

KVHS Course Viewbook

Graduates of 2026 and beyond.

Please note:

Some courses described may not be offered each year.



Language and Literacies

Children's Literature 120

- ❑ Do you love reading?
- ❑ Do you ever think about where your love of reading began?
- ❑ For many of us, it began when we were children through the reading of many children's classics.
- ❑ In this course we will explore the history of children's literature, how images and text work together to create meaning, and social representation in children's books. Hopefully, we will get to use our knowledge and read/lead discussions with groups of younger students at neighboring schools.



English Language Arts 10 & 11 - Extended

- Extended is an invitation for students to explore their interests, hobbies, and values through a personalized or 'unbound' literacy lens. Students can extend their literacy knowledge by choosing their own topics, genres, and texts to pursue student-led studies.
- **YOUR INTERESTS. YOUR VALUES. YOUR CHOICE**



French Immersion Language Arts 110 & 120

- This course emphasizes communication to foster growth of the language skills: listening, speaking, reading, and writing.
- It encourages the use of the language as a vehicle for communication and reflection, and as a factor in the student's personal development.
- It will also increase the student's cultural knowledge and experience.
- This course will deal with the following aspects: vocabulary, oral expression, composition, literature, and culture.



Graphic Novels 120



Graphic Novels 120 will provide a unique opportunity for learners to examine this complex genre of visual storytelling in depth. The course will study the graphic novel, including the evolution of visual storytelling, text structure, artistic voice, artistic devices, and impact on the audience. Learners will read, discuss, and design a variety of visual texts, culminating in a deeper understanding of the choices made in visual storytelling.

Journalism 120

Students will study print and electronic journalism.

Students need to have a good understanding of ethics, democracy and freedom of speech.

This is a Language and Literacies elective and as such students should have good reading and writing skills.



Media Studies 120 & FSL Media Studies 120

Students will study all facets of the media including television, film, internet and social media.

This is an Languages & Literacies elective and as such students should have good reading and writing skills and be comfortable speaking and presenting in front of the class.

This is a project-based class. Students must know how to film and edit their own videos.



Post Intensive French 110 & 120

Post-Intensive French is a literacy-based, non-immersion program for students choosing to continue to learn French as a second Language.

If you love to chat in class, love having teacher and student exemplars to assist with assignment, love going on fun field trips, love play games, and sharing your learning with elementary aged students --- all in French... Then this class is for you!

Topics include: Photography, it's not fair, mysteries, the future, careers, the environment , and much more!



Spanish 110

Introductory courses to one of the world's most widely spoken languages.

These courses are designed for people with no background in Spanish.

Class presentations, films and dialogues make these courses a very active learning experience.

These courses are excellent preparation for post-secondary Spanish courses



Writing 110

Writing 110 provides an opportunity for motivated students to hone their writing skills by taking part in a variety of writing activities including, but not limited to, creative non-fiction, fiction, and poetry.

We will explore the qualities of great writing by reading and practice our skills by writing. Students work will be assessed throughout the course and culminate in a portfolio.



Humanities

Ancient and Medieval History 112 & FSL Ancient and Medieval History 112

- Ancient and medieval societies have rich primary source traditions, which allows students to grapple with a variety of types of evidence.
- From Egyptian hieroglyphics to the Roman Colosseum and from the archaeological evidence for everyday life around the world to oral traditions that have been passed down over thousands of years.
- Ancient and Medieval History addresses big ideas in civics and Indigenous perspectives and ways of knowing through the study of the distant past.



Economics 120

- This course provides a basic understanding of our economic system and how it works.
- This course compares different economic systems.
- This course looks at different types of business organizations.
- The students will have a chance to understand the effect of Supply and Demand on the Market.
- The students will acquire an understanding of the stock market and how it affects their personal finances.
- Students will be encouraged to keep up to date with current economic issues and be ready to discuss them.
- Students will be asked their position on current economic issues and various decisions involving the economy.



Economics

Law 120

- **Students are encouraged to discuss current news cases involving the law**
- **Current court decisions are followed and discussed.**
- **Topic covered:**
 - **The Canadian Charter of Rights and Freedoms**
 - **Criminal Law**
 - **Civil law**
 - **Family Law**
 - **The Law of Will and Estates**
 - **Property Law**



Modern History 112/113 & FSL Modern History 112

- This is a course which covers the main political, economic, social and intellectual developments since 1789.
- Major topics covered include:
 - The French Revolution
 - The unification of Germany and Italy
 - World War I (causes, events and results)
 - Totalitarianism (its development and consequences)
 - World War II (causes, events, and results)
 - The Holocaust
 - The Cold War
 - Post war developments in the third world



Political Science 120

- **Just what the heck is Political Science, anyway?**
- **Why do people come together to form a society?**
- **Where do ideas like justice, liberty, and democracy come from?**
- **What is government?**
- **How does our government work?**
- **What do our politicians REALLY DO?**
- **Why do we value free speech?**
- **How free should free speech be?**
- **Why do we value freedom and democracy?**
- **What do YOU value and why?**

- **Come find out in Political Science 120!**



Sociology 120

- Sociology 120 will increase students' awareness of themselves and others as social beings and the social processes that shape the world in which they live.
- Students will develop a better understanding of the ways in which attitudes and values develop and enter individual and group actions.
- Students will also develop an awareness of the problems confronting contemporary society.
- The basic methods of social scientific investigation and the methods of which data are presented will be examined.



Wabanaki Studies 120



Wabanaki Studies 120 provides students with the opportunity to learn about Wabanaki cultures, history and contributions before European contact, as well as to learn about the shameful legacy of colonization and the genocide that ensued. This course also seeks to explore contemporary expressions of Indigeneity.

World Issues 120 & FSL World Issues

World Issues 120 is designed to help students understand the complex, interconnected challenges facing societies today. We examine global issues and why they matter and how globalization connects countries by examining human development, equity, conflict and governance.



Mathematics

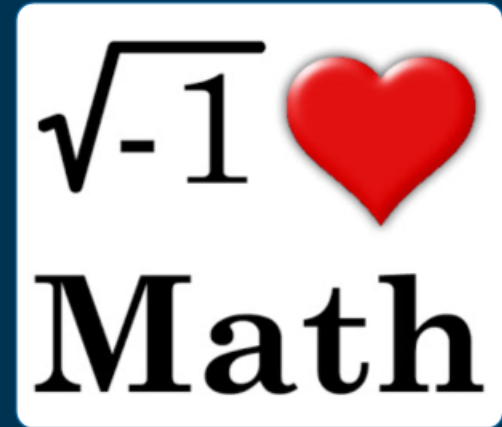
Finance and Workplace Math 110

- Financial and Workplace Mathematics 110 provides opportunity to develop mathematics skills applied in post-secondary, work ready, and life contexts.
- Topics include right triangles, trigonometry, scale representations, renting and buying, investment portfolios, personal budgets, applications of formulae, slope and proportional reasoning.
- Knowledge of Geometry, Measurement, and Finance 10 is required.



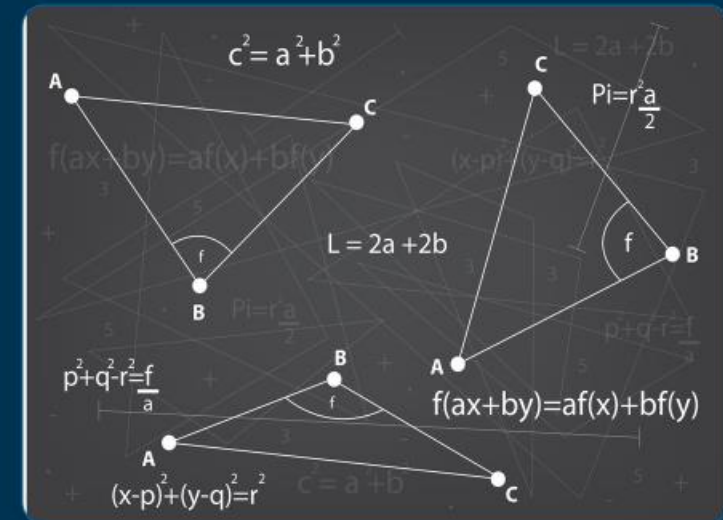
Finance and Workplace Math 120

- Financial and Workplace Mathematics 120 provides opportunity to develop mathematics skills applied in post-secondary, work ready, and life contexts.
- Topics include measuring, sine and cosine laws, properties of polygons and circles, transformations, personal financial management, linear relationships, data interpretation and probability
- Knowledge of Finance and Workplace 110 is required.



Foundations 110 & French Immersion Foundations 110

- Foundations of Mathematics 110 is for students who are interested in attending university or some college programs. It provides the foundations to further develop studies in mathematics
- Topics include numerical and logical reasoning, triangle trigonometry, systems of linear inequalities, quadratic functions, renting and buying and investment portfolios.
- Knowledge of Geometry, Measurement, and Finance 10 *and* Number, Relations, and Functions 10 are required.



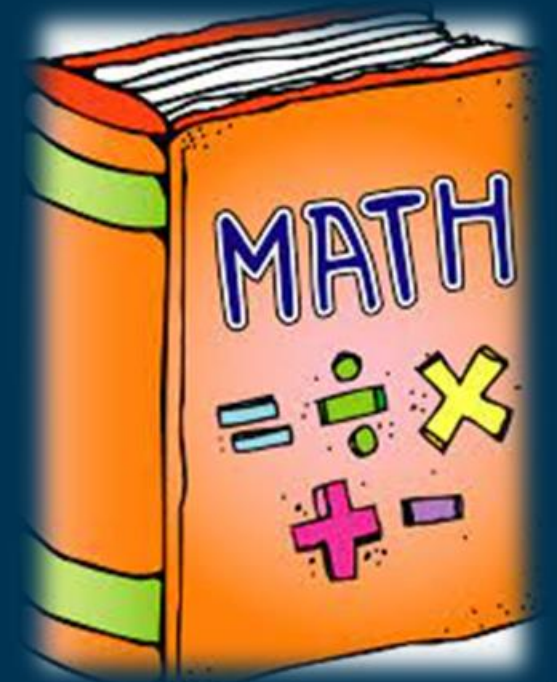
Foundations 120

- Foundations 120 is an upper-level math course that focuses on reasoning, logic, statistics and probability.
- It can be used in place of Pre-Calculus 110 for some nursing programs and can be used as a pre-requisite for some business programs in Nova Scotia.
- Knowledge of Foundations 110 is required.



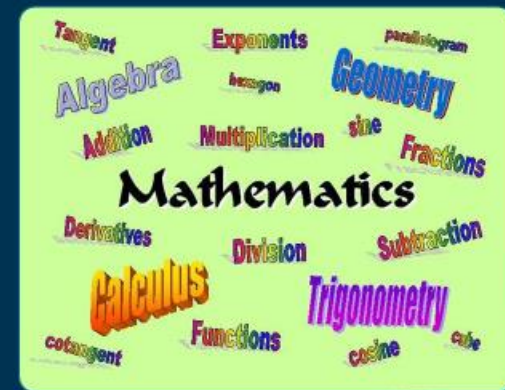
Numbers, Relations & Functions 10 & French Immersion Numbers, Relations & Functions 10

- **Number, Relations, and Functions 10** provides a foundation for more complex mathematical reasoning.
- Students will model factoring, graph and describe relationships between variables, analyze functions and apply understanding of systems of linear equations to solve problems.
- This course is required for student to further their studies in the Foundations pathway and/or Pre-Calculus Pathways



NBCC Skills Trade Work Ready Math 120

- This is a one semester course designed for students who are interesting in attending one of the trades programs at NBCC, such as:
- Agricultural Equipment Repair • Auto Body and Collision Technician • Automotive Service Technician • Automotive Technology • Bricklaying • Carpentry • CNC Machining • Cook • Industrial Mechanics • Electrical: Construction • Electrical: Industrial • Fuels Technician • Heavy Equipment Service Technician • HVAC: Sheet Metal Fabrication • Machinist • Motorcycle Repair • Marine Diesel Mechanics • Mechanical Technician • Plumbing • Steamfitting/Pipefitting • Steel Fabrication • Truck and Transport Service Technician • Welding • Welding and Metal Fabrication



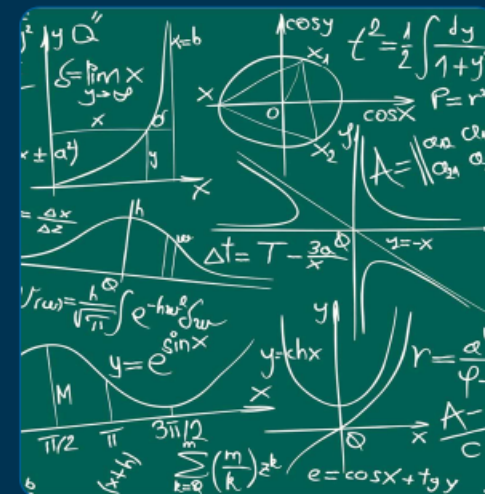
Pre-Calculus 110 & French Immersion Pre-Calculus 110

- This course is intended for students planning to attend university or college programs that require a strong foundation in mathematics. It focuses on developing the mathematical understanding needed for post-secondary studies which may include calculus.
- You will expand your knowledge of quadratic, radical, rational and absolute value functions.
- Knowledge of Foundations 110 is required.



Pre-Calculus 120 A

- Pre-Calculus 120 A prepares students for calculus by strengthening their algebraic and graphing understanding of radical, exponential, logarithmic, and trigonometric functions, including identities.
- This course is required for most science, business and engineering degrees
- Knowledge of Pre-Calculus 110 is required. Pre-Calculus 120 A may be taken concurrently with Pre-Calculus 120 B.



Pre-Calculus 120 B

- Pre-Calculus 120 B prepares students for the study of calculus by deepening their understanding of polynomial and rational functions, as well as developing an understanding sequences, series, combinatorics and limits.
- This course is required for most science, business and engineering degrees
- Knowledge of Pre-Calculus 110 is required. Pre-Calculus 120 B may be taken concurrently with Pre-Calculus 120 A.

$$f_{a,\sigma^2}(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_{a,\sigma^2}(\xi_1) = \frac{1}{\sqrt{2\pi}}$$
$$\frac{\partial}{\partial \theta} f(x, \theta) dx = M \left(T(\xi) \cdot \frac{\partial}{\partial \theta} \ln L(\xi, \theta) \right)$$
$$\frac{\partial}{\partial \theta} \ln L(x, \theta) \cdot f(x, \theta) dx = \int_{R_n} T(x) \cdot \left(\frac{\partial}{\partial \theta} \frac{f(x, \theta)}{f(x, \theta)} \right)$$
$$F = \frac{\partial}{\partial \theta} \int_{R_n} T(x) f(x, \theta) dx = \int_{R_n} \frac{\partial}{\partial \theta} T(x) f(x, \theta)$$

Sciences

Agriculture 110

A person wearing a white lab coat is working in a field of green crops. In the foreground, there is a wooden basket filled with fresh vegetables, including carrots, radishes, and leafy greens. The background shows rows of crops in a field under a bright sky.

- **Agriculture 110 falls within both the science cluster of courses and the career-connected cluster.**
- This course includes
 - the history and evolution of Agriculture in New Brunswick
 - Indigenous and settler contributions
 - everyday impacts on life in New Brunswick, and
 - specific types of Agriculture predominant in New Brunswick.
- Learners will
 - apply knowledge of plants and animals to local contexts, to introductory plant growing and animal care research skills,
 - apply skills and gain agricultural experience and/or work placements and
 - include a learner-led personal choice project or development of a business proposal and plan to summarize and demonstrate learning.

AP Biology



AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetic information transfer, ecology, and interactions.

AP Chemistry 120



Learn about the fundamental concepts of chemistry including structure and states of matter, intermolecular forces, and reactions. You'll do hands-on lab investigations and use chemical calculations to solve problems.

Course Content

Unit 1: Atomic Structure and Properties

Unit 2: Molecular and Ionic Compound Structure and Properties

Unit 3: Intermolecular Forces and Properties

Unit 4: Chemical Reactions

Unit 5: Kinetics

Unit 6: Thermodynamics

Unit 7: Equilibrium

Unit 8: Acids and Bases

Unit 9: Applications of Thermodynamics

AP Physics 120

Learn about the foundational principles of physics as you explore Newtonian mechanics; work, energy, and power; mechanical waves and sound; and introductory, simple circuits. You'll do hands-on laboratory work to investigate phenomena.

Course Content

Unit 1: Kinematics

Unit 2: Dynamics

Unit 3: Circular Motion and Gravitation

Unit 4: Energy

Unit 5: Momentum

Unit 6: Simple Harmonic Motion

Unit 7: Torque and Rotational Motion

Biology 112 & FSL Biology 112 & Biology 122, 121

- **BIOLOGY 11**

- This course is an introductory course in the field of biology.
- The course places emphasis on the basic biological principles needed for further study in biology.
- **Concepts include:**
 - cellular structure and function,
 - biodiversity and maintaining dynamic equilibrium part 1.
 - Laboratory work supplements regular classroom instruction, with concentration in the areas of microscopy and dissections.

- **BIOLOGY 12**

- Biology 12 is designed for grade 12 students.
- A student who plans to enter university programs that are life science oriented (nursing, pre-med, pharmacy, etc.) should complete both Biology 11 and Biology 12.

Chemistry 112 & Chemistry 122,121

- These courses are college or university preparatory programs used as an entrance requirement for science-related university courses, some technical school courses, and nursing.
- The first-year concepts to be learned include:
 - matter and energy in chemical change
 - matter as solutions and gases
 - quantitative relationships in chemical change
 - and chemical bonding in matter
 - familiarization with simple laboratory apparatus and techniques
- The second-year concepts to be learned include:
 - The diversity of matter
 - Organic Chemistry
 - Thermochemical change
 - Equilibrium
 - Acids and bases in chemical change
 - Electrochemical changes.
 - The laboratory program continues with the same objectives as in Chemistry 112 and expands upon the safe use of various chemicals and equipment.

Forestry 110

- **Forestry 110 falls within both the science cluster of courses and the career-connected cluster.**
- **This course helps students develop an understanding of**
 - **the societal values placed on forested ecosystems,**
 - **how forests are managed to achieve these values, and**
 - **the interactions between humans and forests.**
- **The learning activities promote literacy, knowledge, and skill development to enable students to meaningfully engage in public discourse around forests and the forest sector, by**
 - **exploring career pathways within New Brunswick's forest sector**
 - **developing and utilizing the interdisciplinary skills of observation, reflection, documentation, purposeful/intentional planning, goal setting, decision-making, and problem-solving.**
 - **taking a hands-on approach of both project-based and experiential learning which develops technical and adaptive skills.**

Human Physiology 110

Human Physiology 110 is designed to build an understanding of the physiology of the human body as complex and dynamic, which is impacted and responsive from both internal and external environments. This course is designed to support learners with post-secondary plans in the areas of social sciences, health care, and kinesiology. Learners can expect to participate in a variety of engaging instructional practices and group activities. The course focuses on developing an understanding of the structure and functions of each human body system with relation to other body systems and the overall health of learners. Topics covered during this course will include human movement, nutrition and gas movement, and response to changes occurring within the human body.

Introduction to Electronics 110

- **Want to know about...?**

- Computers TVs Sensors Microprocessors DVD players loudspeakers Amplifiers radio microphones cell phones

- **Useful for courses such as:**

- Engineering
- Computer Science
- Instrumentation
- Computer Networking
- Technician
- Power Systems
- Automotive
- Aircraft maintenance
- And so much more!

Environmental Geoscience 110



In Environmental Geoscience 110, students explore our home planet using science skills related to physical geography, environmental science, Earth science, and geology. Students will learn how Earth systems and landscapes change over time, investigate human impacts on the planet, and explore sustainable resource management. The course includes mandatory field work and builds upon skills and knowledge attained in *Science 10: Science for Sustainable Societies* and *Geometry, Measurement, & Finance 10*.

A satellite view of the Earth from space, showing the Americas. The title 'Environmental Science 120' is overlaid in white text at the top center.

Environmental Science 120

- **Curriculum highlights:**
 - **Environmental issues, human population growth and resource limitations**
 - **Sustainable practices and environmental awareness**
 - **Investigating and environmental issues**
 - **Project and collaborative work**

Science for Sustainable Societies 10 & FSL for Sustainable Societies 10

- **Science 10 aims to help students**
 - improve scientific literacy skills (scientific inquiry, problem-solving, and decision making)
 - appreciate the nature of science as a systematic approach to understanding the world
 - discover that scientific knowledge produced this way is both durable and subjected to change
 - understand that science affects and is affected by society.
- **Core ideas and topics of study:**
 - **Power, Work, and Energy**
 - **Electricity and Electrification**
 - **Nuclear Technology**
 - **Chemistry Foundations (including classification of matter, chemical change and bonding, chemical models, chemical reactions)**

Physics 112 & Physics 121, 122

- In Physics 11, you learn about:
- How and why objects move in 1-dimension, using force and energy analysis
- How and why energy itself changes and moves

- In Physics 12, you learn about:
- How and why objects move in 2-dimensions, including sliding and rotational motion, projectiles, and circular motion
- Field theory and fundamental forces in the universe, including gravitational, electrostatic, and magnetic forces

- **Both courses rely heavily on preexisting math skills** (rearranging & solving equations, systems of equations, graphing, unit conversions, trigonometry, etc.), **content from prerequisites, and application of science skills in hands-on lab activities.**

Creative Arts

Dramatic Arts 110

- ❖ **Dramatic Arts 110 is a performance-based course designed to encourage students to develop their dramatic skills through exposure to a variety of challenges and opportunities that require creative and higher-order thinking skills. Dramatic Arts 120 expands on the skills acquired in Dramatic Arts 110**



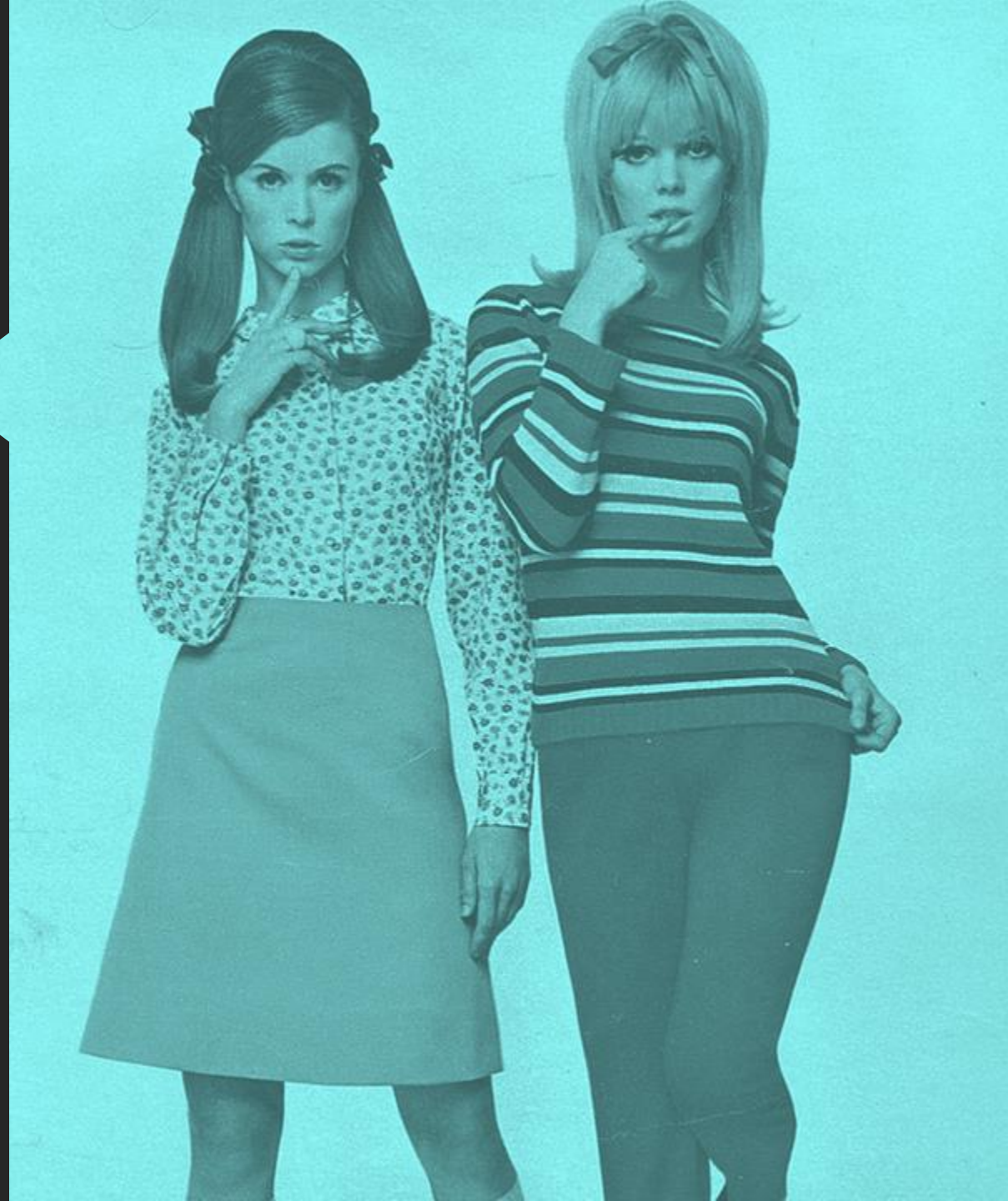
Digital Production 120



In this course, learners will have the opportunity to develop skills related to creating digital media. The process of producing digital media products necessitates a blend of analytical and practical knowledge. By exploring the principles of effective design, students will create media content in various formats. Simultaneously, they will acquire digital literacy skills, including the technical and procedural competencies required for careers in media. The course emphasizes digital imaging, audio, and video products, as well as their potential impact on the audience. Additionally, special attention is given to producing authentic media that adheres to ethical principles.

Fashion Technology Design 110

- ❖ An in-depth study of fashion and the fashion industry.
- ❖ If you are interested in a career in the apparel industry in any capacity, this course is for you!
- ❖ Topics include:
 - ❖ Psychosocial aspects of clothing
 - ❖ History of fashion
 - ❖ The application of design elements and principles in fashion
 - ❖ Wardrobe planning
 - ❖ Application of colour theory
 - ❖ Fashion drawing
 - ❖ And basic textile and clothing construction



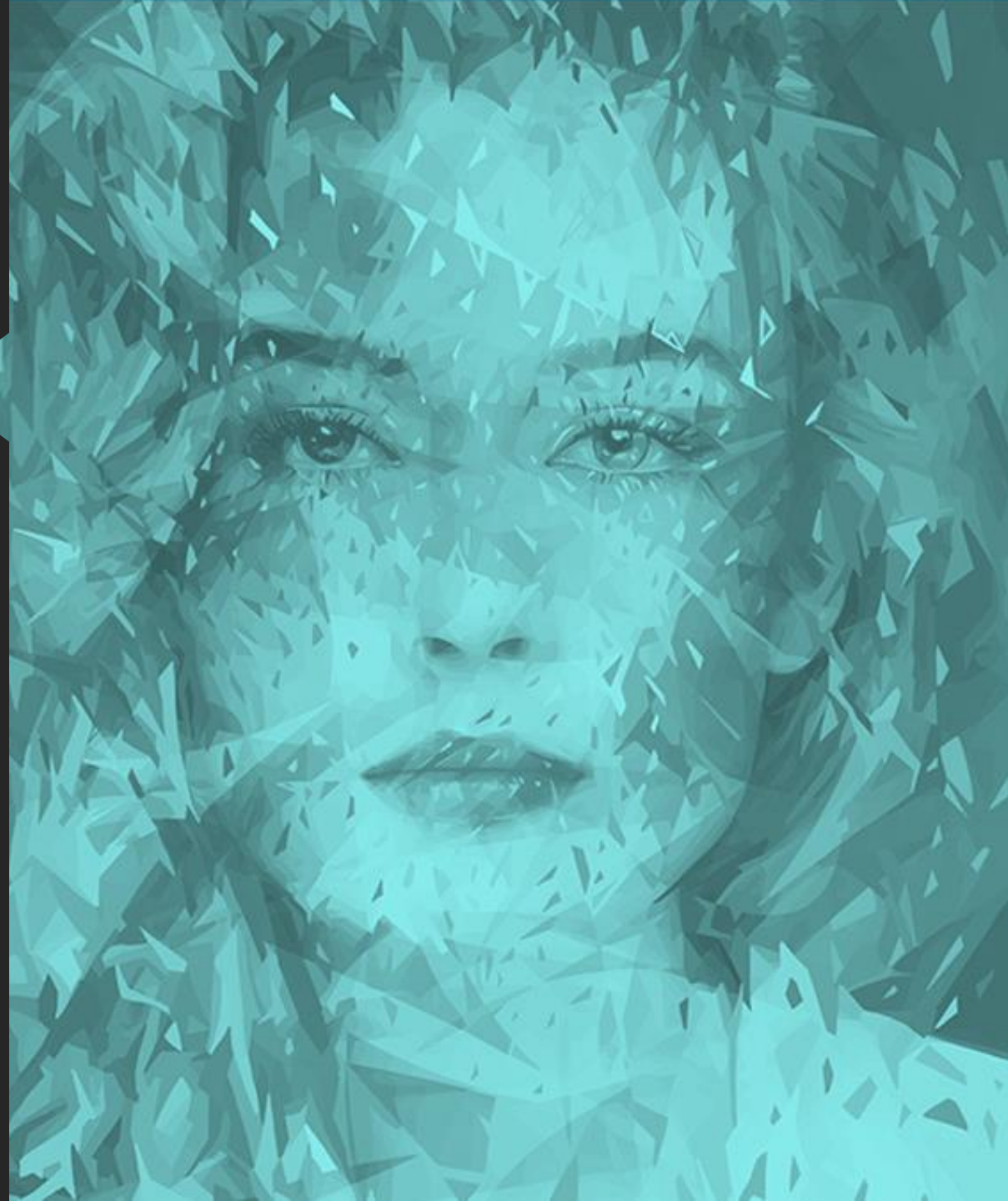
Film 110



Film 110 introduces students to the craft of filmmaking for an intended audience. Students gain hands-on experience in film production, including basic camera work, lighting, sound, and other key elements, through the creation of short films. The courses also include viewing and analysis of film to build understanding of cinematic conventions, film culture, and the purpose of filmmaking. Film 110 is ideal for students with an interest in film production and critical engagement with visual storytelling.

Graphic Art and Design 110

- ❖ Students examine the changing face of graphic and computer art as well as the history of print media.
- ❖ Explorations include:
 - ❖ Study of typography
 - ❖ Calligraphy
 - ❖ The application of text to all forms
 - ❖ Creating signage, billboards, school play and musical posters
 - ❖ Black and White darkroom techniques



Music 10, 112 & 122

- ❖ **Emphasis will be placed on both the practical aspect of music—performing in solos and ensembles and theory, ear training, and music history/appreciation.**
- ❖ **The aim of this course is the continuing development of well-rounded, knowledgeable, competent musicians at the high school level.**



Popular Music 110

In ***Popular Music 110***, learners examine culture through the elements of music, instrumentation, the role of industry and promoters, artists, and writers. Additionally, learners are expected to create and/or recreate music to demonstrate their understanding of specific characteristics of a particular genre.

Recording and Sound Design 120

This course is designed for the student who has an interest in audio recording and music production. The student will receive instruction in the physics of sound, looping, MIDI, microphone techniques, and how to produce music in a range of genres and technical demands. Learning will be mostly hands on and project based. Recording studio work will be needed outside of regular class time.

Visual Arts 10, 110 & 120

- ❖ These courses offer students a deeper understanding of the elements and principles of drawing, painting and sculpture.
- ❖ There is an emphasis on studio work and portfolio production
- ❖ Art history and contemporary art will also be studied.



Wellness & Physical Education

AP Psychology

The background features two overlapping silhouettes of human heads in profile, facing right. The head in the foreground is dark grey and contains a clear, anatomical drawing of a brain. The head behind it is a lighter shade of grey and contains a chaotic, tangled mass of white lines, suggesting mental clutter or a lack of understanding.

The Advanced Placement Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals.

This course gives students college-level learning opportunities and instruction each day. The course will cover those topics generally discussed in a college level introductory (first year) psychology course. These topics include:

- ❖ the history of psychology as a science
- ❖ biological bases of behavior
- ❖ consciousness
- ❖ memory
- ❖ stress
- ❖ disorders and treatment
- ❖ ethics
- ❖ research methods
- ❖ sensation/perception
- ❖ learning
- ❖ cognition
- ❖ development
- ❖ personality
- ❖ social psychology

Early Childhood Development 120

- ❖ **This course involves a study of reproduction, conception, pregnancy, childbirth, infancy and children up to the age of five.**
- ❖ **Participation in a preschool experience allows students excellent insight into the responsibilities and challenges of parents and teachers.**
- ❖ **This course is beneficial to those students whose future career plans involve working with children in any field.**

Dance 110

A black silhouette of a dancer in a dynamic, expressive pose. The dancer is standing on one leg, with the other leg kicked high and bent at the knee. One arm is raised high, and the other is extended horizontally. The background is a light gray gradient.

- ❖ **Do you love moving and being active?**
- ❖ **Do you love music and hearing the different beats?**
- ❖ **Would you like to explore the history of dance while learning the different styles yourself?**
- ❖ **Would you enjoy learning:**
 - ❖ Tap
 - ❖ Jazz
 - ❖ Hip-hop
 - ❖ The Tango
 - ❖ And so much more!

Health Care 110

- ❖ **This course introduces students to content and concepts related to health care and the healthcare system.**
- ❖ **Students will learn how the Canadian healthcare system works and will be introduced to various medical professionals that work within the system.**
- ❖ **Students will learn what it takes to be a professional within the different healthcare occupations.**
- ❖ **They will examine the rights of a healthcare consumer, develop an awareness of related environmental and societal issues and will begin to explore secondary and post-secondary pathways leading to careers in the field.**

Individual and Family Dynamics 120 & FSL Individual and Family Dynamics 120

- ❖ **This course is an elective for students who may wish to pursue fields of study such as: social services, family law, careers in counseling, psychotherapy, law enforcement, and the field of medicine.**
- ❖ **This course focuses on understanding yourself, building self-confidence, relationships with parents and peers, dating, coping with stresses inside the family, (violence, divorce, and remarriage) and coping with stresses outside the family, (drugs, alcohol, sex, date rape, and sexually transmitted diseases).**

Introduction to Kinesiology 120

Introduction to Kinesiology 120 will have students engage in topics such as: historical physical activity and sport events, ethical issues, physical literacy, anatomy, physiology, human performance, biomechanics, and prevention and care of athletic injuries. Learners will explore and participate in hands-on instructional practices, including group activities and labs. This course is appropriate for learners who have an interest in learning more about kinesiology including careers in the fields of physical education, health, physiotherapy, athletic therapy, nursing, athletic coaching, and sport management.

Nutrition and Healthy Living 120

- ❖ **Nutrition for Healthy Living 120 is designed to make students aware of preventative strategies to contribute to overall wellness, make healthy food choices and maintain a balance between eating habits and physical activity.**
- ❖ **Special emphasis is given to the study of nutrients; how they work in the human body, identifying the best food sources of each nutrient, and recognizing the effects of using too little or too much of a nutrient.**
- ❖ **Current issues relating to chronic diseases, lifestyles and food technologies will also be discussed.**
- ❖ **This is an excellent course for those concerned with personal wellness or for students who wish to pursue a career in science and nutrition or health-related fields.**

Outdoor Education 110

A grayscale photograph of a hiker with a large backpack walking away on a dirt path. The path leads through a grassy field towards a range of mountains under a cloudy sky. The hiker is in the lower right quadrant of the frame, walking away from the viewer.

- ❖ Outdoor Education 110 provides opportunities for students to explore various outdoor adventure activities such as camping, kayaking, canoeing backpacking, hiking, skiing, snowshoeing, orienteering and rock climbing.
- ❖ From these experiences they will gain a greater insight, appreciation, concerns and knowledge about the outdoor environment and the opportunities that it holds for educational, recreational, and economic benefit.

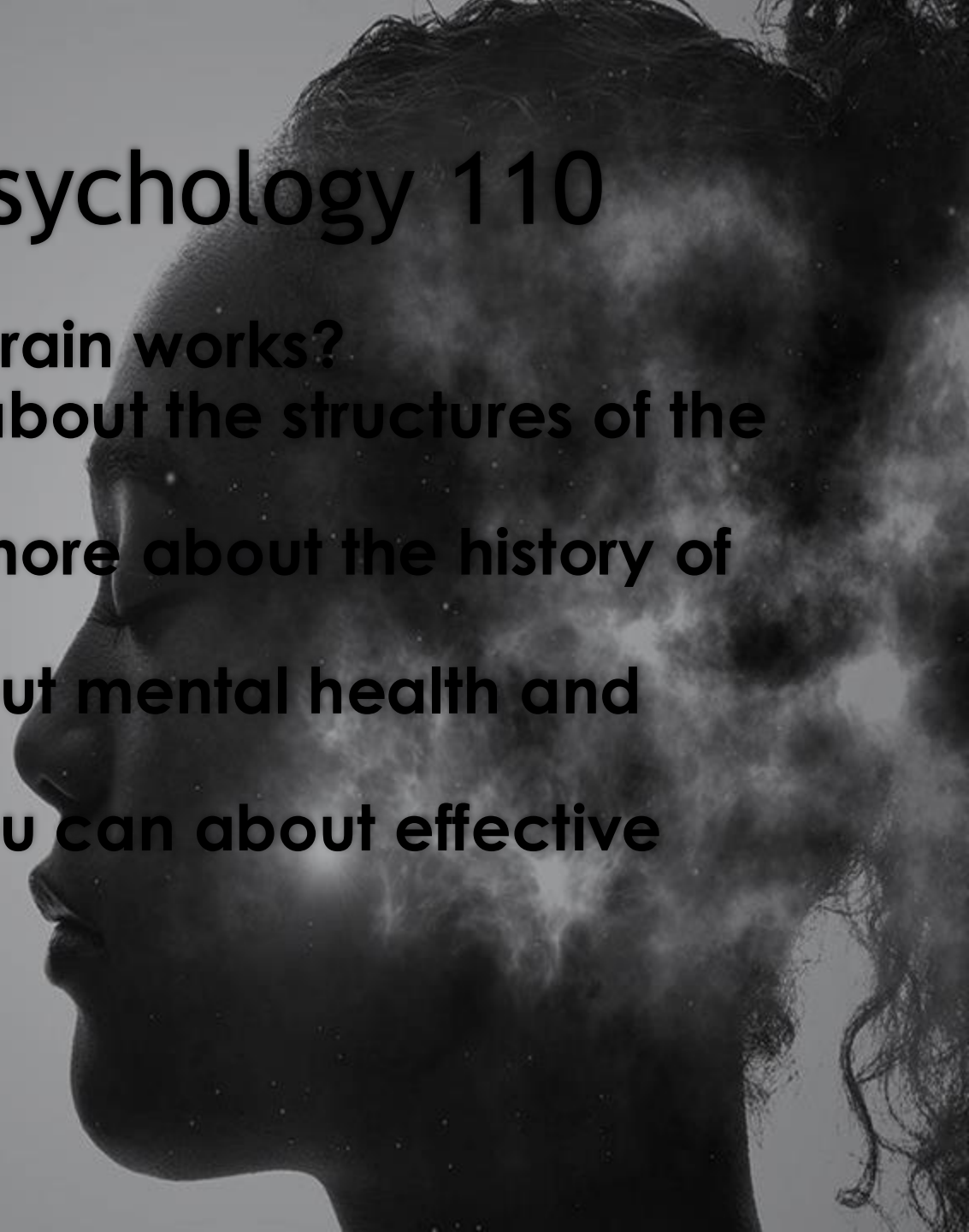
Physical Education 10



- ❖ Grade 10 Physical Education is identifying the skills, knowledge, and attitudes expected of students in three categories, Doing, Knowing and Valuing.
- ❖ Doing- Understanding effective movement skills & Concepts
- ❖ Knowing- Understanding principals and concepts that support active healthy living
- ❖ Valuing- develop positive personal and social behaviours and interpersonal relationships.

Psychology 110 & FSL Psychology 110

- ❖ Are you interesting in how the brain works?
- ❖ Do you have a desire to know about the structures of the brain and what they do?
- ❖ Are you interested in knowing more about the history of Psychology and theories?
- ❖ Do you want to know more about mental health and mental illnesses ?
- ❖ Do you want to know all that you can about effective theories ?
- ❖ Then this course is for you!



Psychology 120

Psychology 120 is designed to expand on the knowledge gained from Psychology 110 with a focus on the evolution of ethical research methods and design. We will look into learning, motivation, attraction, memory, and sensation and perception. Students will explore the differences between qualitative and quantitative research and investigate how research can help to explain behaviours.



Sport & Recreation Leadership 120

- ❖ Do you enjoy organizing sports activities, tournaments intramurals etc.,?
- ❖ Would you like to share your skills and talents with others while experiencing new activities presented by your peers?
- ❖ Are you interested in developing your leadership potential through sport?
- ❖ If you are looking for a fun, challenging and active leadership opportunity than this course is for you!

Wellness Through Physical Education 110

The background of the slide features a grayscale image of several runners in motion on a beach. The sun is low on the horizon, creating a bright, hazy glow and long shadows. The runners are captured in various stages of their stride, conveying a sense of energy and movement.

- ❖ **The goal of Wellness through Physical Education 11 is to promote healthy active living for life.**
- ❖ **Students will:**
 - ❖ **Experience a variety of wellness activities**
 - ❖ **Design a wellness opportunity for a community group**
 - ❖ **Create and implement a personal healthy active living plan**

Yoga 110

A group of five people are practicing yoga in a bright, modern studio. They are all in a warrior II (Virabhadrasana II) pose, with their right legs forward, left legs back, and arms extended horizontally. The studio has large windows in the background, and the floor is made of light-colored wood. The people are wearing athletic wear, and the overall atmosphere is calm and focused.

- ❖ **Do you want to:**
 - ❖ **Increase your flexibility?**
 - ❖ **Increase your strength?**
 - ❖ **Learn to meditate?**
 - ❖ **Sleep better?**
 - ❖ **Find peace and quiet in your busy life?**
- ❖ **Then Yoga is the course for you! No experience required!**

Career Connections



Career Pathway Design 10 & FSL Career Pathway Design 10

- The course offers the opportunity to explore many career pathways and help you set an intentional focus for your post-secondary journey!



**WORK
EXPERIENCE**

Career Mentorship Pathway (COOP 120)

- **Cooperative Education 120 combines theory with practical learning experiences through work placement opportunities.**
- **Students learn and practice Employable skills; working inside and outside of the classroom**
- **Placements are in a vast array of workplace settings such as:**
- **Horizon Health at the Saint John Regional Hospital**
- **Trades Orientation Program HSTOP at NBCC**
- **Royal Canadian Reserve**
- **IDEA Centre: an entrepreneurial program**
- **Virtual coop placements with industry experts in many areas**
- **Application is required**

The background of the slide features a close-up, slightly blurred view of architectural blueprints. A green and white eraser is placed on the paper, partially obscuring some of the technical drawings. The blueprints contain various lines, dimensions, and text, including the words 'CAIXILHO' and 'SALA DE ESPERAR' visible at the bottom.

Computer Aided Design 110

- This is an introductory course designed to give students knowledge and skill in the drafting area.
- Through sketching and computer assisted drawing (CAD), students gain the skills necessary to both visualize and present ideas graphically.
- This course will appeal to students interested in architecture and/or engineering.



Computer Science 110

- **Computer programming is like solving puzzles.**
- **The objectives of this course are to introduce students to the world of computers and their impact on society, computer science concepts, and fundamental problem-solving skills.**
- **Course emphasis is on using the Python computer language and problem-solving skills.**
- **Students will acquire the skills needed to write computer programs and solve computer related problems.**



Computer Science 120

- **Computer Science 120 is recommended for students with a strong interest in computer programming.**
- **Students will learn the basic syntax of the Java language, program Java applets, and write simple programs using object-oriented design principles.**
- **This course provides a good foundation for students who wish to pursue a post secondary program in computer science.**

A close-up photograph of two people in business attire shaking hands. The person on the left is wearing a dark pinstriped suit jacket, and the person on the right is wearing a grey suit jacket. The background is blurred, showing other people in a professional setting.

Business Management 120

- **What motivates employees the most? (Spoiler: It's not money!)**
- **How are businesses impacted by customers, technology and the law?**
- **Should businesses act ethically? Why?**
- **What does a leader do? What's the best way to lead people? How do you lead a company?**

- **In this course, students will develop the critical thinking and problem-solving skills needed to excel in post-secondary learning.**
- **This course is designed to have a high degree of student engagement and student lead exploration**
- **The textbook for this course is used in some university business courses.**



Develop and Lead 110

- In ***Develop and Lead 11***, learners will have the opportunity to plan, organize, and administer projects within their schools and communities.
- Regardless of their comfort level or previous experience, learners will develop leadership potential in a safe and inclusive space. Learners will explore various roles in group dynamics, including being a leader, collaborating with others, and contributing positively to learning experiences.
- This course facilitates leadership experiences by capitalizing on and creating opportunities for learners to act as change agents and facilitate growth. Participation in ***Develop and Lead 11*** results in a journey in which learners can create a positive legacy in their school and community.
- Time commitments beyond the learning environment may be required.

Early Childhood Services 110

- This course introduces a variety of concepts including nutrition, play, safety, storytelling and how these affect developments.
- Areas of study include:
 - Child-related careers
 - Lesson planning
 - Organizing and setting up a playschool
 - Hands-on teaching experiences in a student run daycare setting





Entrepreneurship 110

- Do you have a great idea that could make millions?
- Like to watch Dragon's Den?
- Think you could come up with a brand-new dessert idea?
- Wonder what new flavor of cereal kids will be begging their parents to buy them in the future?
- How do people start a business anyway?
- Learn how entrepreneurs become successful
- Be creative and innovative
- Develop a product or service and sell it at the Campus Market!



Financial Accounting 120

- This course is designed for students in their final year who are planning to attend university or community college and taking Business.
- The course covers the accounting cycle and includes the development and use of journals, ledgers and related books of accounts as well as a computer accounting package if time permits.
- Basic accounting principles and concepts are discussed at some length to help students understand the conceptual framework of accounting.
- The preparation and use of the financial statements of a proprietorship, partnerships, and corporations are studied in some detail.
- Students should have an interest in math but will not be learning new or complex math but will learn to analyze business transactions.

Hospitality and Tourism 110

- This course explores the fastest growing sector of the Canadian economy – the Hospitality and Tourism Industry!
- Topics include:
 - Accommodations
 - Food and Beverage
 - Adventure Travel and Recreation
 - Events and Conferences
 - Travel and Trade
 - Tourism Services and Transportation



The background features a vibrant, multi-colored crowd silhouette at the bottom. Above it, there are several stylized speech bubbles in shades of orange, red, and yellow. One bubble on the left contains a dark red hashtag symbol (#). Another bubble to its right contains a red Wi-Fi symbol. The overall theme is digital communication and social media.

Marketing 120

- *This course introduces the fundamental concepts of marketing, with an emphasis on in-depth analysis of the influence of changes in the economy and global marketplace, trends and issues, and the impact of technology.*
- *Students will analyze the buying patterns of various consumers and the effect of marketing strategies and will engage in marketing research.*
- *Students will develop and present a full and in-depth marketing plan.*



Culinary Technology 110 & 120

- **Culinary 110 is an entry-level, hands-on food service training course.**
- **You will learn culinary standards in food service and food preparation through theory and hands-on practice.**
- **You will demonstrate your skills in Master Chef Challenges and operation of a cafe.**
- **Culinary 120 is a continuation of Culinary 110.**
- **You will expand our skills in food preparation and food service.**

A close-up photograph of a person's hands using a red multimeter probe to test a network switch. The person is wearing a dark blue long-sleeved shirt. The background shows a rack of network switches with various colored cables (black, yellow, blue) plugged in. The lighting is bright, highlighting the hands and the probe.

Electrical Wiring 110 & 120

- **These are residential wiring courses with an emphasis on the lighting and power circuits normally found in a single-family dwellings.**
- **Students will progress from a study of the basic equipment, supplies and techniques used in residential wiring to the design and placement of the total electric circuit requirement of a single-family dwelling as prescribed by the Canadian Electrical code.**
- **Interested in a career in the electrical technology or electrical trade area? These courses are for you!**



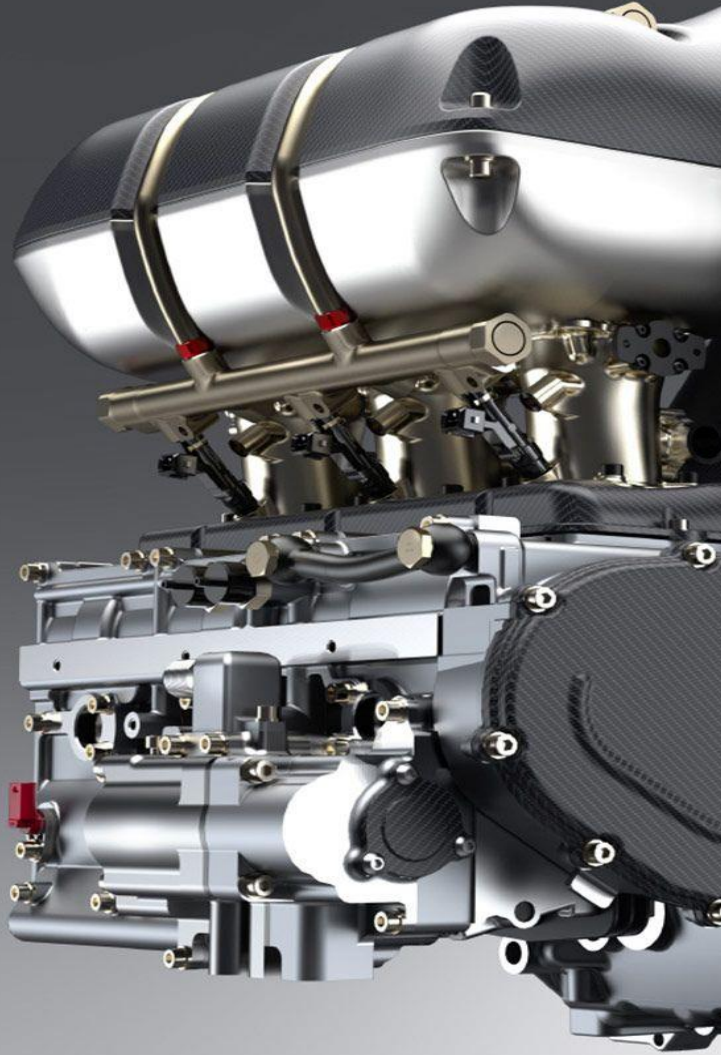
Framing and Sheathing 110

- **Did you enjoy playing with Lego when you were younger?**
- **Do you like building things?**
- **Do you want to get out from behind a desk?**
- **These construction courses focus on the acquisition of skills and knowledge associated with the completion of a modern wood from residential building and the safe operation of carpentry tools and equipment.**

A close-up photograph of a wooden workbench. On the left, a silver claw hammer is positioned vertically. In the center, a pencil lies horizontally. On the right, a yellow measuring tape is partially visible, showing markings in inches and centimeters. The background is a light-colored wooden surface with a vertical grain.

Introduction to Skilled Trades 110

- Interested in the trades, but not sure which one is for you?
- This is a great introductory course that will expose you to various skills that can prove useful for those wanting to become more proficient with hands-on applications in fields including: carpentry, drafting, workplace safety, and WHMIS
- **NO EXPERIENCE REQUIRED!**



Internal Combustion Engines 110

- Interested in vehicles ?
- Want to learn about how engines work?
- Interested in working in the automotive industry after high school?
- In this course you will learn the safe operation of tools and equipment used to disassemble, diagnose, service and repair engine components and systems.

Metals Processing 110 & 120

- Like working with your hands?
- Have you ever thought about machines and how they work?
- In these courses you will develop skills in the operation of lathes, grinders and milling machines.
- You will also learn a variety of processes use to form and repair metal parts for machines and tools.
- Turn, burn and learn- some creative metal!



Mill and Cabinet Work 120

- This course will be of interest to students exploring career opportunities in the building construction industry as well as those with a general interest in woodworking.
- In this course you will:
 - Learn operation of woodworking tools and equipment.
 - Learn project planning and estimating.
 - Build a series of wooden products.



Powertrain and Chassis 110

- This course is designed to introduce students to the service and maintenance of the automobile chassis and power train.
- Emphasis is placed on the function, repair, and replacement of components.
- Topics include:
 - suspension assemblies
 - brakes
 - steering
 - wheel bearings
 - tires
 - transmissions
 - differential and drive lines



Residential Finish 120

- **Did you enjoy playing with Lego when you were younger?**
- **Do you like building things?**
- **Do you want to get out from behind a desk?**
- **These construction course focus on the fine details of home finishes – such as siding, windows, trim, etc.**



Welding/Metals Fabrication 110 & 120

- **Have you ever thought about how much in your life involves welding?**
- **By 9am you have already used 5 things that have been welded!**
- **In this course you will develop basic skills in the safe use of welding equipment, oxygen-acetylene and plasma cutting tools.**

Additional Electives & Local Options

Adulthood 120

Major Areas of Study.

- ❑ Basic hand tools and power tools
- ❑ Basic car maintenance
- ❑ Cleaning and organizing
- ❑ How to live on your own
- ❑ Budgeting/Career exploration
- ❑ Interpersonal skills (how to be a good neighbor, colleague, etc.)
- ❑ Canadian etiquette, norms, traditions, ethnocentricity



Board Game Design 120

Board Game Design 120 is a course where students will design, develop, prototype and complete their own board game.

The course is divided into four broad phases:

- ❑ **Concepting:** Students will create the core mechanic or theme for their game. They will play board games to explore design space and participate in discussions about luck, skill, game politics, kingmaking, and more.
- ❑ **Designing:** Students will develop their core mechanic or theme with supporting mechanics. They will engage in playtesting and participate in discussions about balance, strategic collapse, busywork, reward/effort etc.
- ❑ **Developing:** Students will create a prototype of their game and playtest it extensively. They will write a ruleset to perform a blind playtest. They will playtest the games of other students.
- ❑ **Presenting:** Students will complete their game. They will write a final ruleset that relates thematically to their game. They will perform final playtests.

Students will be journaling throughout the semester to keep track of notes, ideas and feedback related to their game.

At the end of the course, students will have created a playable board game.



Gender Studies 120

- ❑ Gender Studies 120 aims to introduce students to critical literacy practices by examining cultural constructions (media representations) that shape and inform identities.
- ❑ The course engages students in reflective thinking about how they have been taught to “read the word and read the world”
- ❑ Students participate in class discussions and activities that focus on representations of race, gender, class, sexuality, ability, language and other identity categories found in past and present media sources.
- ❑ The overall goal of the course is to encourage critical thinking, critical questioning, and critical action to construct a more socially just and democratic world.



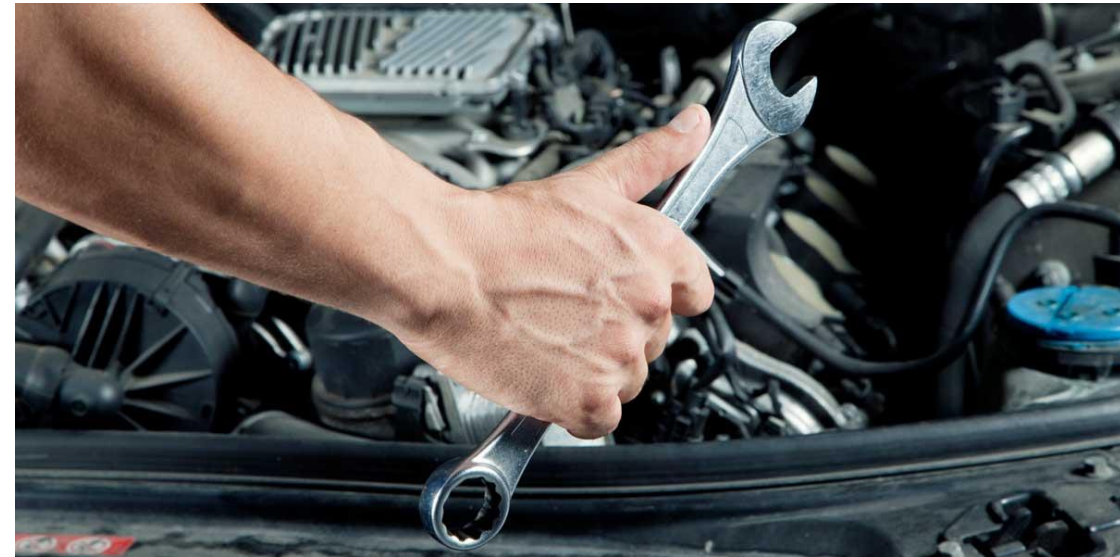
Introduction to Astronomy 120

- ❑ Do you love STEM – Science, Technology, Engineering and Math?
- ❑ Would you be interested in doing a bit of Chemistry, Biology and Physics as it pertains to space?
- ❑ Do you have a desire to understand what is out there and why it is out there?
- ❑ Then this course is for you.
- ❑ Topics include:
 - ❑ Deep exploration
 - ❑ The nature of science and astronomy
 - ❑ Components of the universe
 - ❑ And so much more!



Maintenance Auto 110

This course is designed for those students who wish to take a general, personal development course relating to automobiles. It fulfills the requirements of students who do not wish to pursue an automotive trade, but who wish to have a general understanding of the proper requirements for responsible vehicle ownership.

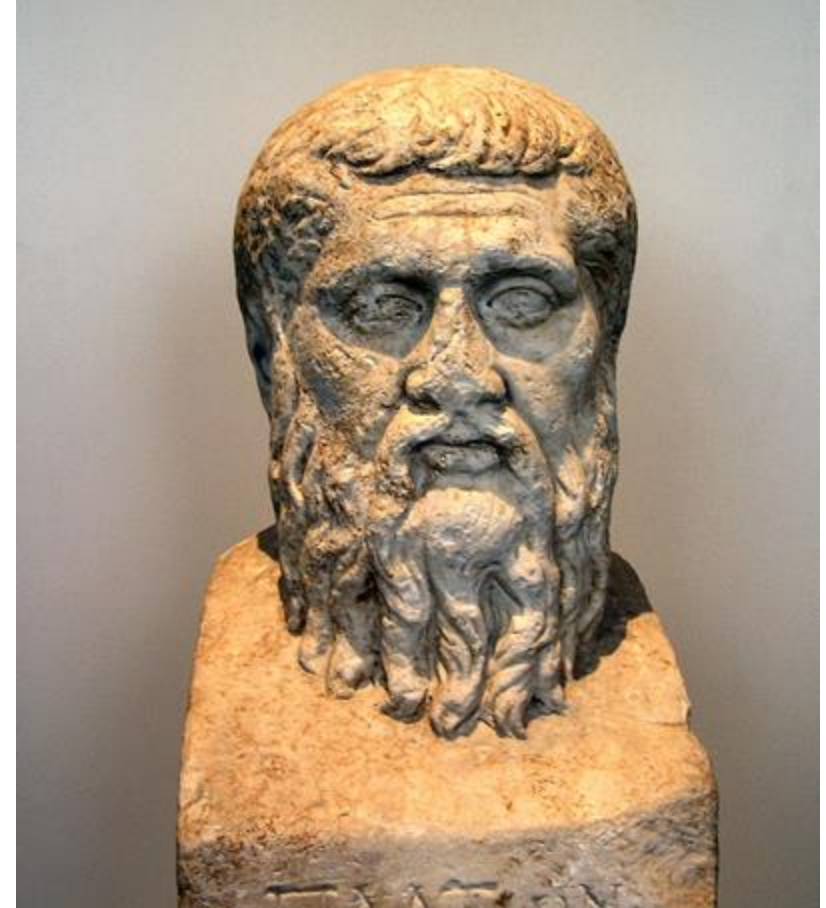


Pathology 120

Pathology 120 focuses on developing an understanding of various diseases that affect the human body and how the body processes those diseases. This course is designed as a continuation of Human Physiology or for students who are interested in learning more about disease. Topics will include epidemiology (parasitic, bacterial, viral, and fungal infections), human response to disease, and genetic disorders.

Philosophy 120

- ❑ We contend that this course is unique in that students will gain a greater appreciation of the notion that what they are learning in the math and science wings of the school inform and inspire what is being learned in art, music, and the social studies: that their learning is connected.
- ❑ We aspire to engage students in such a way as to call upon several areas of study in order to achieve our identified outcomes at the highest possible level.
- ❑ Philosophy 120 is open to all students with a variety of interests and competencies, and because the course is designed around themes and concepts, as opposed to events and more specific content, the 120 Philosophy course provides the opportunity to apply many more of these 'best practices' in a profound way.



Photography 120

Photography 120 gives you the opportunity to sharpen your camera skills and harness your creativity through visual storytelling

Some topics explored include:

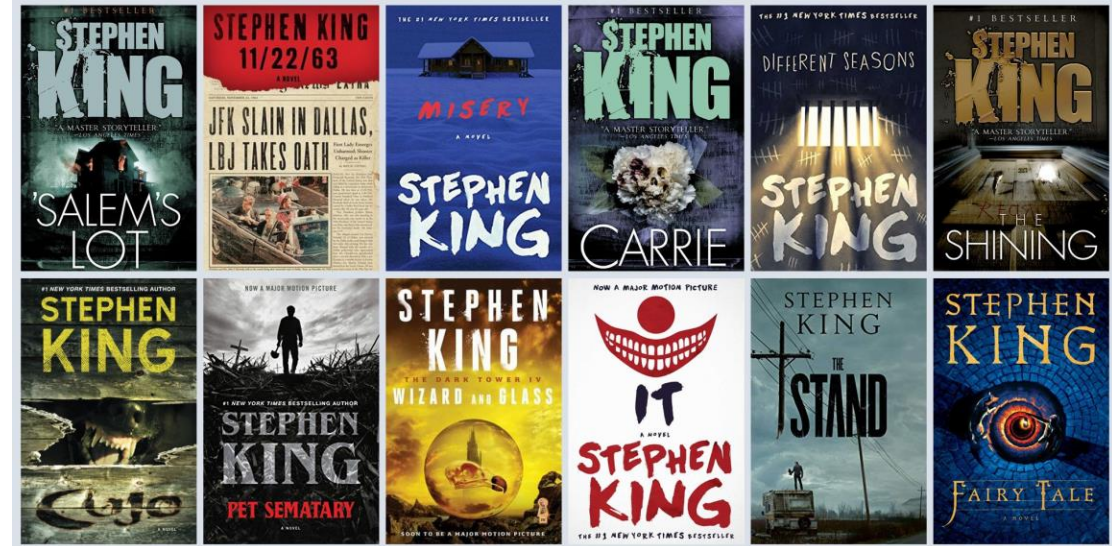
- ❑ Camera Basics
- ❑ Composition Techniques
- ❑ Elements and Principles of Design
- ❑ Film and Digital Techniques
- ❑ Photo Editing Software
- ❑ Analyzing/Critiquing Photographs
- ❑ History of Photography
- ❑ Developing a Portfolio
- ❑ Creating an Exhibit

* Having your own DSLR camera would be an asset but is not required



Stephen King 110

This course design uses a wide range of Stephen King's works to explore themes like resilience, self-identity, friendship, destiny, and the supernatural. By focusing on supernatural and relatable aspects of King's stories, students will develop analytical skills, creative writing abilities, and a deeper understanding of King's thematic diversity.



Strategy in Sport 110

- ❑ **This course offers** students the opportunity to have more physical movement in their day, improve their fitness, and to build teamwork and leadership skills that are transferable beyond sport.
- ❑ *Major Areas of Study:*
 - ❑ **Leadership, Communication, and Coaching**
 - ❑ **Movements through space - Offensive strategy/ Defensive strategy/ Collaboration**
 - ❑ **Being Active- Specific Nutrition**
 - ❑ **Training for Sports/ Healthy Living.**



Idea Centre (in Saint John)



- ❑ The IDEA (Innovation, Development, Entrepreneurship and Action) Centre program, facilitates student learning in the fields of entrepreneurship and community action.
- ❑ This course is a unique leadership opportunity for motivated high school students seeking a challenge and craving the opportunity to take their ideas beyond the walls of the school.
- ❑ The program develops student- led projects with support from local entrepreneurs and social innovators. By connecting to mentors in the private and public sector, the course provides a base from which students can productively receive support and guidance and ultimately grow their ideas into successful ventures.
- ❑ More information can also be found here www.ideacentresj.ca
- ❑ **Application is required.**

Personal Interest Course 1 & 2

Do you have a personal interest that you'd like time in school to explore and extend your learning? This course allows you the opportunity to foster and grow an already existing interest.

AP Seminar (8 Credit Hours - Full Year)

Develop and practice the skills in research, collaboration, and communication that you'll need in any academic discipline. You'll investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

Course Content

Big Idea 1: Question and Explore

Big Idea 2: Understand and Analyze

Big Idea 3: Evaluate Multiple Perspectives

Big Idea 4: Synthesize Ideas

Big Idea 5: Team, Transform, and Transmit



