique and develop speed and accuracy in touch keyboarding. In Module 2, students will integrate their proficiency in touch keyboarding to design and apply document processing skills using Microsoft Word. In Module 3, students will learn to apply the principles and practices of spreadsheet software, including charting, using Excel. In Module 4, students will apply the principles and practices of desktop publishing, using Word and/or Publisher. Module, 5, computers and technology, will be integrated throughout the course. *This course meets the requirements for a technology credit*

CANADIAN HISTORY 11 – academic

Canadian History 11 is one of the courses that satisfy the compulsory Canadian History credit. This covers the history of Canada from both a thematic as well as a chronological approach through the study of continuing and persistent questions on the history of Canada. These issues are ones of current concern, which have deep historical roots and have helped develop the Canadian identity. The major themes of the course include: Globalization, Economic Development, Governance, Sovereignty and Justice.

This course meets the Canadian Studies requirement.

CAREER DEVELOPMENT 10 – graduation

CDV10

Career Development 10 is designed to help students to understand and manage themselves, to manage their personal lives and resources (including financial resources), and to develop the ability to organize and shape their careers. Students will explore realistic personal goals, assess their own abilities, and realize how these actions affect their learning and decision-making processes. They develop awareness of their place in the community and the value to their personal growth of giving service to the community through the following modules: personal development, career awareness, workplace readiness, financial management, and the development of a lifework portfolio.

COMMUNICATIONS TECHNOLOGY 11 – academic

CMT11

This course is designed to explore concepts that deal with how we communicate in the changing world of technology. All students will complete a mandatory digital photography unit where they will be required to operate a DSLR camera and manipulate their photos using Adobe Photoshop. Additional topics include *the fundamentals of technology* plus at least three from the following: *technical drawing, graphic design, broadcasting, video production,*

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animation and/or web design. All students will be given the opportunity to learn how to use Sketch-Up, Adobe Photoshop, and Adobe Illustrator.

This course meets the requirements for a technology credit

CONSTRUCTION TECHNOLOGY 10-open

Four Clusters:

Cluster 1: Construction Trades Realities

1. demonstrate an understanding of the nature of work and working conditions in the construction trades.
2. identify the work of carpenters, plumbers, construction electricians, lathers, painters and decorators, and floor covering installers; and the roles and responsibilities of people working in those trades

Cluster 2: Safety

Cluster 3: Measurement and Calculation for Construction Trades

Cluster 4: Tools and Materials of the Construction Trades

This course meets the requirements for a technology credit

DESIGN TECHNOLOGY 11- academic

In this course students will use technology to solve design problems. The course will make use of both computer technology and hands-on activities to solve problems and expose students to the fundamentals of design. Students learn design through applications such as Google Sketch Up, Adobe Illustrator and InDesign. The contexts of the course will examine visual design (Logo Design, Vector-Art), as well as other design principles such as proto-typing (robotics). This course allows the student to explore design concepts in a variety of topics from web, music and video game design. Throughout the course students will be expected to work individually and in groups in real scenario based projects. There will also be the opportunity for your design ideas to be utilized by community groups and organizations by having you participate with your class in the creation of sound solutions to solve a real client's design dilemmas. ***This course meets the requirements for a technology credit.***

DRAMA 10 – academic

DRA10

(See description above)

ELECTROTECHNOLOGIES 11 – academic

ELT11

Electrotechnologies 11 enables students to gain an understanding of electrical and electronic systems. Students will explore the world of electronics through hands-on experiments, circuit construction and computer simulation software. Students will build and study dozens of circuits to discover how electronic components function and work together. Students will have an opportunity to design and build a printed circuit board like an electronic musical instrument

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or police siren circuit and design control systems using the Raspberry Pi.

This course meets the requirements for a technology credit.

EXPLORING TECHNOLOGY 10 – academic EXT10

This course is based on an academic and practical approach to technological systems and problems. Students will complete four out of six modules including introduction to technology (mandatory), green technology, media design technology, control systems technology, engineering systems technology and exploring trades technology. The three themes of this course are design, innovation, and problem solving.

This course meets the requirements for a technology credit.

FOOD FOR HEALTHY LIVING 10/ Foods in Society 10 – open

Food for Healthy Living 10 is a half-credit that is combined with International Foods 10 for a full Family Studies 10 credit. This is a course in food and nutrition. The course covers eating well with Canada's Food Guide, nutrients in foods and digestion. It will explore basic kitchen equipment and recipes. Students learn about kitchen safety, safe food handling and reading food labels. Students in International Foods 10 "travel" on a virtual global foods tour exploring diverse historical, geographical, cultural and nutritional components of international cuisine. The course includes demonstrations and food tasting experiences. *It is not a cooking class.*

This is NOT a technology credit.

French 10– academic

FRE10

This course is designed for interested students who have completed junior high school core French. Students will improve their languages skills in the following four areas: speaking, listening, writing and reading. The themes that are explored are food, childhood, stress and well-being. The text used is Voyages 1. Ce programme est destiné aux élèves qui ont complété le programme de français de base à l'école intermédiaire. Les élèves améliorent leurs compétences orales, aurales, écrites et de lecture. Les thèmes explorés sont la nourriture, l'enfance, le stress et le bien-être. On se sert du manuel scolaire Voyages 1.

- *Grade 9 French Immersion students are not permitted to take this class. Students leaving French Immersion may take FRA10I as an elective.*

HUMAN BIOLOGY 11- graduation

BIO11H

Human Biology 11 provides a second science credit. The course concentrates on the study of the human body and its interactions with the environment. Topics covered include: Skin, Bones and Muscles: Diet and Nutrition, Living With Your Digestive System, Cardiovascular Health, Healthy Lungs – Healthy Breathing, The Immune System, The Nervous System, and The Reproductive System. Each topic begins at the biological level and then looks at the personal

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level. It then expands to include relevance within society as a whole.

This may be used as a second science credit or other (Math/Science/Tech.).

MI'KMAW STUDIES 11 – academic

MKW 11

Mi'kmaw Studies 11 is a course that serves not only to highlight the Mi'kmaw experience, but also to provide opportunities for learners to gain an understanding how they are connected to the history and culture of the First Peoples of the Maritimes. The course incorporates an inquiry-based approach and examines broad concepts such as governance, culture, justice, spirituality, and education. Students will analyse historical and contemporary Mi'kmaw issues, which enables them to achieve a greater understanding of, and respect for, both Mi'kmaw society and Mi'kmaw contributions to Canadian society.

This course fulfills the Canadian History requirement for students.

MUSIC COURSES (see descriptions above)

Credit can only be given for one Music 10 course

Music 10B Instrumental (Band) – academic

Music 10 Explore Music - academic

OCEANS 11 – academic

OCE11

This course is divided into two parts. In the first part, the basics of the science of oceanography are examined. Students study topics such as: the structure of the seafloor, the chemical and physical properties of water, the causes and effects of ocean currents, tides and the basics of marine biology. The second part of the course focuses on the social and economic impacts of the ocean on humans. Specifically, industries such as: tourism, the fishery, aquaculture and oil exploration are examined. Emphasis is placed on the effective management of ocean resources.

Prerequisite: Science 10 is recommended

This course satisfies a second science requirement or other (m/s/t) for NS graduation.

SPANISH 10 – academic

SPA10

This is an introductory course to Spanish language and culture for students who have no Spanish background, though a knowledge of French is beneficial. The students will be able to make introductions, greet and describe themselves and others and their surroundings. They will be

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able to talk about their family, their school, shopping, work and leisure activities. Students will know their numbers, dates, seasons and weather and be able to tell time. They will be able to use the present tense of regular and some irregular verbs, will understand the gender of nouns, how to use adjectives, pronouns and negatives.

This is a very communicative program which uses video and cassettes in addition to texts and workbooks. Students will be expected to use their language skills to produce a short scene or skit at the end of each unit. This, together with partner work, projects and presentations constitutes the oral part of the program. Evaluation is based on this oral work, written class work, participation and tests at the end of each unit.

VISUAL ARTS 10 – academic

(see description above)

- **Don't forget to select two alternates**
- **Students requiring Resource Support and Learning Centre will be appropriately scheduled during Transition Meetings with HWHS and feeder school staff.**

French Immersion

You will select the following classes :

1. English (see description above)
2. Math (see descriptions above)

3. français 10 FI – cours académique

FRA10F

Le cours de français 10 offre aux élèves l'occasion de travailler les habiletés d'écriture, de lecture, d'oral et d'écoute. Les élèves étudieront une variété de modules qui incluent la poésie, le texte informatif et expressif, la francophonie et un roman. La grammaire sera incorporée dans chaque module.

4. sciences 10 FI– académique

SCI10I

Le but de ce cours est d'aider les élèves à percevoir l'apprentissage à l'école et l'expérience de la vie comme inséparables. En intégrant l'étude des sciences à la technologie et la société, ce cours encourage les élèves à combiner la connaissance scientifique et la pensée critique pour prendre des décisions eux-mêmes. Il met aussi l'emphase sur le raisonnement et l'analyse. Il offre à tous les élèves les outils intellectuels pour devenir scientifiquement éduqués par la résolution de problèmes et le raisonnement critique. De plus, il offre aux élèves l'occasion

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d'explorer les problèmes environnementaux qui leur semblent importants. Il offre une solide base aux élèves qui espèrent poursuivre l'étude de la chimie et de la physique. Ce cours répondra aux besoins d'une large clientèle d'apprenants.

This course may be used as a first science credit for NS Graduation.

5. mode de vie actif 11 FI

Le cours de mode de vie actif 11 équivaut à un crédit et a été conçu afin d'encourager les élèves à s'engager dans de multiples expériences impliquant l'activité physique. Le thème principal du cours est l'exploration de diverses options et occasions permettant de développer et de maintenir un mode de vie actif pour la vie, et cela à l'école et dans la communauté. Le cours de Mode de vie actif 11 comprend deux composantes, soit l'activité physique et la théorie, bien que l'accent soit mis sur l'engagement dans des activités physiques. Le but ultime est d'amener les élèves à se rendre responsables de leur santé et de leur forme physique.

This course satisfies the physical education graduation requirement.

6. art dramatique 10 FI

ADR10I

Le programme d'études dans les arts dramatiques pour la dixième année repose sur le développement global de l'adolescent, tant sur le plan individuel que collectif, en s'initiant aux éléments du langage dramatique et théâtral comme moyens d'expression, de communication et de création. Par le biais de l'improvisation gestuelle et verbale, les élèves pourront, dans une atmosphère de confiance, explorer et partager leurs idées, leurs émotions et leurs expériences sous différentes formes dramatiques. Le cours se divise en quatre modules; l'initiation, le mouvement, la voix et le théâtre. Le cours des arts dramatiques 10 sert de fondement pour tout autre cours avancé en théâtre au secondaire. Le cours se déroule tout en français.

This is a fine arts credit.

7. Elective

8. Elective (unless you have chosen academic math 10) * Remember to select two alternates

Electives can come from electives mentioned in the earlier section or the following French immersion course.

biologie 11 FI – académique

BIO11F

Le cours de biologie 11 comprend les quatre modules suivants: la matière et l'énergie pour la vie, le maintien de l'équilibre dynamique, la biodiversité et les interactions entre les êtres vivants et leur environnement. Les sujets inclus sont: les molécules biologiques, les processus de la photosynthèse et la respiration cellulaire, la structure et la fonction des cellules, les systèmes circulatoires et immunitaires, et les bases fondamentales de l'écologie. Ce cours offre l'occasion à l'élève de développer des relations entre la biologie, la technologie et la société en utilisant des activités en classe et au laboratoire.

This course meets the requirements of a science credit.

The Grade 10 Diploma Preparation (Pre-IB) Program

Any student who is interested in pursuing the IB Diploma in Grades 11 and 12 at Halifax West is very strongly encouraged to take the Diploma Preparation Program in their Grade 10 year. English and French Immersion Diploma Preparation programs are offered.

Grade 10 courses in the Diploma Preparation Program at Halifax West will follow the provincial curriculum. However, subject material will be covered at a faster pace and there will be an emphasis on building skills such as research, writing, oral communication and designing, performing and analyzing experiments. These skills are essential for success in the IB courses. Students who are successful in this program will be well prepared to face the challenges of the IB Diploma courses in Grades 11 and 12. The Diploma Preparation year will help students decide if the IB Diploma is in their best interests. The selection of courses is designed so that if a student decides not to pursue the IB Diploma, they are on track to fulfill the requirements for a Nova Scotia diploma.

Information is also available on our school website: www.hwhs.ednet.ns.ca

International Baccalaureate Organization (IBO): www.ibo.org

English Pre IB Students will select the following classes:

1. English 10 Pre-IB
2. Science 10 Pre-IB
3. French 10 Pre-IB
4. History 10 Pre-IB
5. Math
6. Math
7. Fine Art or PAL
8. Elective

French Immersion Pre-IB students will select the following classes:

1. English Pre-IB 10
2. sciences 10I
3. francais 10I
4. histoire 10I
5. Math
6. Math
7. Arts dramatiques 10I or biologie 11I or mode de vie actif 11I
8. Elective

*Students may chose electives from the selection above plus Economics 11 and Physics 11.

ECONOMICS 11- academic

ECO11

This course places specific emphasis on the basic economic structure of Canada and the role Canada plays in a global economic community. Economics 11 will enable students to examine aspects of Canada's economy that affect them as individuals and as part of the global community. Students will explore the basis for economic study with the critical thinking skills necessary for interpreting economic events and making informed personal economic choices. Students will explore the following topics: basis for economic study, role of money, supply and demand, markets and the economy, production and productivity, inflation and unemployment, government involvement in the economy, and distribution of income and wealth in Canada.

PHYSICS 11 – academic

PHY11

This is one of two introductory physics courses that form the foundation for future studies in physics. The course begins with a refresher of basic algebra and the physics begins with a study of moving objects (kinematics) and proceeds into the cause of the observed motions (dynamics). The mathematical tools of graphing and algebraic manipulation are the basic necessities to carry out the problem section for mechanics (kinematics and dynamics). The conservation laws of mechanical energy and linear momentum complete the mechanics section of Grade 11. The course concludes with a study of energy transfer through waves and an application to sound and optical instruments (mirrors, lenses, diffraction gratings, etc.). This course leads to Physics 12.

My Planning Chart for High School and Beyond

Name: _____

Date: _____

We encourage you to complete the chart below tentatively listing all the courses you plan to take in high school. Be sure you include prerequisites for future courses. Please check your graduation requirements and requirements for any post- secondary programs that might interest you.

IMPORTANT NOTE: Pre-Calculus Math 12 will only be offered in Semester 1 in your grade 12 year.

Grade 10 8 courses	Grade 11 7 courses	Grade 12 6 courses
		XXXXXXXXXXXXXXXXXXXXXXXXXX
	XXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXX
Choose 2 alternates in case of scheduling conflicts or course unavailable		

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