

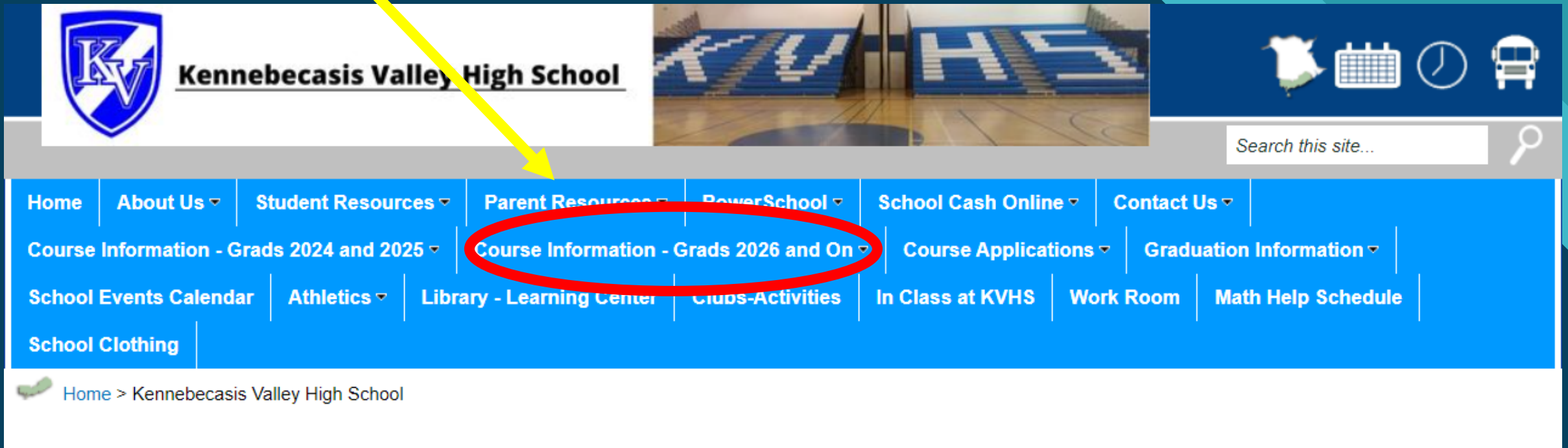
# KVHS Course Viewbook

Graduates of 2026 and beyond.



# KVHS Website

All course information can be found on the KVHS Website under the  
“Courses Information Grads 2026 and On”



The screenshot shows the KVHS website header and navigation menu. The header includes the KVHS logo, the school name "Kennebecasis Valley High School", a photo of the gymnasium, and icons for a map, calendar, clock, and bus. A search bar is located on the right. The navigation menu is a blue bar with white text. The link "Course Information - Grads 2026 and On" is circled in red. A yellow arrow points from the text above to this link.

**KVHS**  
**Kennebecasis Valley High School**

Search this site...

Home | About Us ▾ | Student Resources ▾ | Parent Resources ▾ | PowerSchool ▾ | School Cash Online ▾ | Contact Us ▾ |  
Course Information - Grads 2024 and 2025 ▾ | **Course Information - Grads 2026 and On ▾** | Course Applications ▾ | Graduation Information ▾ |  
School Events Calendar | Athletics ▾ | Library - Learning Center | Clubs-Activities | In Class at KVHS | Work Room | Math Help Schedule |  
School Clothing

Home > Kennebecasis Valley High School

# Table of Contents

Please use CONTROL + f  
to search for specific course  
titles/names



# Important Information





# Graduation Requirements

- To Graduate in New Brunswick, Students Need:
  - A minimum of 100 Credit Hours
  - Each course passed counts as 4 Credit Hours
  - Student Choices must meet the required Credit Hour totals for each cluster (as outline on the course requesting planning sheet/grade requirement check list & in this presentation)
  - Courses cannot be counted in more than one cluster
  - **Courses that are required for graduation and therefore must be passed by all students are:**
    - English Language Arts Grade 10 Foundations
    - English Language Arts Grade 11 Foundations
    - English Language Arts Grade 12 Foundations
    - Post Intensive French 10 OR French Immersion Language Arts 10
    - Civics 10 OR French Immersion Civics 10
    - Geometry Measurement, and Finance 10 OR French Immersion Geometry, Measurement and Finance 10



**\*\*\* Students in French Immersion Require 40 Credit Hours in French \*\*\***

# Course Requesting Planning Sheet/Grad Check List

High School Roadmap Document		
<ul style="list-style-type: none"> <li>Students must pass a minimum of 500 Credit Hours to graduate.</li> <li>Each course passed counts as 4 Credit Hours.</li> <li>Your choices must meet the required Credit Hour totals for each cluster as outlined in column 2.</li> <li>Please note: some courses (in bold) are required for graduation.</li> <li>Students in French Immersion need <u>80</u> credit hours in French.</li> </ul>		
Course Clusters	Req. CrH	Courses (courses cannot be counted to more than one area)
Languages & Literacies	24	<b>Required (16 credit hours):</b> <input checked="" type="checkbox"/> ELA 10 Foundations <input checked="" type="checkbox"/> ELA 11 Foundations <input checked="" type="checkbox"/> FFL 10 OR FFLA 10 <input checked="" type="checkbox"/> ELA 12 Foundations <b>Options (minimum 8 additional credit hours):</b> <input type="checkbox"/> AP English Literature 120 <input type="checkbox"/> FI Media Studies 120 <input type="checkbox"/> Canadian Literature 120 <input type="checkbox"/> Journalism 120 <input type="checkbox"/> ELA 10 Extended (Unbound) <input type="checkbox"/> Media Studies 120 <input type="checkbox"/> ELA 11 Extended (Unbound) <input type="checkbox"/> Post-Intensive French 120 <input type="checkbox"/> ELA 12 Extended (Unbound) <input type="checkbox"/> Post-Intensive French 120 <input type="checkbox"/> FFLA 11 <input type="checkbox"/> Reading Tutor 120 <input type="checkbox"/> FFLA 12 <input type="checkbox"/> Spanish 110 <input type="checkbox"/> FI/FSL Techniques de communication 110 <input type="checkbox"/> Spanish 120 <input type="checkbox"/> FI/FSL Techniques de communication 120 <input type="checkbox"/> Writing 120
Humanities	8	<b>Required (4 credit hours):</b> <input checked="" type="checkbox"/> Civics 10 <input checked="" type="checkbox"/> FI Civics 10 <b>Options (minimum 4 additional credit hours):</b> <input type="checkbox"/> Ancient and Medieval History 112 <input type="checkbox"/> FI Indigenous Studies 120 <input type="checkbox"/> AP European History 120 <input type="checkbox"/> FI Modern History 112 <input type="checkbox"/> AP Human Geography 120 <input type="checkbox"/> FI World Issues 120 <input type="checkbox"/> AP Research 120 (II CrH – full year) <input type="checkbox"/> Indigenous Studies 120 <input type="checkbox"/> AP Seminar 120 (II CrH – full year) <input type="checkbox"/> Law 120 <input type="checkbox"/> AP US History 120 <input type="checkbox"/> Modern History 112/3 <input type="checkbox"/> Canadian Geography 120 <input type="checkbox"/> Political Science 120 <input type="checkbox"/> Canadian History 122 <input type="checkbox"/> Sociology 120 <input type="checkbox"/> Economics 120 <input type="checkbox"/> World Issues 120 <input type="checkbox"/> FI Ancient & Medieval History 112
Mathematics	12	<b>Required (4 credit hours):</b> <input checked="" type="checkbox"/> GMF 10 <input checked="" type="checkbox"/> FI GMF 10 <b>Options (minimum 8 additional credit hours):</b> <input type="checkbox"/> AP Calculus 120 <input type="checkbox"/> Foundations Math 110 <input type="checkbox"/> AP Statistics 120 <input type="checkbox"/> Foundations Math 120 <input type="checkbox"/> Calculus 120 <input type="checkbox"/> NRF 30 <input type="checkbox"/> FI Foundations Math 110 <input type="checkbox"/> NBCC Skilled Trades Math 120 <input type="checkbox"/> Finance & Workplace Math 110 <input type="checkbox"/> Pre-Calculus Math 110 <input type="checkbox"/> Finance & Workplace Math 120 <input type="checkbox"/> Pre-Calculus 120A <input type="checkbox"/> FI NRF 10 <input type="checkbox"/> Pre-Calculus 120B <input type="checkbox"/> FI Pre-Calculus Math 110
Sciences	8	<b>Options:</b> <input type="checkbox"/> Agriculture 110 <input type="checkbox"/> Forestry 110 <input type="checkbox"/> AP Biology 120 <input type="checkbox"/> FI Biology 112 <input type="checkbox"/> AP Chemistry 120 <input type="checkbox"/> FI Science for Sustainable Societies 10-completed in Grade 9 <input type="checkbox"/> AP Physics 120 <input type="checkbox"/> Human Physiology 110 <input type="checkbox"/> Auto Electrical Systems 120 <input type="checkbox"/> Intro to Electronics 110 <input type="checkbox"/> Biology 111/2 <input type="checkbox"/> Intro to Envrto. Science 120 <input type="checkbox"/> Biology 121/2 <input type="checkbox"/> Science for Sustainable Societies 10-completed in Grade 9 <input type="checkbox"/> Chemistry 121/2 <input type="checkbox"/> Physics 111/2 <input type="checkbox"/> Chemistry 111/2 <input type="checkbox"/> Physics 121/2 <input type="checkbox"/> Environmental Geoscience 110

Course Clusters	Req. CrH	Courses (courses cannot be counted to more than one area)
Creative Arts	4	<b>Options:</b> <input type="checkbox"/> Creative Arts 110 <input type="checkbox"/> Media Studies 120 <input type="checkbox"/> Digital Production 120 <input type="checkbox"/> Music 10 <input type="checkbox"/> Dramatic Arts 110 <input type="checkbox"/> Music 111/2 <input type="checkbox"/> Dramatic Arts 120 <input type="checkbox"/> Music 122 <input type="checkbox"/> Fashion Technology and Design 110 <input type="checkbox"/> Visual Arts 10 <input type="checkbox"/> Fashion Technology and Design 120 <input type="checkbox"/> Visual Arts 110 <input type="checkbox"/> Graphic Art & Design 110 <input type="checkbox"/> Visual Arts 120
Wellness & Physical Education	4	<b>Options:</b> <input type="checkbox"/> AP Psychology 120 <input type="checkbox"/> Outdoor Education 110 <input type="checkbox"/> Child Studies 120 <input type="checkbox"/> Physical Education 10 <input type="checkbox"/> Dance 110 <input type="checkbox"/> Psychology 120 <input type="checkbox"/> FI Individual Family Dynamics 120 <input type="checkbox"/> Sport and Recreation Leadership 120 <input type="checkbox"/> Health Care 110 <input type="checkbox"/> Wellness through Physical Ed 110 <input type="checkbox"/> Individual Family Dynamics 120 <input type="checkbox"/> Yoga 110 <input type="checkbox"/> Nutrition for Healthy Living 120
Personal Well-Being Electives	4	<b>Career Options:</b> <input type="checkbox"/> Career Pathway Design 10 <input type="checkbox"/> Coop 120 <b>Information and Communication Technology Options:</b> <input type="checkbox"/> Computer Aided Design 110 <input type="checkbox"/> Digital Production 120 <input type="checkbox"/> Computer Science 110 <input type="checkbox"/> Information Technology 120 <input type="checkbox"/> Computer Science 120 <input type="checkbox"/> Robotics & Automated Process 120 <input type="checkbox"/> Cybersecurity 120 <b>Occupational Options:</b> <input type="checkbox"/> Agriculture 110 <input type="checkbox"/> Fashion Technology and Design 110 <input type="checkbox"/> Business Org. Management 120 <input type="checkbox"/> Fashion Technology and Design 120 <input type="checkbox"/> Develop and Lead 110 <input type="checkbox"/> Hospitality and Tourism 110 <input type="checkbox"/> Early Childhood Services 110 <input type="checkbox"/> Intro to Accounting 120 <input type="checkbox"/> Early Childhood Services 120 <input type="checkbox"/> Marketing 110 <input type="checkbox"/> Entrepreneurship 110 <b>Skilled Trades Options:</b> <input type="checkbox"/> Automotive Electrical Systems 120 <input type="checkbox"/> Metals Fabrication/Welding 110 <input type="checkbox"/> Culinary Technology 110 <input type="checkbox"/> Metals Fabrication/Welding 120 <input type="checkbox"/> Culinary Technology 120 <input type="checkbox"/> Metals Processing 110 <input type="checkbox"/> Electrical Wiring 110 <input type="checkbox"/> Metals Processing 120 <input type="checkbox"/> Electrical Wiring 120 <input type="checkbox"/> Mill and Cabinet Work 120 <input type="checkbox"/> Framing and Sheathing 110 <input type="checkbox"/> Power Train and Chassis 110 <input type="checkbox"/> Intro to Applied Tech 110 <input type="checkbox"/> Tune-up and Emulsion 120 <input type="checkbox"/> Internal Combustion Engines 110 <input type="checkbox"/> Residential Finishing 120
Additional Electives	8	Minimum of 8 additional credit hours from the Personal Well-Being Options above. <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
Core cluster Electives	8	Minimum of 8 additional credit hours from any of the options above (any cluster). <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
Local Option Courses (max. 8 hrs can count toward total)		<input type="checkbox"/> Adulting 120 <input type="checkbox"/> Maintenance of Vehicles 110 <input type="checkbox"/> Astronomy 120 <input type="checkbox"/> Philosophy 120 <input type="checkbox"/> Board Game Design 120 <input type="checkbox"/> Photography 120 <input type="checkbox"/> Children's Literature 120 <input type="checkbox"/> Strategy and Sport 110 <input type="checkbox"/> Gender Studies 120 <input type="checkbox"/> Sport & Society 120 <input type="checkbox"/> Japanese for Beginners 110 <input type="checkbox"/> Yearbook 120

## Courses that require an application:

- COOP 120
- Idea Centre
- Outdoor Education 110
- Personal Interest Course 1 & 2
- Reading Tutor 120
- Sport & Recreation Leadership 120
- Yearbook 120

\*These courses cannot be requested on PowerSchool. You must request 10 other courses and 2 alternates. If you apply and are accepted, they will then be added to your schedule later.

# Planning



- You need to think about the future
- If you have an idea for where you're going, you will pick the right courses from the beginning
- We have had some students realize that they don't have what they need to get into a particular University or Community College program... and have had to upgrade courses after graduation.

# Three Year Planning Sheet



## Course Requests - Planning Sheet

This is a planning sheet only. Plans can change!



Grade 10	Grade 11	Grade 12
1.		1.
2.	2.	2.
3.	3.	3.
4.	4.	4.
5.	5.	5.
6.	6.	6.
7.	7.	7.
8.	8.	8.
9.	9.	9.
10.	10.	10.
Alternates:	Alternates:	Alternates:

## Course Levels

# English



# Course Levels

# Writing



## Course Levels

**Level 1 = University Prep**

**Level 2 = University/College Prep**

**Level 3 = College Prep**

## Course Levels

# Level 0 = One level only

Examples:

### Writing 110:

- Everyone can take this course
- Some 120 courses can count as university admissions electives

### AP Courses:

- AP courses are level 0
- AP means Advanced Placement
- AP courses are university level courses
- Additional information on AP courses can be found at the end of this presentation





## Course Levels

How will you know what level to choose?

Ask your subject teacher & advisory teacher for advice and consider your passion for the subject.

# Course Levels



## Preferred Pathways

### Example:

Visual Arts 110 before Visual Arts 120



# Course Offerings KVHS

# Cluster: Languages and Literacies



- 24 Credit Hours Required for Graduation
- 16 Specific Credit Hours Required for Graduation:
  - English Language Arts 10 Foundations
  - English Language Arts 11 Foundations
  - English Language Arts 12 Foundations
  - Post Intensive French 10 OR French Immersion Language Arts 10

# Cluster: Languages and Literacies

Languages & Literacies	24	Required (16 credit hours):	
		✓ ELA 10 Foundations ✓ PIF 10 <u>OR</u> FILA 10	✓ ELA 11 Foundations ✓ ELA 12 Foundations
		Options (minimum 8 additional credit hours):	
		<input type="checkbox"/> AP English Literature 120	<input type="checkbox"/> FI Media Studies 120
		<input type="checkbox"/> Canadian Literature 120	<input type="checkbox"/> Journalism 120
		<input type="checkbox"/> ELA 10 Extended (Unbound)	<input type="checkbox"/> Media Studies 120
		<input type="checkbox"/> ELA 11 Extended (Unbound)	<input type="checkbox"/> Post Intensive French 110
		<input type="checkbox"/> ELA 12 Extended (Unbound)	<input type="checkbox"/> Post Intensive French 120
		<input type="checkbox"/> FILA 11	<input type="checkbox"/> Reading Tutor 120
		<input type="checkbox"/> FILA 12	<input type="checkbox"/> Spanish 110
		<input type="checkbox"/> FI/FSL Techniques de communication 110	<input type="checkbox"/> Spanish 120
		<input type="checkbox"/> FI/FSL Techniques de communication 120	<input type="checkbox"/> Writing 110

# AP English Literature 120

Learn how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. You'll read literary works and write essays to explain and support your analysis of them.

## **Course Content:**

Unit 1: Short Fiction I

Unit 2: Poetry I

Unit 3: Longer Fiction or Drama I

Unit 4: Short Fiction II

Unit 5: Poetry II

Unit 6: Longer Fiction or Drama II

Unit 7: Short Fiction III

Unit 8: Poetry III

Unit 9: Longer Fiction or Drama III

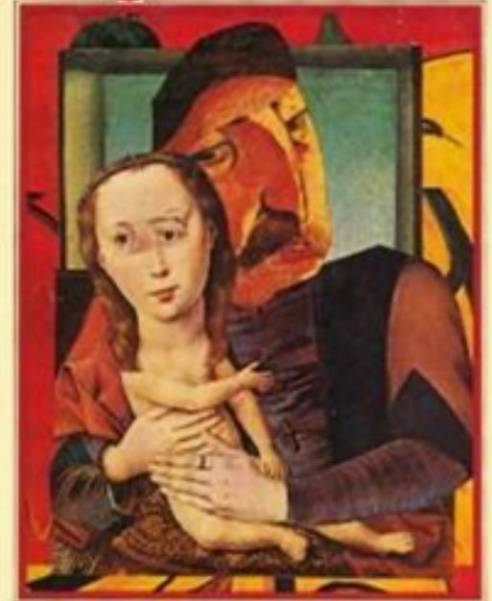


# Canadian Literature 120

This course focuses on reading a variety of different genres from Canadian writers and how these writers help create a Canadian identity.

Genres include prose, drama, poetry, film, music and radio

Margaret Atwood



The

# English Language Arts 10, 11 & 12 - Extended (Unbound)

- 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.



# French Immersion & French as a Second Language -Techniques de communication orale 110 & 120

- A practical course that is designed to increase learner confidence when speaking and interacting through the authentic use of the French language.
- While it contains elements of reading and viewing , as well as writing , the primary purpose of the course is to promote the development of oral competencies .
- These skills include oral comprehension (listening), oral production (self-expression), and oral interaction (taking part in conversation).
- Techniques de communication orale 120 is intended for both FI and Prime students.



# Journalism 120

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Students will study print and electronic journalism.

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

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This is an English Language Arts elective and as such students should have good reading and writing skills.





# Media Studies 120 & French Immersion Media Studies 120

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

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

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



# Post Intensive French 110 & 120

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

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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!

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



# Reading Tutor 120

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**Future Teachers!**

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**Senior student tutors are paired with younger struggling readers**

---

**Tutors will be introduced to techniques and methods for teaching reading and writing strategies**

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**Application required.**



# Spanish 110 & 120

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

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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

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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.





# Cluster: Humanities



- 8 Credit Hours Required for Graduation
- 4 Specific Credit Hours Required for Graduation:
  - Civics 10 OR French Immersion Civics 10

		Required (4 credit hours):	
		✓ Civics 10	✓ FI Civics 10
Humanities	8	<u>OR</u>	
		Options (minimum 4 additional credit hours):	
		<input type="checkbox"/> Ancient and Medieval History 112	<input type="checkbox"/> FI Indigenous Studies 120
		<input type="checkbox"/> AP European History 120	<input type="checkbox"/> FI Modern History 112
		<input type="checkbox"/> AP Human Geography 120	<input type="checkbox"/> FI World Issues 120
		<input type="checkbox"/> AP Research 120 (8 CrH – full year)	<input type="checkbox"/> Indigenous Studies 120
		<input type="checkbox"/> AP Seminar 120 (8 CrH – full year)	<input type="checkbox"/> Law 120
		<input type="checkbox"/> AP US History 120	<input type="checkbox"/> Modern History 112/3
		<input type="checkbox"/> Canadian Geography 120	<input type="checkbox"/> Political Science 120
		<input type="checkbox"/> Canadian History 122	<input type="checkbox"/> Sociology 120
		<input type="checkbox"/> Economics 120	<input type="checkbox"/> World Issues 120
		<input type="checkbox"/> FI Ancient & Medieval History 112	

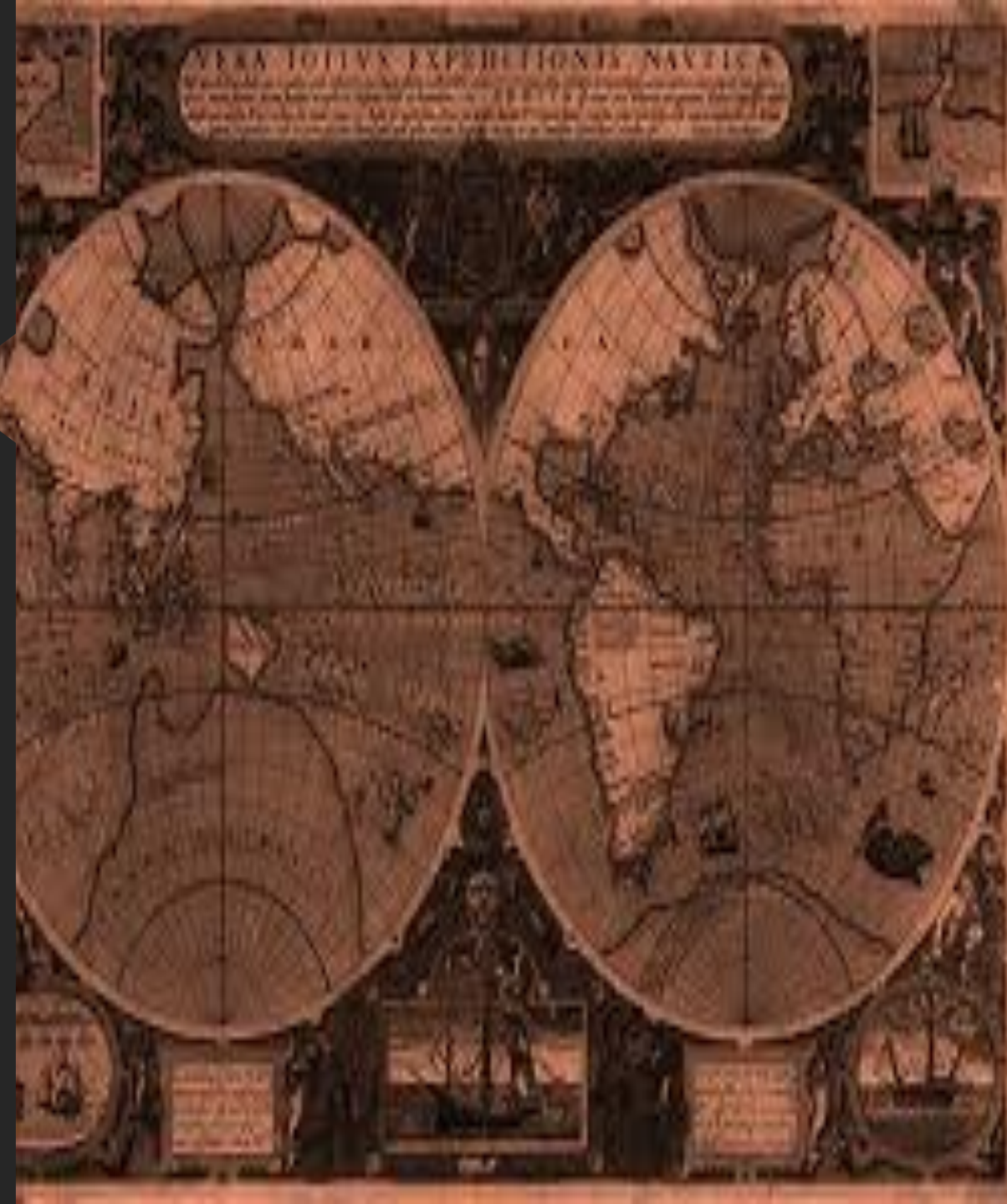
# Ancient and Medieval History 112 & French Immersion Ancient and Medieval History 112

- 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.



# AP European History 120

- AP European History is an introductory college-level European history course.
- Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.





# AP Human Geography 120

- **This class studies the interaction between people and the land where we live.**
- **Examples of themes:**
  - **Migration**
  - **Population**
  - **Language**
  - **Religion**
  - **Ethnic diversity**
  - **Economics**
  - **Cities**
  - **Political Geography**
  - **Human impact on the environment**
- **Perfect first AP class starting as early as grade 10.**



# AP Research 120 (8 Credit Hours- Full Year)

- **AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question.**



# 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





# AP US History 120

- Study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

## Course Content

**Unit 1: Period 1: 1491–1607**

**Unit 2: Period 2: 1607–1754**

**Unit 3: Period 3: 1754–1800**

**Unit 4: Period 4: 1800–1848**

**Unit 5: Period 5: 1844–1877**

**Unit 6: Period 6: 1865–1898**

**Unit 7: Period 7: 1890–1945**

**Unit 8: Period 8: 1945–1980**

**Unit 9: Period 9: 1980–Present**



# Canadian Geography 120

- **An introductory course on the economic and social geography of Canada.**
- **The course is designed to introduce Canada, its landforms and climate, and how these have related to our patterns of settlement and the development of our economic base.**
- **It is a study of the ever-changing cultural and physical landscapes of Canada and how they impact on each other.**
- **This course examines physical systems and how they interrelate with man-made systems and structures.**





# Canadian History 122

- This course involves the history of Canada from “Confederation” to modern day Canada. The course is covered by
- A topical approach, such as Confederation, the building of railways, the natives, gold, Canada at war, FLQ, and
- Foreign Policy, etc. Topics will be covered through lectures, readings, films, and guest speakers.



# 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.





# Indigenous Studies 120 & French Immersion Indigenous Studies

- This course primarily designed to promote understanding of Mi'kmaq and Wolastoqiyik perspectives on life in the Maritime Provinces.
- Past, present and future implications are explored through an often intersectional and interdisciplinary approach that looks at elements such as land, language, sport, story, sovereignty, and various artistic forms.
- Awareness is also enhanced by evaluating Indigenous contexts within the National and Global spheres.
- Aboriginal pedagogical (teaching and learning) styles are also acknowledged and incorporated to develop both analytical and intuitive capacities in students.



# 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 & French Immersion 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.





# World Issues 120 & French Immersion World Issues 120

Students will examine the global challenges of building a sustainable and equitable future, focusing on current issues that demonstrate these challenges. Students will investigate a range of topics relevant at the time of study. The course provides opportunity for student choice within the themes of “humanity,” “interdependence,” and “geopolitics.”

## Topics Include:

- Child soldiers
- Indigenous Rights around the World
- Justice and Human Rights
- How do people live?
- How are we connected ?
- Human Trafficking
- Women Rights
- Globalization
- Food security
- Global conflicts



# Cluster: Mathematics



- 12 Credit Hours Required for Graduation
- 4 Specific Credit Hours Required for Graduation:
  - Geometry Measurement and Finance 10 OR French Immersion Geometry Measurement and Finance

		Required (4 credit hours):	
		✓ GMF 10	✓ FI GMF 10
Mathematics	12	Options (minimum 8 additional credit hours):	
		<input type="checkbox"/> AP Calculus 120	<input type="checkbox"/> Foundations Math 110
		<input type="checkbox"/> AP Statistics 120	<input type="checkbox"/> Foundations Math 120
		<input type="checkbox"/> Calculus 120	<input type="checkbox"/> NRF 10
		<input type="checkbox"/> FI Foundations Math 110	<input type="checkbox"/> NBCC Skilled Trades Math 120
		<input type="checkbox"/> Finance & Workplace Math 110	<input type="checkbox"/> Pre-Calculus Math 110
		<input type="checkbox"/> Finance & Workplace Math 120	<input type="checkbox"/> Pre-Calculus 120A
		<input type="checkbox"/> FI NRF 10	<input type="checkbox"/> Pre-Calculus 120B
		<input type="checkbox"/> FI Pre-Calculus Math 110	

# Math Pathways

## Straight to Graduation

- Grade 9 A
- Grade 9 B
- Geometry, Measurement and Finance 10
- Financial and Workplace Math 110
- Financial and Workplace Math 120 or NBCC Skilled Trades Math 120

## Graduation PLUS

- Grade 9 A
- Grade 9 B
- Geometry, Measurement and Finance 10
- Numbers Relations and Functions 10
- Foundations Math 110
- Foundations Math 120

## Graduation and keeping my options open!

- Grade 9 A
- Grade 9 B
- Geometry, Measurement and Finance 10
- Numbers Relations and Functions 10
- Foundations Math 110
- Pre-Calculus 110
- Pre-Calculus A 120
- Pre-Calculus B 120
- Calculus 120
- AP Calculus
- AP Statistics

# Math Pathways... More Information

## Math Options

To graduate, all students need 2 math classes, in addition to Geometry, Measure and Finance 10.

### Finance and Workplace Pathway

This pathway is organized for students who plan to take post-secondary programs that require applied mathematics, such as some community college programs, a Bachelor of Arts, or who plan to enter the workforce directly after high school.

Grade 10, 11 & 12
<ul style="list-style-type: none"><li><input type="checkbox"/> Geometry, Measurement and Finance 10</li><li><input type="checkbox"/> Financial and Workplace Math 110</li><li><input type="checkbox"/> Financial and Workplace Math 120 <u>or</u> NBCC Skilled Trades and Work Ready Math 120</li></ul>

# Math Pathways... More Information

## Foundations Pathway

This pathway is organized for students who plan to take post-secondary academic programs that do not require calculus. This will satisfy entrance requirements for some community college and university programs such as a Bachelor of Arts, and some Bachelor of Commerce programs.

Grade 10, 11 & 12
<ul style="list-style-type: none"><li><input type="checkbox"/> Geometry, Measurement and Finance 10</li><li><input type="checkbox"/> Numbers Relations and Functions 10</li><li><input type="checkbox"/> Foundations Math 110</li><li><input type="checkbox"/> Foundations Math 120</li></ul>



# Math Pathways... More Information

## Pre-Calculus Pathway

This pathway is organized for students who plan to take post-secondary programs that require calculus. This will satisfy entrance requirements for university programs such as a Bachelor of Science and Engineering.

Grade 10, 11 & 12
<ul style="list-style-type: none"><li><input type="checkbox"/> Geometry, Measurement and Finance 10</li><li><input type="checkbox"/> Numbers Relations and Functions 10</li><li><input type="checkbox"/> Foundations Math 110</li><li><input type="checkbox"/> Pre-Calculus 110</li><li><input type="checkbox"/> Pre-Calculus A 120</li><li><input type="checkbox"/> Pre-Calculus B 120</li><li><input type="checkbox"/> Calculus 120</li></ul>

# Math Pathways... More Information

## AP Calculus Pathway

Are you the kind of student who:

- ☐ is highly motivated?
- ☐ loves math?
- ☐ enjoys a challenge?
- ☐ wants to explore math concepts at a deeper level?

You might be interested in taking **Advanced Placement Calculus 120** in your grade 12 year!

AP Calculus is a university calculus course. At the end of the course students write an external exam which may give them credit at some universities.

Grade 10	Grade 11	Grade 12
Three courses will be taught over semester 1 and 2. <ul style="list-style-type: none"><li><input type="checkbox"/> Geometry, Measure and Finance 10</li><li><input type="checkbox"/> Numbers, Relations, and Functions 10</li><li><input type="checkbox"/> Foundations 11</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> Pre-Calculus 110 (semester 1)</li><li><input type="checkbox"/> Pre-Calculus 12A and Pre-Calculus 12B will be taken concurrently (semester 2)</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> Calculus 12O (semester 1)</li><li><input type="checkbox"/> Calculus AP (semester 2)</li></ul>



# AP Calculus 120

Explore the concepts, methods, and applications of differential and integral calculus. You'll work to understand the theoretical basis and solve problems by applying your knowledge and skills.

## Course Content:

# Unit 1: Limits and Continuity

## Unit 2: Differentiation: Definition and Fundamental Properties

# Unit 3: Differentiation: Composite, Implicit, and Inverse Functions

## Unit 4: Contextual Applications of Differentiation

## Unit 5: Analytical Applications of Differentiation

## Unit 6: Integration and Accumulation of Change

# Unit 7: Differential Equations

## Unit 8: Applications of Integration

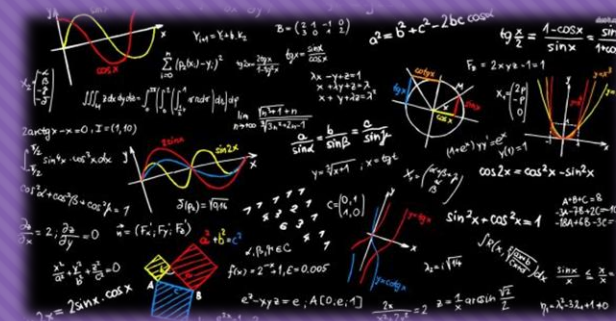


# AP Statistics 120

**AP Statistics is an introductory college level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.**



# Calculus 120



This course will prepare a student for university Calculus by building a strong foundation in the basics required to study calculus.

This is it, you made it. *Hold on tight.*

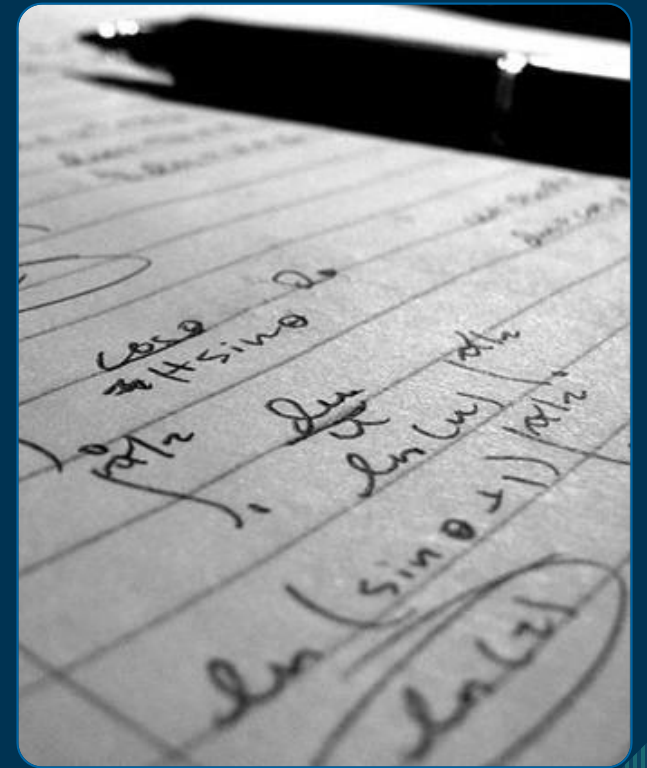
Topics include:

- Pre calculus review
- Limits
- Definition of derivative
- Differentiation rules for sums/differences
- Products and quotients
- Chain rule
- Implicit differentiation
- Derivatives of trig functions
- Logarithmic and exponential functions
- Mean Value Theorem
- Related rates
- Optimization problems
- Graphing
- Integrals of increase/decrease
- Concavity
- Critical points
- Inflection points and so much more!



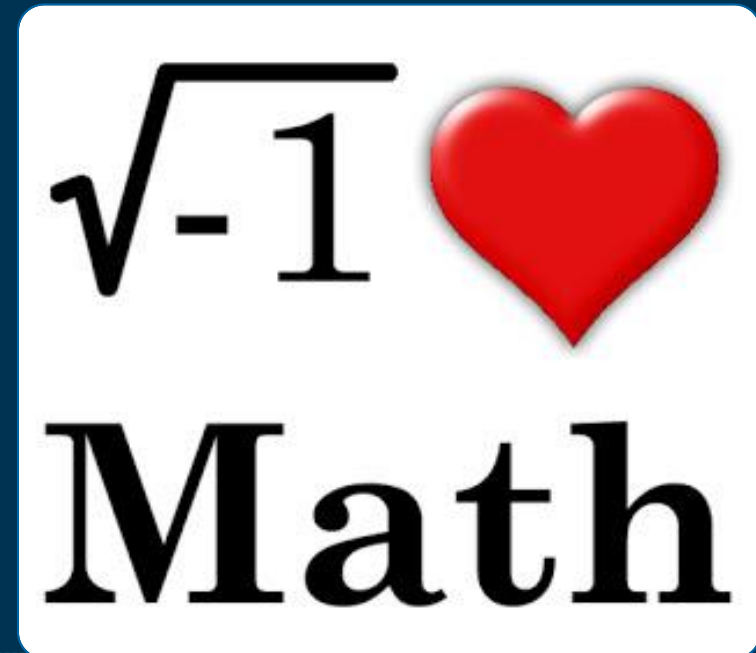
# Finance and Workplace Math 110

- This course is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into some college programs and for direct entry into the workforce.
- The aim of this course is to develop spatial sense through direct and indirect measurement, number sense and critical thinking skills, algebraic and statistical reasoning and critical thinking skills related to uncertainty.



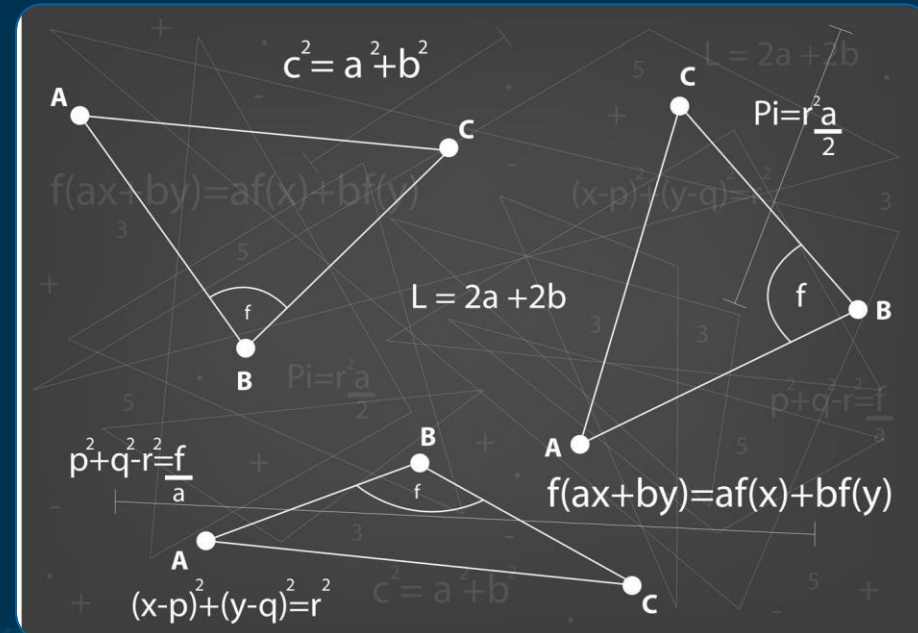
# Finance and Workplace Math 120

- **Good choice for students entering the trades.**
- **Course content includes:**
  - Measurement
  - Geometry
  - Linear Relations
  - Statistics
  - Probability



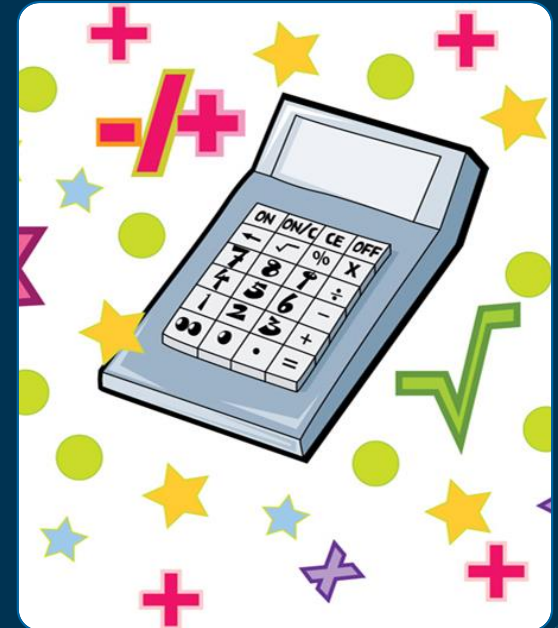
# Foundations 110 & French Immersion Foundations 110

- This is a one semester course designed for students who are interested in attending university or certain programs in college.
- Topics Include:
  - Proportional reasoning
  - Logical reasoning
  - Geometry
  - Linear Systems
  - Quadratics
  - Financial mathematics



# Foundations 120

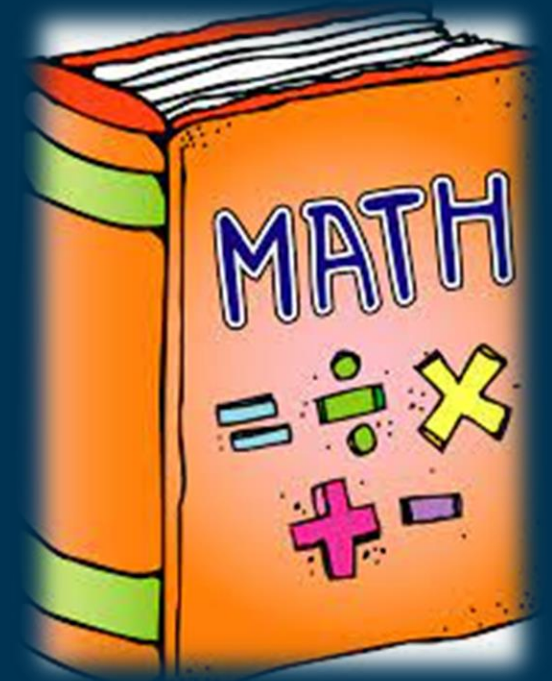
- Can be taken in place of Pre-Calculus 110 for admissions into some Nursing Programs at University
- Is an admissions requirement for most Business programs in Nova Scotia
- Is a good option for an upper-level math course
- Course Content Includes:
  - Probability
  - Statistics
  - Polynomial Functions





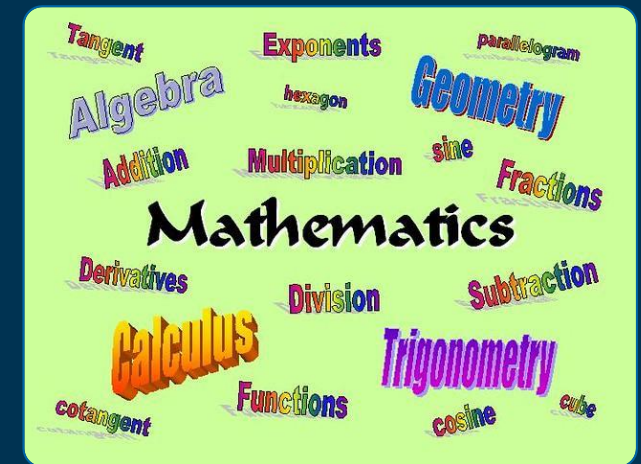
# Numbers, Relations & Functions 10 & French Immersion Numbers, Relations & Functions 10

- Numbers, Relations and Functions 10 is a one semester course designed to teach students the skills necessary to move into the foundations or pre-calculus pathway. Students will build upon previous knowledge of exponents, polynomials, square and cube roots, and linear relations. They will also be introduced to new topics such as factoring, domain and range, representing and identifying functions as well as graphing linear equations.



# NBCC Skills Trade Work Ready Math 120

- This is a one semester course designed for students who are interested in attending one of the trades programs at NBCC.
- Such as:
  - Bricklaying, carpentry, Electrical: Construction, Electrical: Industrial, Fuels Technician, HVAC: Sheet Metal Fabrication, Industrial Mechanics, Mechanical Technical, Plumbing, Refrigeration and Air Conditioning, Steam fitting/Pipefitting.
  - CNC Machining, Machinist, Steel Fabrication, Welding, Welding and Metal Fabrication, Welding Technology.
  - Agricultural Equipment Repair, Auto Body and Collision Technical, Automotive Service Technical, Automotive Technology, Heavy Equipment Service Technician, Marine Diesel Mechanics, Motorcycle Repair, Truck and Transport Service Technician.



# Pre-Calculus 110 & French Immersion Pre-Calculus 110

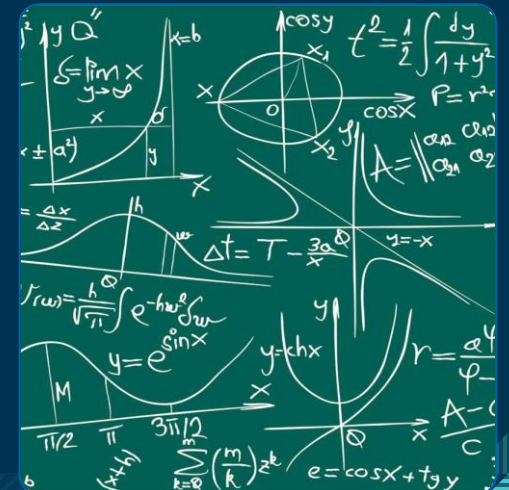
- This course is designed for students who are interested in attending university or community college and taking post-secondary programs that require mathematics.
- Specifically, this pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of calculus.
- Course Content Includes:
  - Quadratic Functions
  - Quadratic Equations
  - Quadratic Systems
  - Quadratic Inequalities
  - Absolute Value Functions
  - Radicals
  - Rational
  - Catesian Trigonometry





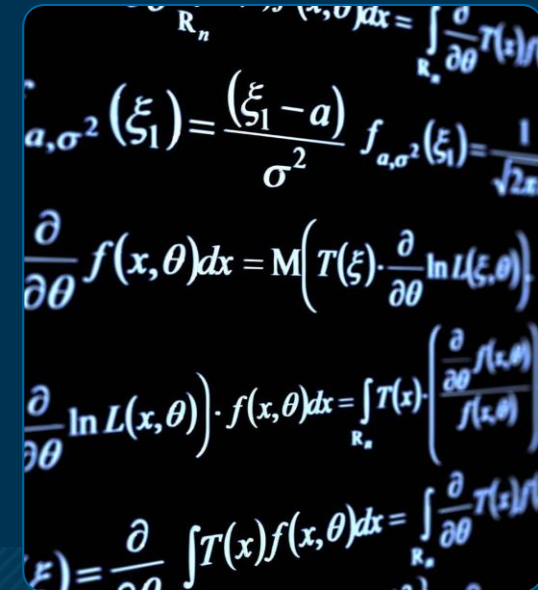
# Pre-Calculus A 120

- This course is required for most science, business and engineering degrees
- This course intends to prepare students for the study of Calculus by developing an understanding of transcendental functions, both algebraically and graphically.
- Topics Include
  - Transformations
  - Radical functions
  - Exponential and logarithmic functions
  - Solving and graphing trigonometric functions
  - Trigonometric identities



# Pre-Calculus 120 B

- This course is required for most science, business and engineering degrees
- This course intends to prepare 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.
- Topics Include:
  - Combinatorics
  - Sequences and series
  - Polynomial functions
  - Graphing rational functions
  - Function combinations and compositions
  - Limits


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



# Cluster: Sciences



## • 8 Credit Hours Required for Graduation

Sciences	8	<b>Options</b>	
		<input type="checkbox"/> Agriculture 110 <input type="checkbox"/> AP Biology 120 <input type="checkbox"/> AP Chemistry 120 <input type="checkbox"/> AP Physics 120 <input type="checkbox"/> Auto Electrical Systems 120 <input type="checkbox"/> Biology 111/2 <input type="checkbox"/> Biology 121/2 <input type="checkbox"/> Chemistry 121/2 <input type="checkbox"/> Chemistry 111/2 <input type="checkbox"/> Environmental Geoscience 110	<input type="checkbox"/> Forestry 110 <input type="checkbox"/> FI Biology 112 <input type="checkbox"/> FI Science for Sustainable Societies 10 <input type="checkbox"/> Human Physiology 110 <input type="checkbox"/> Intro to Electronics 110 <input type="checkbox"/> Intro to Enviro. Science 120 <input type="checkbox"/> Science for Sustainable Societies 10 <input type="checkbox"/> Physics 111/2 <input type="checkbox"/> Physics 121/2

# Agriculture 110

- **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 120

**Study the core scientific principles, theories, and processes that govern living organisms and biological systems. You'll do hands-on laboratory work to investigate natural phenomena.**

## **Course Content**

- **Unit 1: Chemistry of Life**
- **Unit 2: Cell Structure and Function**
- **Unit 3: Cellular Energetics**
- **Unit 4: Cell Communication and Cell Cycle**
- **Unit 5: Heredity**
- **Unit 6: Gene Expression and Regulation**
- **Unit 7: Natural Selection**
- **Unit 8: Ecology**



# 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**



# Automotive Electrical Systems 120

- Automotive Electrical Systems 120 falls within both the science cluster of courses and the career-connected cluster.
- Prerequisite: Internal Combustion Engines 110
- This course introduces the student to the theory and operation of basic electrical systems. It covers electron
- theory, electric circuits, circuit protection, switching devices and magnetism. These are related to the operation
- and service of batteries, starting motors, alternators and ignition systems.

# Biology 112, 111& French Immersion 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, 111 & 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.

# Environmental Geoscience 110

**Geoscience is the study of planet Earth. It is interdisciplinary – drawing upon many other fields of study, including other sciences and geography.**

## **Learners will**

- Explore how Earth systems change over time
- Ask and answer questions about the planet
- Explore career options in geoscience fields
- Explore sustainable practices related to human interactions with the physical planet
- Explore cultural values in relationship to place
- Collect and analyze spatial positioning and geographic data
- Develop and carry out a field project



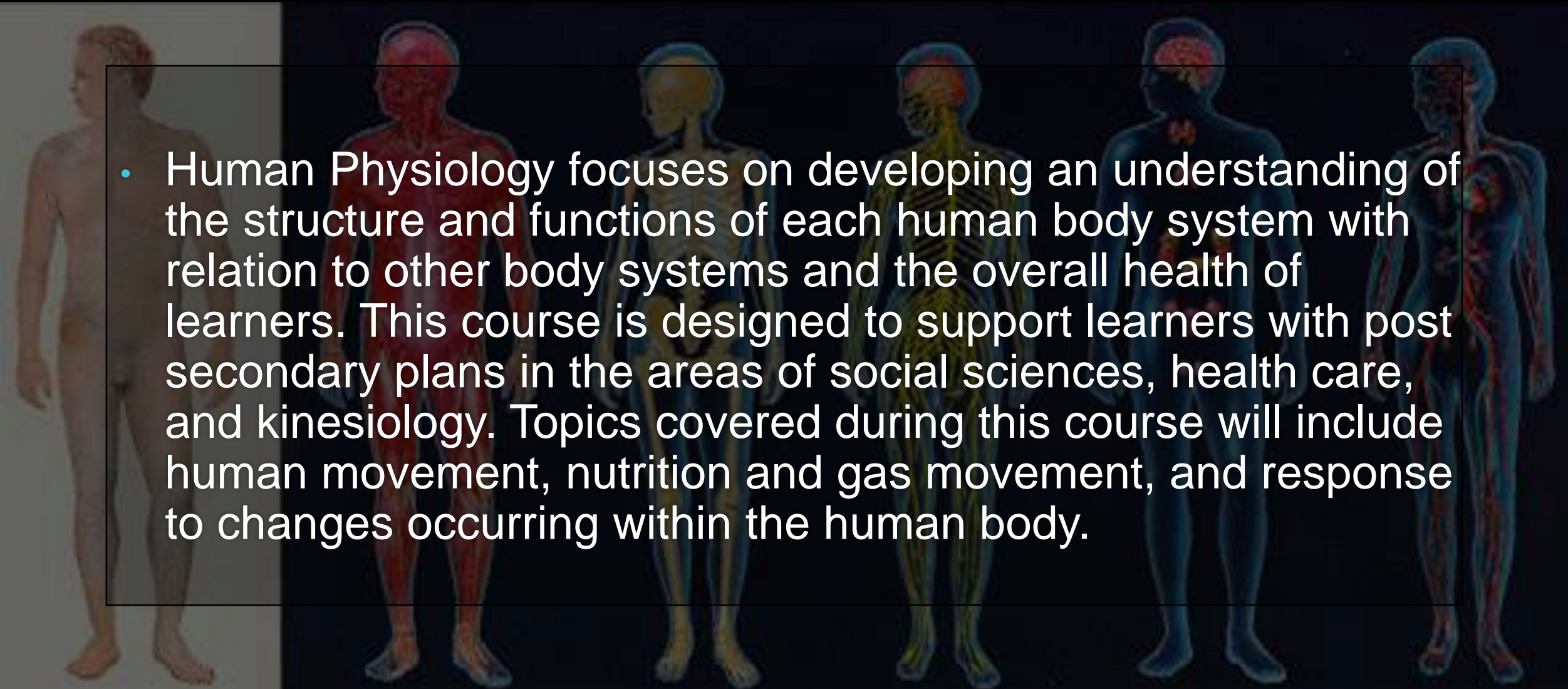
# Forestry 110

- **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 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. This course is designed to support learners with post secondary plans in the areas of social sciences, health care, and kinesiology. Topics covered during this course will include human movement, nutrition and gas movement, and response to changes occurring within the human body.





# Pathology120

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.



# 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!



# Introduction to 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 & French Immersion 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 111, 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.**

# Cluster: Personal Well-Being Electives



- **20 Credit Hours Required for Graduation**
  - 4 Credit Hours required from Creative Arts
  - 4 Credit Hours required from Wellness & Physical Education
  - 4 Credit Hours required from Career-Connections
  - **8 Additional Credit Hours required from any of the above categories**



# Cluster: Personal Well-Being Electives : Creative Arts

- 4 Credit Hours Required for Graduation



Creative Arts	4	Options	
		<input type="checkbox"/> Creative Arts 110	<input type="checkbox"/> Media Studies 120
		<input type="checkbox"/> Digital Production 120	<input type="checkbox"/> Music 10
		<input type="checkbox"/> Dramatic Arts 110	<input type="checkbox"/> Music 111/2
		<input type="checkbox"/> Dramatic Arts 120	<input type="checkbox"/> Music 122
		<input type="checkbox"/> Fashion Technology and Design 110	<input type="checkbox"/> Visual Arts 10
		<input type="checkbox"/> Fashion Technology and Design 120	<input type="checkbox"/> Visual Arts 110
		<input type="checkbox"/> Graphic Art & Design 110	<input type="checkbox"/> Visual Arts 120

# Creative Arts 110

- ❖ This is an Art Appreciation course where students will explore pieces of Visual Art, Music, and Drama from the 20th century. Students will learn how artists are affected by and reflect the worlds that they live in by researching, collecting, and discussing a variety of artists, their work, and the events occurring around them. Students will also learn how to talk intelligently and with confidence about art by using the appropriate terminologies and language connected to it. Background experience in at least one of the art disciplines would be helpful to students, but it is not essential.



# Digital Production 120

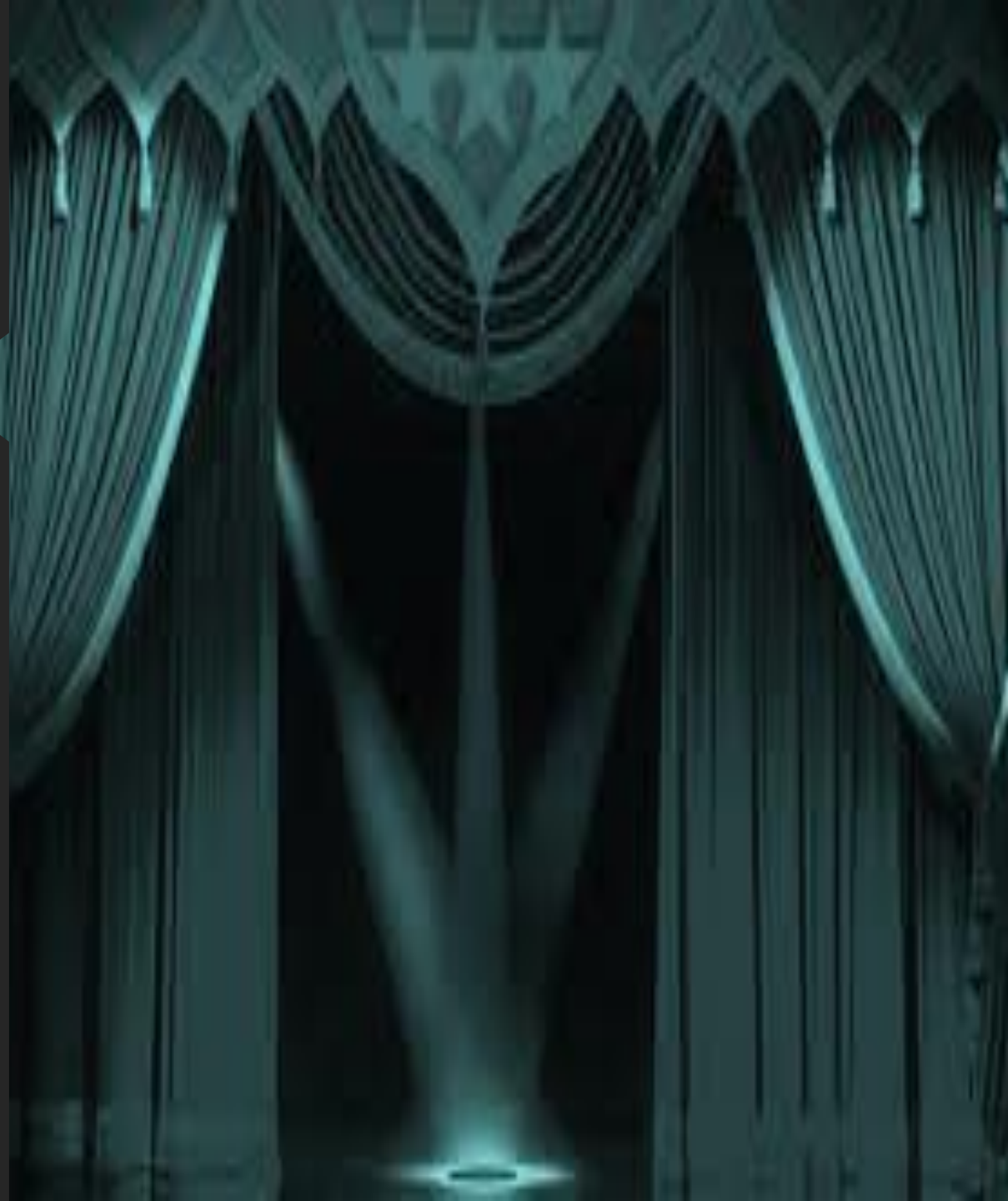
- ❖ **Digital Production 120 offers students opportunities to produce different forms of media including websites, digital imaging, audio and video production. Students will also explore ethical issues surrounding media production and consumption, copyright and the appropriate use of copyrighted materials. Students will have flexibility in software selection, including a variety of open-source software, to complete required assignments and projects.**





# Dramatic Arts 110 & 120

- ❖ 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



# Fashion Technology Design 110 & 120

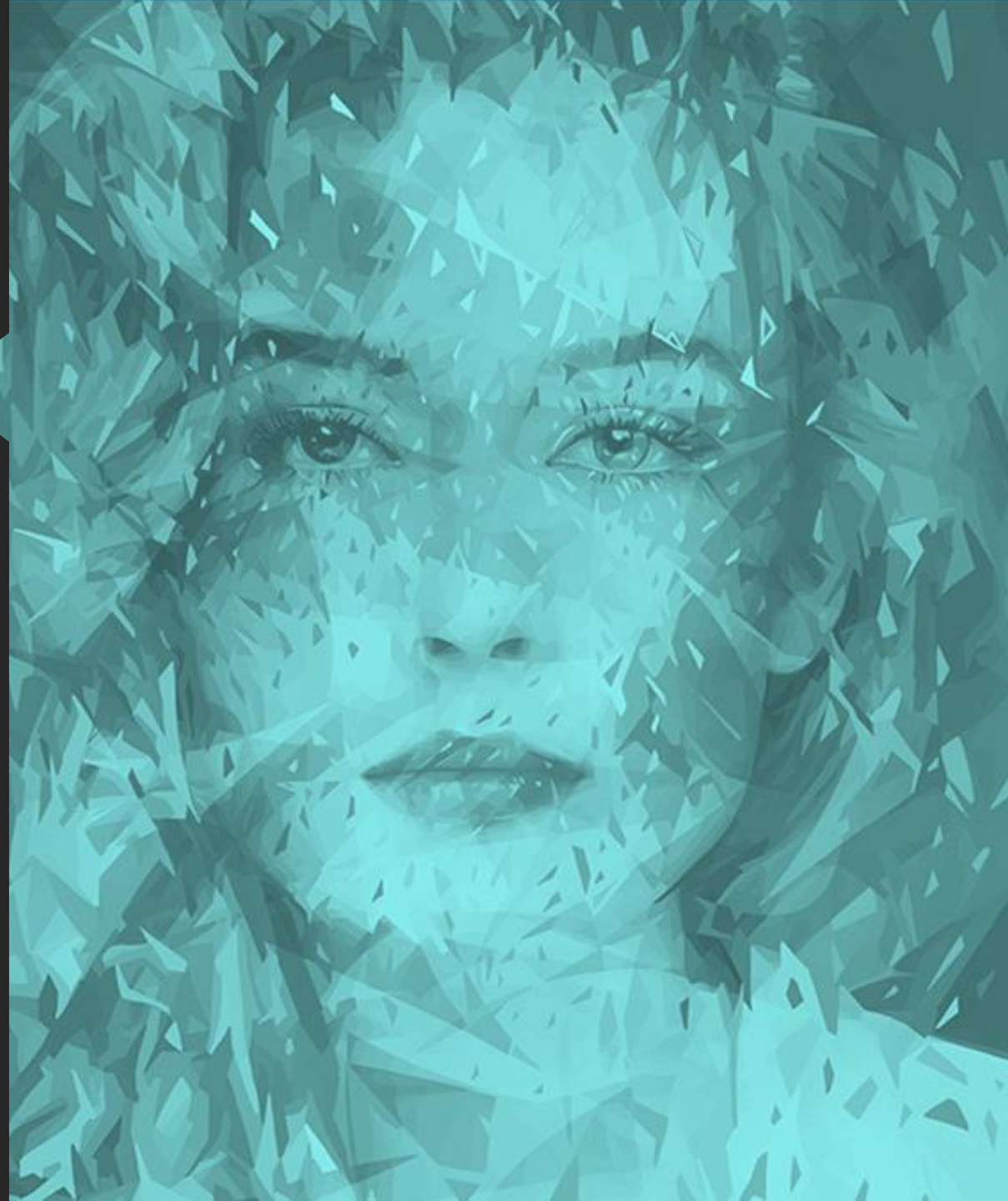
- ❖ An in-depth study of fashion and the fashion industry.
- ❖ If you are interested in a career in the apparel industry in any capacity, this course is for you!
- ❖ Topics include:
  - ❖ Psychosocial aspects of clothing
  - ❖ History of fashion
  - ❖ The application of design elements and principles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





# 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





# Media Studies 120 & French Immersion Media Studies 120

- ❖ Students will study all facets of the media including television, film, internet and social media.
- ❖ This is an English Language Arts 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.



# Music 10 & 111/112

- ❖ 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.



# Music 122

- ❖ Music 122 is designed for the advanced and/or serious student of music.
- ❖ Included are the following topics: technical/performance skills, theory and composition, Canadian music history,
- ❖ Canadian music industry careers and music criticism.
- ❖ The course assumes an interest in improving upon and expanding areas of musical knowledge and expertise.





# 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.



# Cluster: Personal Well-Being Electives : Wellness & Physical Education

## • 4 Credit Hours Required for Graduation



Wellness & Physical Education	4	<b>Options</b>	
		<input type="checkbox"/> AP Psychology 120 <input type="checkbox"/> Child Studies 120 <input type="checkbox"/> Dance 110 <input type="checkbox"/> FI Individual Family Dynamics 120 <input type="checkbox"/> Health Care 110 <input type="checkbox"/> Individual Family Dynamics 120 <input type="checkbox"/> Nutrition for Healthy Living 120	<input type="checkbox"/> Outdoor Education 110 <input type="checkbox"/> Physical Education 10 <input type="checkbox"/> Psychology 120 <input type="checkbox"/> Sport and Recreation Leadership 120 <input type="checkbox"/> Wellness through Physical Ed 110 <input type="checkbox"/> Yoga 110

# AP Psychology



**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



# Child Studies 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 pose, with one leg raised high and arms extended, set against a light gray background.

- ❖ **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 & French Immersion 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).

# 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

- ❖ 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.
- ❖ **Application is required**

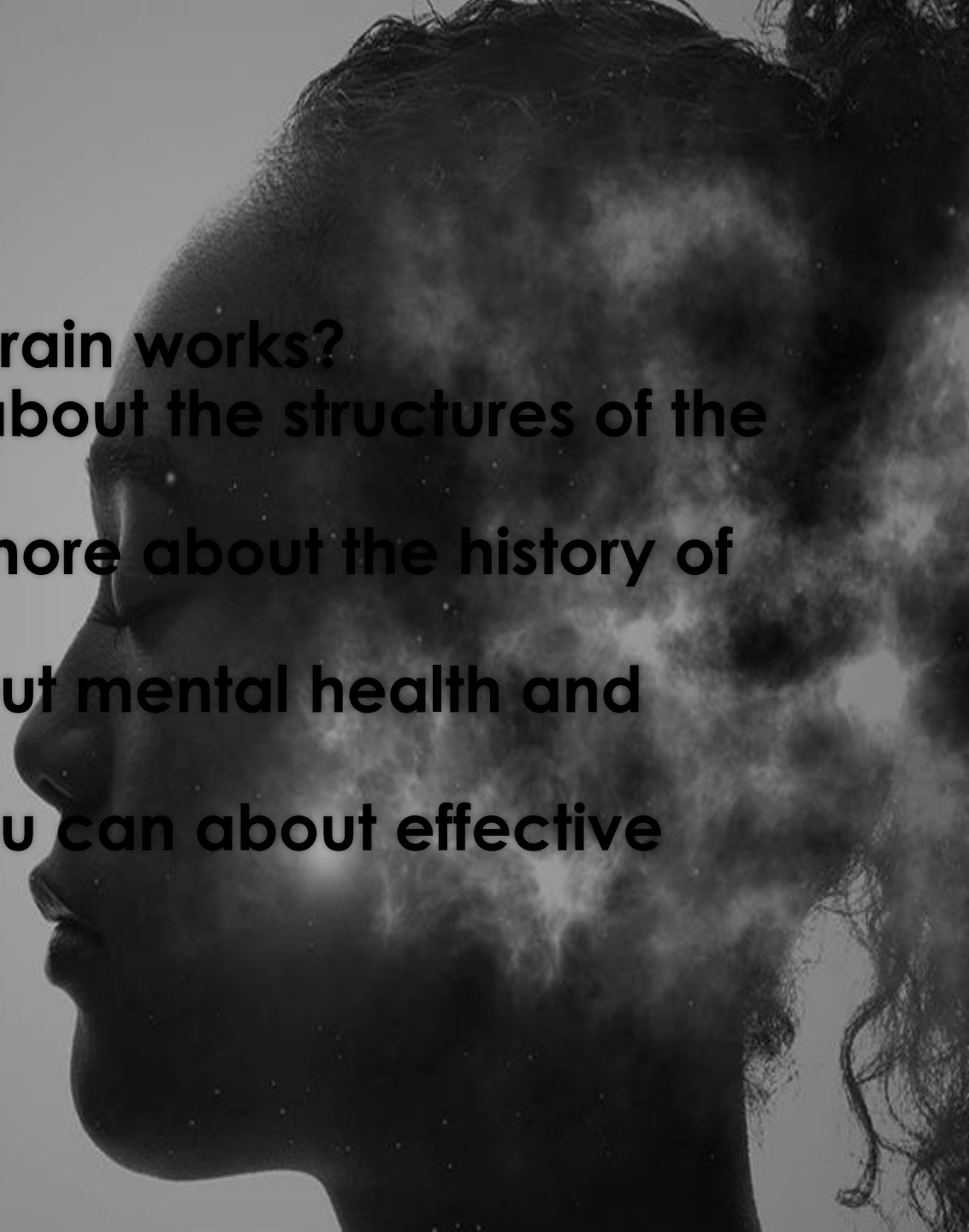


# Physical Education 10

- ❖ 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 120

- ❖ 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!



# Sport & Recreation Leadership 120 & French Immersion 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!
- ❖ **Application required**

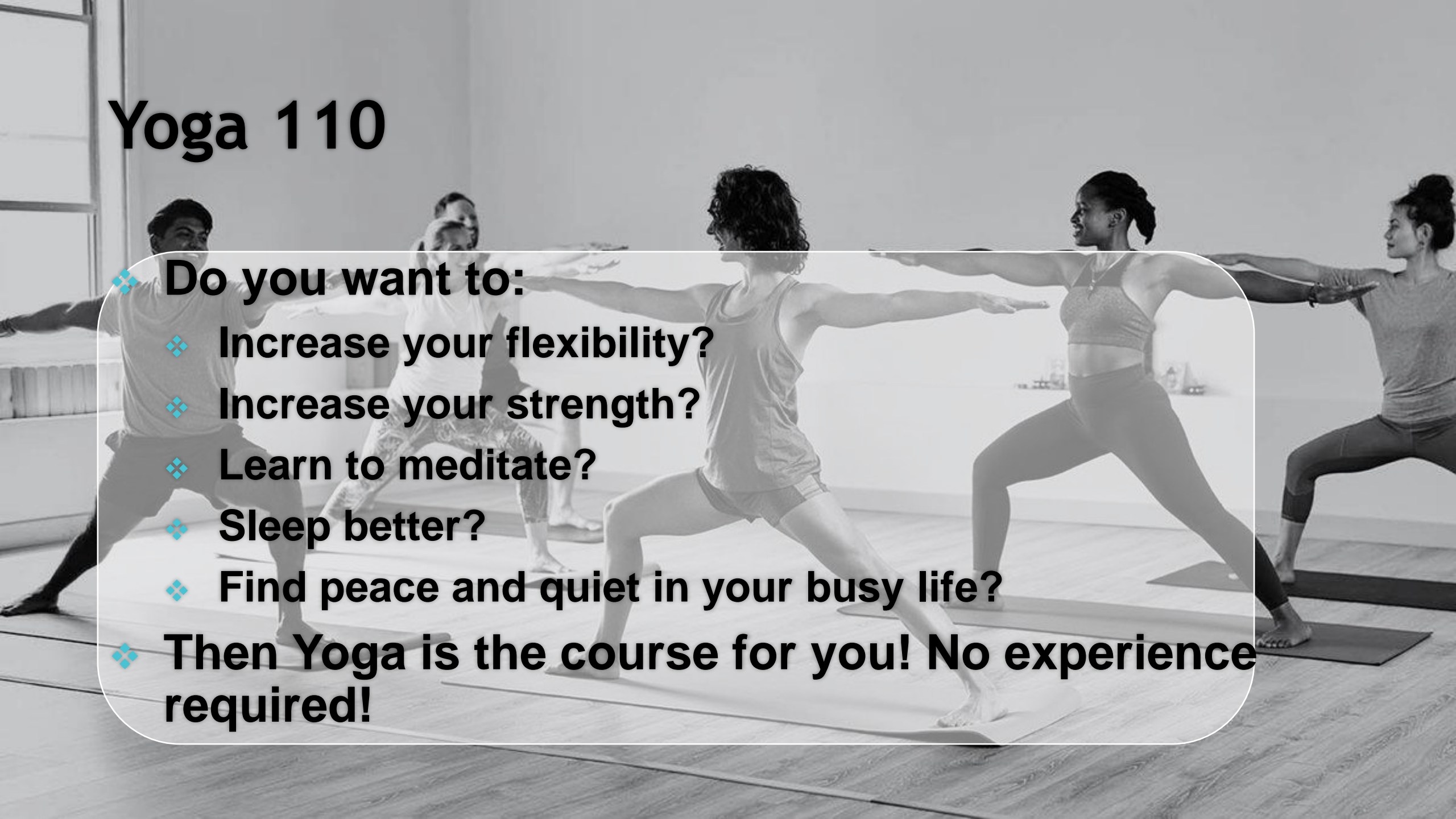


# Wellness Through Physical Education110

A grayscale background image showing several runners in motion. In the foreground, a woman is running towards the left, followed by a man. To their right, another woman is running away from the viewer. In the far distance on the right, another runner is visible. The runners are silhouetted against a bright, hazy background, suggesting a sunrise or sunset setting.

- ❖ **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 with large windows. They are all in a similar pose, with one leg forward and arms extended horizontally. The text is overlaid on the image in a white rounded rectangle.
- ❖ **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!**

# Cluster: Personal Well-Being Electives : Career-Connections

## • 4 Credit Hours Required for Graduation

Career-Connections	4	<b>Career Options</b>	
		<input type="checkbox"/> Career Pathway Design 10	<input type="checkbox"/> Coop 120
		<b>Information and Communication Technology Options</b>	
		<input type="checkbox"/> Computer Aided Design 110	<input type="checkbox"/> Digital Production 120
		<input type="checkbox"/> Computer Science 110	<input type="checkbox"/> Information Technology 120
		<input type="checkbox"/> Computer Science 120	<input type="checkbox"/> Robotics & Automated Process. 120
		<input type="checkbox"/> Cybersecurity 120	
		<b>Occupational Options</b>	
		<input type="checkbox"/> Agriculture 110	<input type="checkbox"/> Fashion Technology and Design 110
		<input type="checkbox"/> Business Org. Management 120	<input type="checkbox"/> Fashion Technology and Design 120
		<input type="checkbox"/> Develop and Lead 110	<input type="checkbox"/> Hospitality and Tourism 110
		<input type="checkbox"/> Early Childhood Services 110	<input type="checkbox"/> Intro to Accounting 120
		<input type="checkbox"/> Early Childhood Services 120	<input type="checkbox"/> Marketing 110
		<input type="checkbox"/> Entrepreneurship 110	
		<b>Skilled Trades Options</b>	
		<input type="checkbox"/> Automotive Electrical Systems 120	<input type="checkbox"/> Metals Fabrication/Welding 110
		<input type="checkbox"/> Culinary Technology 110	<input type="checkbox"/> Metals Fabrication/Welding 120
		<input type="checkbox"/> Culinary Technology 120	<input type="checkbox"/> Metals Processing 110
		<input type="checkbox"/> Electrical Wiring 110	<input type="checkbox"/> Metals Processing 120
		<input type="checkbox"/> Electrical Wiring 120	<input type="checkbox"/> Mill and Cabinet Work 120
		<input type="checkbox"/> Framing and Sheathing 110	<input type="checkbox"/> Power Train and Chassis 110
		<input type="checkbox"/> Intro to Applied Tech 110	<input type="checkbox"/> Tune-up and Emissions 120
		<input type="checkbox"/> Internal Combustion Engines 110	<input type="checkbox"/> Residential Finishing 120





# Cluster: Personal Well-Being Electives : Career-Connections

- **Career Options**





## 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!



# Cooperative Education 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**



# Cluster: Personal Well-Being Electives : Career-Connections

## Information and Communication Technology Options





# 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.**



The background of the slide features a blue-toned image of fiber optic cables with binary code (0s and 1s) overlaid, creating a digital data aesthetic.

# 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.**





# Cybersecurity 120

- In Cybersecurity 120 (CYBER120) students will be actively engaged in the design, development and evaluation of defensive cybersecurity projects, including awareness, concepts and challenges.
- Students will demonstrate operational skills specific to supporting and securing digital technology through hands on activities.





# Digital Production 120

- **Digital Production 120 offers students opportunities to produce different forms of media including websites, digital imaging, audio and video production. Students will also explore ethical issues surrounding media production and consumption, copyright and the appropriate use of copyrighted materials. Students will have flexibility in software selection, including a variety of open-source software, to complete required assignments and projects.**





# Information Technology 120

- The goal for this course is to develop more advanced computer skills and knowledge in the Information Tech field for industry.
- This will be accomplished by exploring the hardware components of a computer, managing the Info Tech Netbook program, as well as using the main programs within Microsoft's Office 365 suite.
- The course focuses on the introduction of tools and strategies to engage students in authentic learning patterns and problem-solving situations providing a foundation for transforming personal learning and gaining an understanding of open source and proprietary software.



A tracked mobile robot is shown on a grey surface. It has a black frame, a white bucket-like container on the left, and a red arm with a gripper on the right. The robot is equipped with large black tracks and red wheels. Two small black rectangular sensors or cameras are mounted on top of the robot's frame.

# Robotics & Automated Processing 120

➤ Using experimentation labs, students will learn and apply various automation concepts such as logic programming and the integration of technologies including pneumatic, electrical, mechanical, and computer.

➤ Students in this course will construct simulations and models of robot and automation processes using industrial types of equipment and computer simulation software.

➤ The knowledge and skills developed in this course would be an asset to any student who will at some point become involved in processing or manufacturing whether at the entrepreneurial, administration, engineer, or technologist level.

# Cluster: Personal Well-Being Electives : Career-Connections

## Occupational Options







# Agriculture 110

- **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.



A close-up photograph of two hands shaking in a firm grip. The hands are wearing dark suit sleeves. The background is blurred, showing other people in a professional setting.

# Business Organization and 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 & 120

- 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



A woman with long dark hair, wearing a black top, is seen from the back, drawing a large lightbulb on a green chalkboard. Inside the lightbulb, the word "IDEA" is written in white chalk. The chalkboard is filled with various business-related sketches: a thumbs-up icon, a laptop, a computer monitor, a keyboard, a bar chart, a dollar sign, a SWOT analysis diagram, and a city skyline. The woman is holding a piece of chalk in her right hand, pointing it towards the lightbulb.

# 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!





# Fashion Technology & Design 110 & 120

- 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






# 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





# Introduction to 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.



# Marketing 110

- *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.*



# Cluster: Personal Well-Being Electives : Career-Connections

## Skilled Trades Options





# Automotive Electrical Systems 120

- **Automotive Electrical Systems 120 falls within both the science cluster of courses and the career-connected cluster.**
- **This course introduces the student to the theory and operation of basic electrical systems. It covers electron theory, electric circuits, circuit protection, switching devices and magnetism.**
- **These are related to the operation and service of batteries, starting motors, alternators and ignition systems.**



# 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 the Crusader Cafe.
- Culinary 120 is a continuation of Culinary 110.
- You will expand our skills in food preparation and food service.





# 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 is for you!



A photograph of a building under construction, showing the wooden frame and sheathing. The structure is multi-storied, with a prominent gabled roof. The walls are partially covered with light-colored plywood sheathing, while the roof and other sections show the exposed wooden truss and stud framework. The sky is a clear, bright blue.

# 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.

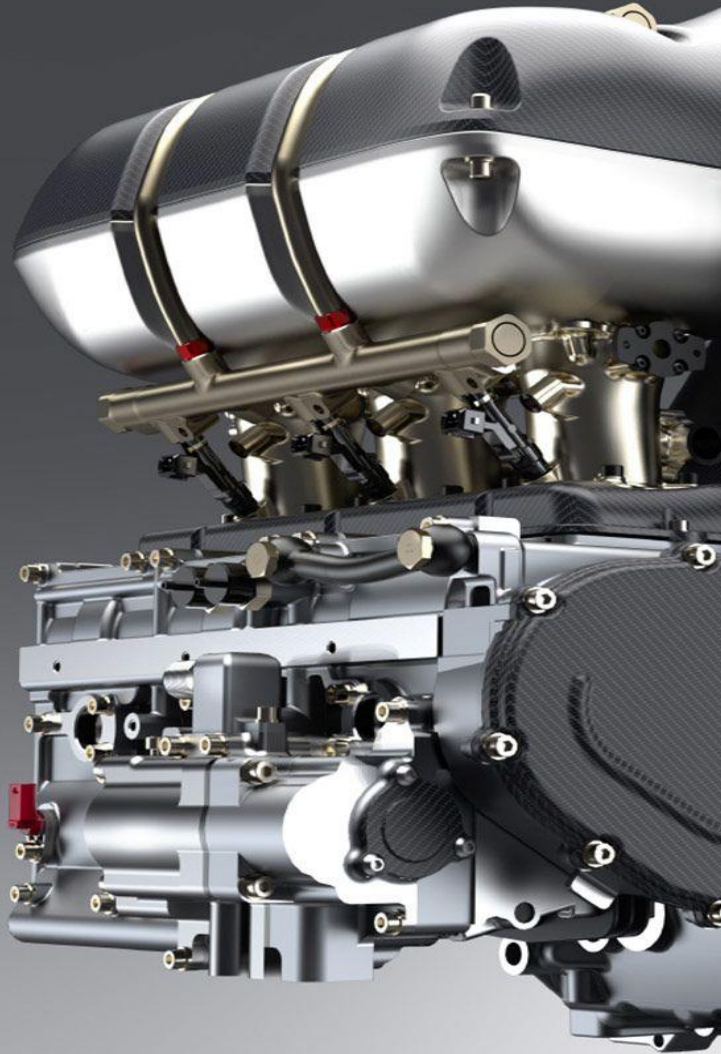


A background image showing various carpentry tools on a wooden workbench. On the left, a large claw hammer with a silver head and a dark handle is positioned diagonally. Below the hammer, a sharpened pencil lies horizontally. In the bottom right corner, a yellow measuring tape is partially visible, showing markings for inches and centimeters. The wooden surface has a prominent grain pattern.

# Introduction to Applied Technology 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 Fabrication/Welding 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 equipment used to cut and form metals.**





# Metals Processing 110 & 120

- Like working with your hands?
- Have you ever thought about machines and how they work?
- In this course 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!



A close-up photograph of a wooden workbench. The workbench is made of light-colored wood and has several horizontal slats. A red-handled tool, possibly a screwdriver or a similar fastener, is visible on the right side of the workbench. The background is a plain, light-colored wall.

# Mill and Cabinet Work 120

- This course will be of interest to students exploring career opportunities in the building contraction industry as well as those with a general interest in woodworking.
- In this course you will:
  - Learn the side 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





## Tune-up & Emissions 120

- This course is designed to provide students with a practical approach to diagnosing, servicing, and repairing of automobile fuel and emission systems and to performing engine tune-ups.





# 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 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.

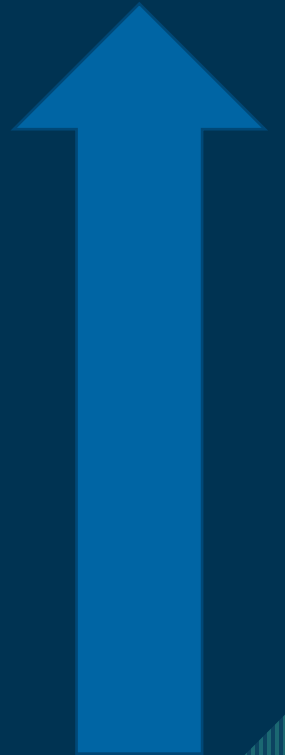


# Please Note: Personal Well-Being Clusters

## An additional 8 credit hours required for graduation

- In addition to the required 4 credit hours in each of the following three Personal Well-Being categories:
  - Creative Arts
  - Wellness & Physical Education
  - Career-Connections

Students require an additional 8 credits hours of their choosing from the categories above.



# Cluster: Local Options



- A MAXIMUM of 8 Credit Hours can be counted towards total of 100 Credit Hours in this cluster.

Local Option Courses  
(max. 8 hrs can count  
toward total)

- ☐ Adulting 120
- ☐ Board Game Design 120
- ☐ Children's Literature 120
- ☐ Gender Studies 120
- ☐ Intro. to Astronomy 120
- ☐ Japanese for Beginners 110

- ☐ Maintenance of Vehicles 110
- ☐ Philosophy 120
- ☐ Photography 120
- ☐ Strategy and Sport 110
- ☐ Sport & Society 120
- ☐ Yearbook 120



# Adulting 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.





# 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.





# 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!





# Japanese for Beginners

## 110

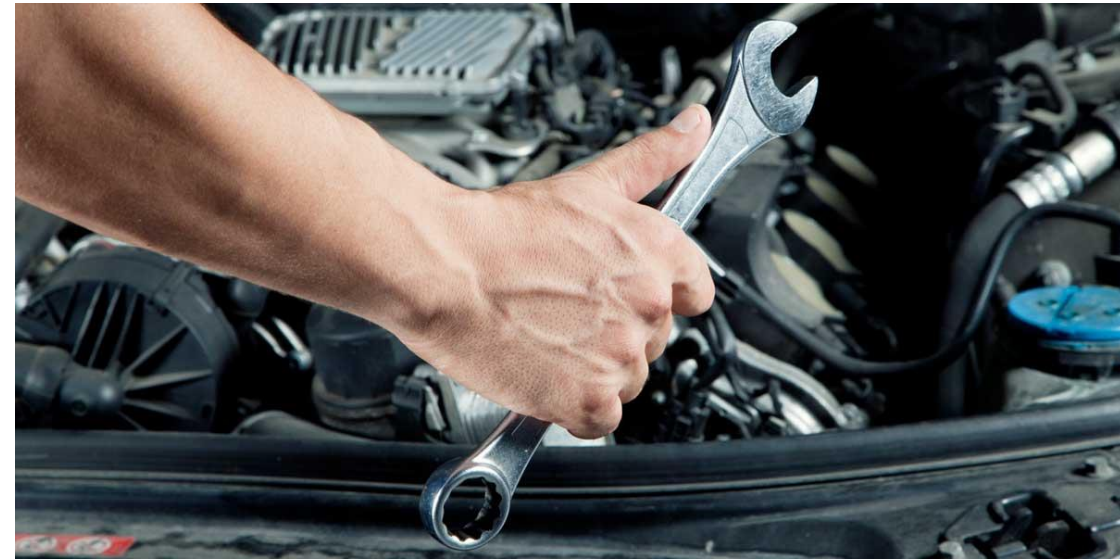
- ❑ Are you instead in learning a new language/culture?
- ❑ Do you like anime/manga/JRPG?
- ❑ Would you want to develop your cultural competences?
- ❑ Are you a person who respect diversity, equity and fairness?
- ❑ This course offers a unique opportunity to examine a completely foreign language and culture.
- ❑ Major Learning objectives:
  - ❑ 1. Develop fundamental knowledge of Japanese language
    - ❑ Read and write Japanese characters such as hiragana, katakana and some basic kanji.
    - ❑ Acquisition of basic grammatical knowledge and build basic vocabulary.
  - ❑ 2. Understand and use familiar everyday expressions and very basic phrases
    - ❑ Listening and speaking skills
    - ❑ This course is aimed at approaching to Japanese fluency level of JLPT N5 (Japanese Language Proficiency Test) and/or CEFR A1 (Common European Framework of Reference for Languages).
    - ❑ It is an excellent preparatory course for a first-year university-level Japanese language course.





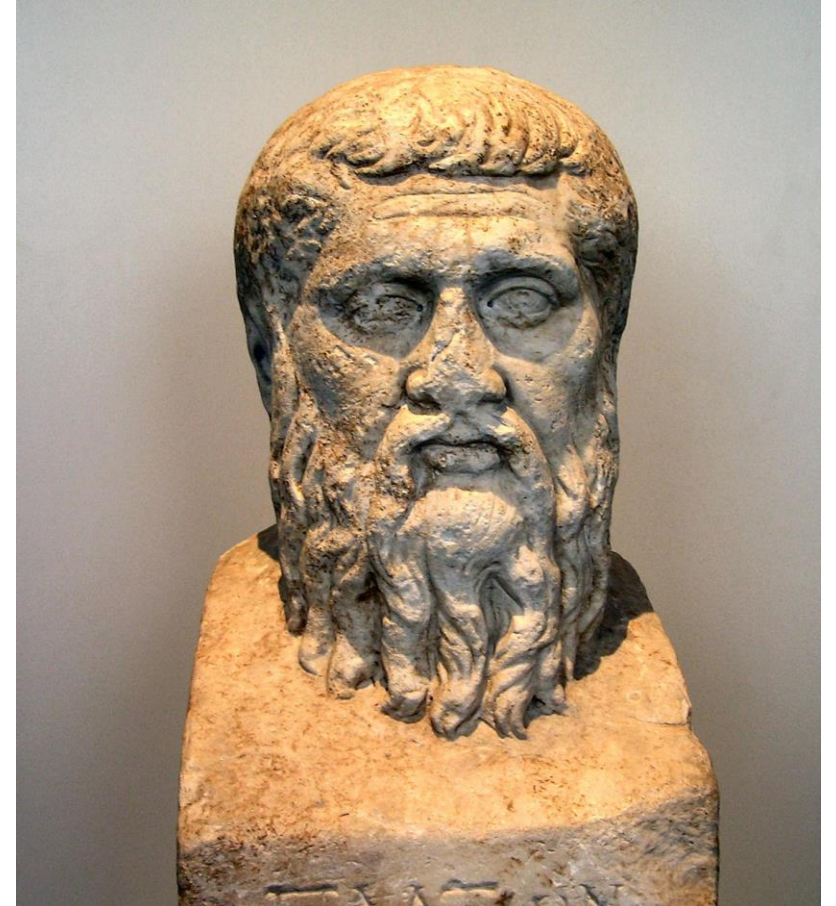
# Maintenance of Vehicles 110

**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.**



# 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





# 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.**



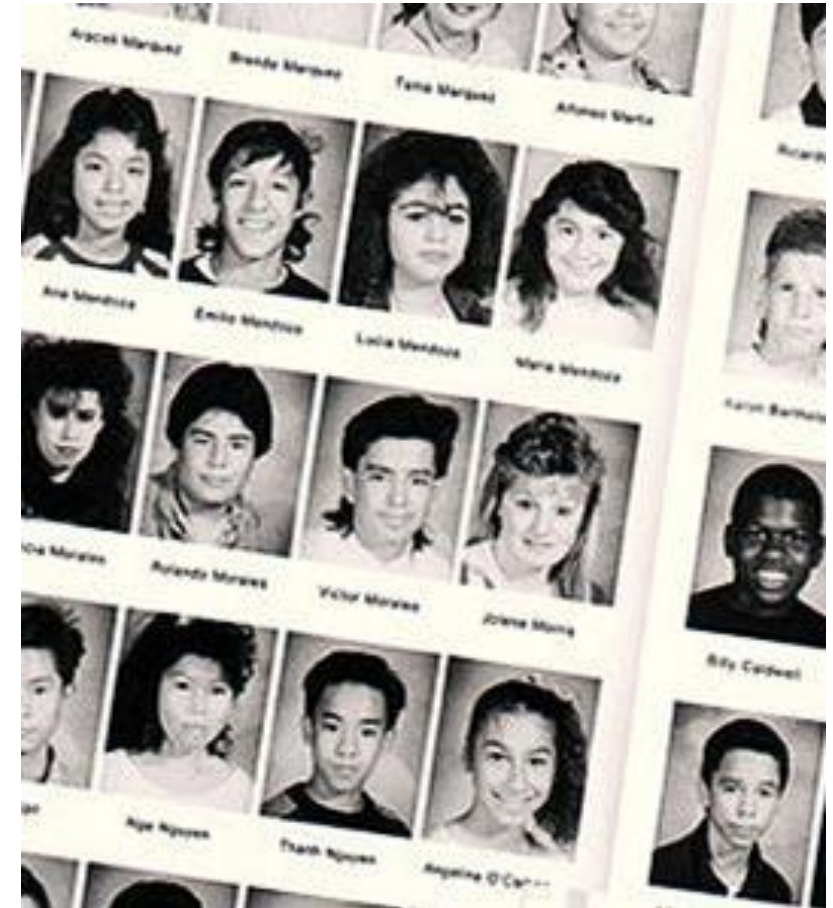
# Sport & Society 120

- ❑ Many students at KVHS have experience in and with sport.
- ❑ Regardless of whether these experiences are positive, negative, or neutral, this commonality can be used as a hook to teach and learn about aspects of sociology, gender studies, social justice, and media literacy.
- ❑ In a time when media is constantly at students' fingertips, being equipped with the skills to dismantle and analyze the explicit and implicit messages inherent in advertisements, program availability, sponsorship, and by athletes is an essential skill in the 21st century.



# Yearbook 120

- ☐ Do you love attending school events?
- ☐ Do you love snapping pictures?
- ☐ Do you love being organized?
- ☐ Do you adhere to firm deadlines?
- ☐ Are you interested in being a member of our amazing yearbook committee?
- ☐ Then this course is for you!
- ☐ **Application Required**





# Courses that Require an Application

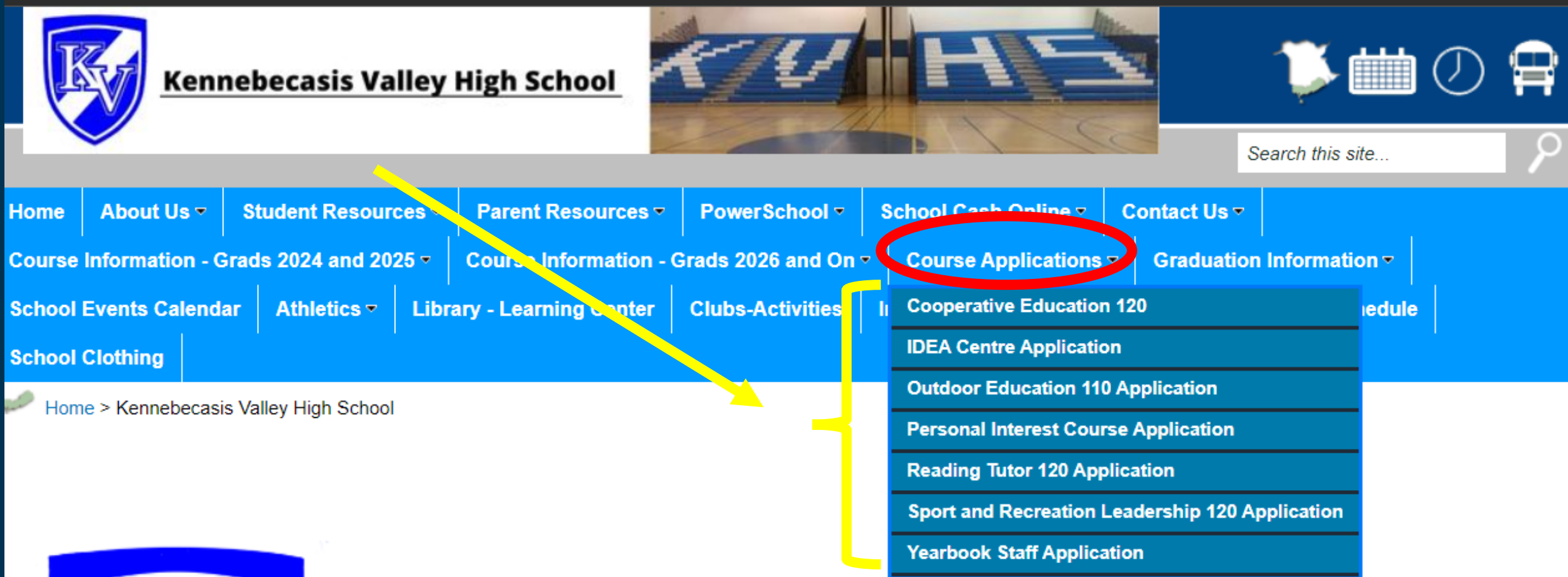


## Courses that require an application:

- ☐ COOP 120
- ☐ Idea Centre
- ☐ Outdoor Education 110
- ☐ Personal Interest Course 1 & 2
- ☐ Reading Tutor 120
- ☐ Sport & Recreation Leadership 120
- ☐ Yearbook 120

\*These courses cannot be requested on PowerSchool. You must request 10 other courses and 2 alternates. If you apply and are accepted, they will then be added to your schedule later.

# Courses that Require an Application - All Applications can be found on the KVHS Website



The screenshot displays the Kennebecasis Valley High School website. The header includes the school's logo, name, a photo of the gymnasium, and utility icons. The navigation menu is blue with white text. A red circle highlights the 'Course Applications' link, which has a dropdown menu open. A yellow arrow points from the 'Course Applications' link to the dropdown menu. A yellow bracket is also present next to the dropdown items.

**Kennebecasis Valley High School**

Search this site...

Home | About Us | Student Resources | Parent Resources | PowerSchool | School Cash Online | Contact Us

Course Information - Grads 2024 and 2025 | Course Information - Grads 2026 and On | **Course Applications** | Graduation Information

School Events Calendar | Athletics | Library - Learning Center | Clubs-Activities | I

School Clothing

Home > Kennebecasis Valley High School

**Course Applications**

- Cooperative Education 120
- IDEA Centre Application
- Outdoor Education 110 Application
- Personal Interest Course Application
- Reading Tutor 120 Application
- Sport and Recreation Leadership 120 Application
- Yearbook Staff Application

# Cooperative Education 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**



# 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](http://www.ideacentresj.ca)
- ❑ **Application is required.**

# Outdoor Education 110



- ❑ 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.
- ❑ **Application is required**

# Personal Interest Course 1 & 2



- ❑ This course promotes learner agency, personalized learning, and provides students with the time, opportunity and resources to develop or pursue individual interests. The course is designed by the student with the support of the teacher and/or other mentors in the school community (local/global)
- ❑ This course will be assessed by using the NB Global Competencies (practical, transferable skills) document. This includes:
  - ❑ Self-Management and Self Awareness Innovation
  - ❑ Creativity and Entrepreneurship
  - ❑ Communication
  - ❑ Collaboration
  - ❑ Critical Thinking and Problem Solving
  - ❑ Sustainability and Global Citizenship
  - ❑ **Application is required.**



# Reading Tutor 120



- ☐ Future Teachers!
- ☐ Senior student tutors are paired with younger struggling readers
- ☐ Tutors will be introduced to techniques and methods for teaching reading and writing strategies
- ☐ **Application is required.**

# Sport & Recreation Leadership 120 & French Immersion 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!
- ☐ **Application is required**

# Yearbook 120

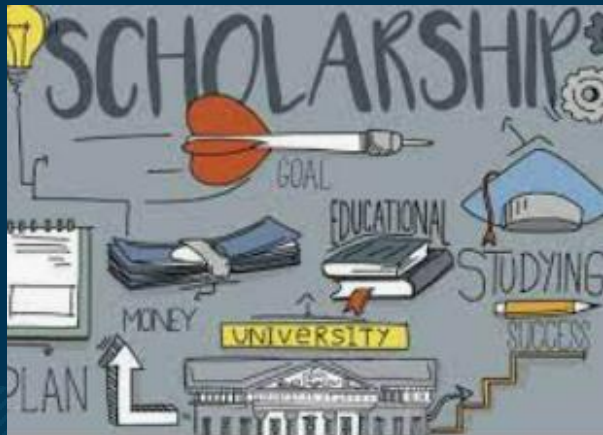


- ☐ Do you love attending school events?
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- ☐ Do you adhere to firm deadlines?
- ☐ Are you interested in being a member of our amazing yearbook committee?
- ☐ Then this course is for you!
- ☐ **Application is required**



# ADVANCED PLACEMENT





# Benefits of AP Program for Students

# AP Course Equivalency

\*University requirements differ with regards to score on the AP exam\*

AP Course	Dalhousie	Acadia	St.Mary's	UNBF	UNBSJ
<b>Seminar</b>	ASSC 1999.03			Unassigned 1st-year Arts	Unassigned 1st-year HUM (3ch)
<b>Biology</b>	Biology 1010.03 and 1011.03	BIOL 1113, 1123	BIOL 1201 and BIOL 1202	BIOL 1001/1006* & BIOL 1012/1017*	BIOL 1105
<b>Physics 1</b>	Physics 1310	PHYS 1053	PHYS 1901	Unassigned 1st-year Physic (6ch) + Labs where applicable	Unassigned 1st-year Physics (6ch) + Labs where applicable
<b>Chemistry</b>	Chemistry 1011.03/1012.03 or 1021.03/1022.03 or 1041.03/1042.03	CHEM 1013, 1023	CHEM 1210 and SCIE 1901	CHEM 1001/1012 & CHEM 1006/1017(labs)	CHEM 1041/1046 & CHEM 1072/1077 or CHEM 1872 (Engineering students only)
<b>Calculus AB</b>	Mathematics 1000.03 and 1010.03	MATH 1013	MATH 1190 and MATH 1210	MATH 1003	MATH 1003
<b>Human Geography</b>	Geography 1035.03 and 1999.03 (elective)	SOCI 1113/1023	GEOG 1901 and GEOG 1902	3 credit hours unassigned	Unassigned 1st-year GEOG (3ch)
<b>English Literature</b>	English 1015.03 and 1025.03	ENGL 1413/1423	ENGL 1205	ENGL 1000	ENGL 1001 & Unassigned 1st-year ENGL (3ch)
<b>Psychology</b>	Psychology 1011.03 and 1012.03	PSYC 1013, 1023	PSYC 1200 and SCIE 1905	PSYC 1013/PSYC 1023	PSYC 1003/1004
<b>US History</b>	History 1999.06	HIST 9106	HIST 1903 and HIST 1904	6 credit hours unassigned	HIST 1401 & Unassigned 1st-year HIST (3ch)




# AP Capstone: Seminar and Research

Prepares you to become stronger students by strengthening your skills.



Focus on research, analysis, evidence-based arguments, collaboration, writing, and presenting.



Year long courses. They will be tied to another credit course for students to receive 2 credits  
(Seminar + World Issues)

# COURSES AVAILABLE

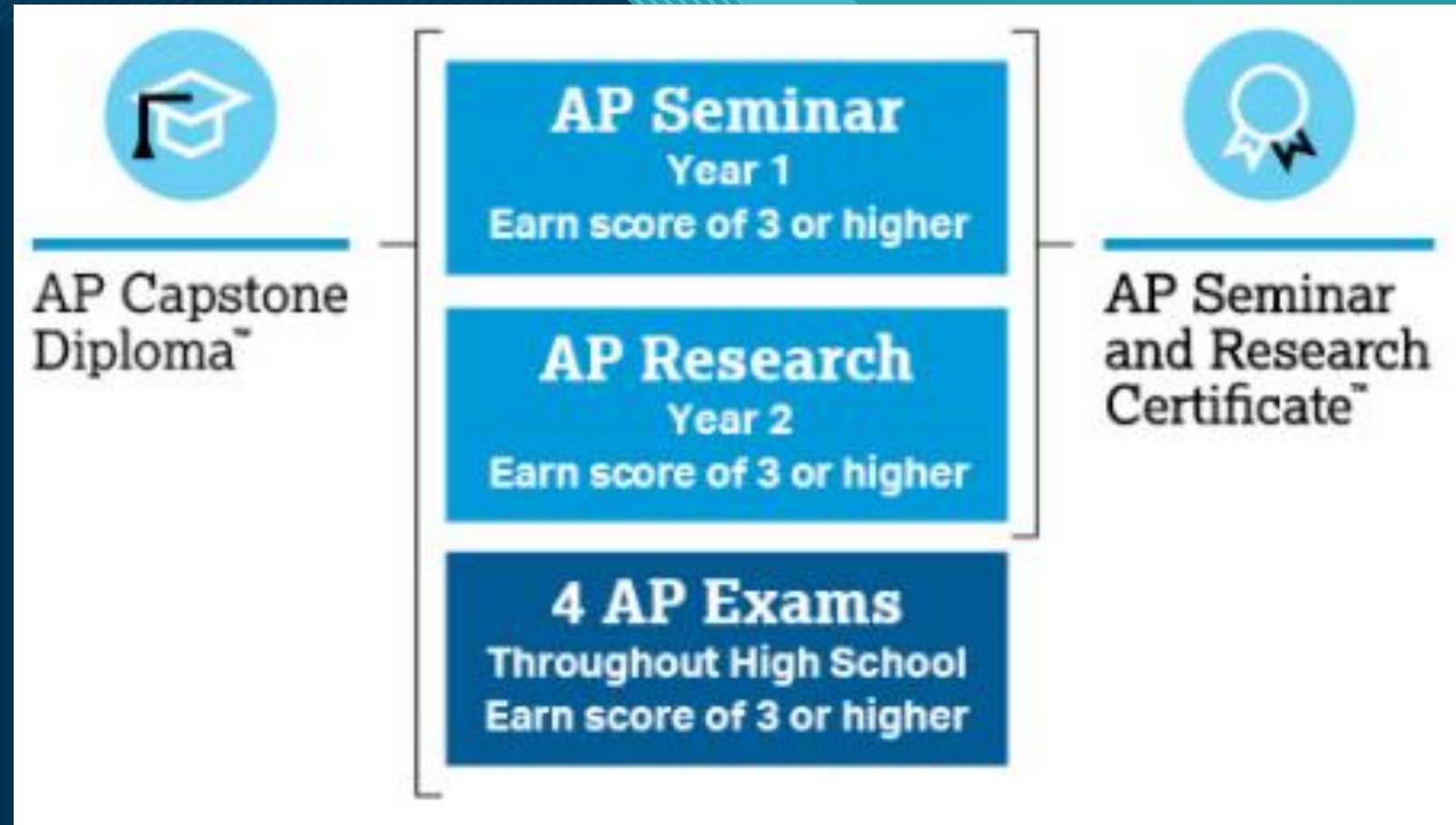
Course	Preferred Pathway
AP English Literature 120	English 12
AP European History 120	History Course
AP Human Geography 120	
AP Seminar	
AP Research	AP Seminar
AP US History 120	
AP Calculus120	Calculus 12
AP Statistics 120	Foundations 12
AP Chemistry 120	Chemistry 12
AP Biology 120	Biology 12
AP Physics120	Physics 12
AP Psychology 120	

# **Other Information**

Grade 12s will be given the opportunity to apply for a “Study Hall” period in order to prepare for AP classes if they take two or more AP classes.



# Awards





## PERSONALIZE YOUR LEARNING

Options for Credit are opportunities to have flexibility in your class schedule to explore interests and work toward educational and career goals.

What do you want to learn?  
What topics and experiences are exciting and engaging for you?

Working with your teachers, administrators, and school counsellors will help you determine the best options for you!

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**CHALLENGE FOR CREDIT**  
**PERSONAL INTEREST 1 & 2**  
**INDEPENDENT STUDY**  
**DUAL CREDIT COURSES**  
**EARLY START CREDITS**

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## Flexible Options for Credit for High School

**PERSONALIZE  
YOUR LEARNING**



[OPTIONSFORCREDIT@GNB.CA](mailto:OPTIONSFORCREDIT@GNB.CA)

## CHALLENGE FOR CREDIT



### I WANT TO...

*Get credit for learning I have acquired outside of the classroom!*

Talk to an administrator or school counsellor about submitting a Challenge for Credit Notice of Intent and Letter of Agreement form to your principal for any credit course. Two challenges can be used as credit towards graduation. "Fast track" options allow you to get a credit by simply submitting proof of completion.



Current "fast track" options include: CADET level 4, Scout Exploration Activity Award, Duke of Edinburgh, Imagine NB, National Lifesaving Society, Girl Guides Trailblazer Award, Coach NB, Junior Achievement, Université de Moncton Explore Jeunesse and Junior High Programs, the Immersion Program of Université Saint Anne, and Les Jeunes chanteurs d'Acadie.

## PERSONAL INTEREST 1 & 2



### I WANT TO...

*Explore a personal interest or passion!*

In Personal Interest 1 and 2, you have the opportunity to pursue an individual interest or passion. You will determine the focus of your learning with help from teachers and other mentors in the school or local/global community.

Your school may offer this as a class, or you may apply to complete the course independently.

## MAKE YOUR OWN PATH

## INDEPENDENT STUDY



### I WANT TO...

*Develop my own course outcomes and dig deeper into a topic of interest!*

Independent study is an opportunity to extend learning beyond your high school courses by developing your own course! You will work with a supervising teacher or mentor to create learning outcomes, activities, and a plan for how your work will be assessed. This is a great chance to build skills to support lifelong learning!

## DUAL CREDIT COURSES



### I WANT TO...

*Get a head start on my future educational goals!*

A dual credit course allows you to earn both high school credit(s) and credit(s) or program recognition toward a post-secondary certificate, diploma, degree, or Certificate of Apprenticeship.

Examples of current options include:

- NBCC Skilled Trades Math



## EARLY START CREDITS



### I WANT TO...

*Take a course at a college or university!*

With Early Start Credits, Grade 12 students who are on track to graduate can take an online course from UNB, STU, Mt. Allison University, NBCC, or Crandall University. Tuition costs apply, although funding options are available. Your school counsellor can direct you to the list of courses from each institution and help you get registered.



# Post Secondary Admissions Requirements -Examples



Profile	Details
Profile A	<ul style="list-style-type: none"><li>• High School Diploma <b>or</b> Adult High School Diploma <b>or</b> GED Diploma of High School Equivalency <b>or</b> Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma</li></ul>
Profile B	<ul style="list-style-type: none"><li>• High School Diploma <b>or</b> Adult High School Diploma <b>or</b> GED Diploma of High School Equivalency <b>or</b> Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma</li><li>• Foundations of Mathematics 110 <b>or</b> Geometry and Applications in Mathematics 112 <b>and</b> Functions and Relations 112</li></ul>
Profile C	<ul style="list-style-type: none"><li>• High School Diploma <b>or</b> Adult High School Diploma <b>or</b> GED Diploma of High School Equivalency <b>or</b> Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma</li><li>• Foundations of Mathematics 110 <b>or</b> Geometry and Applications in Mathematics 112 <b>and</b> Functions and Relations 112</li><li>• Total of <b>two (2)</b> sciences, including at least one (1) of the following:<ul style="list-style-type: none"><li>◦ Biology 112 or Biology 122</li><li>◦ Chemistry 112 or 122</li><li>◦ Physics 112 or 122 (Recommended)</li></ul></li></ul>
Profile D	<ul style="list-style-type: none"><li>• High School Diploma <b>or</b> Adult High School Diploma <b>or</b> GED Diploma of High School Equivalency <b>or</b> Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma</li><li>• Foundations of Mathematics 110 <b>or</b> Geometry and Applications in Mathematics 112 <b>and</b> Functions and Relations 112</li><li>• Total of <b>three (3)</b> sciences, including at least two (2) of the following:<ul style="list-style-type: none"><li>◦ Biology 112 or Biology 122</li></ul></li></ul>

# Post Secondary Admissions Requirements -Examples



## Profile I

- High School Diploma **or** Adult High School Diploma **or** GED Diploma of High School Equivalency **or** Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma
- Pre-calculus 110 **or** Geometry and Applications in Mathematics 112 **and** Functions and Relations 112
- Total of **two (2)** sciences, including at least one (1) of the following:
  - Biology 112 or Biology 122
  - Chemistry 112 or 122
  - Physics 112 or 122

## Profile J

- High School Diploma **or** Adult High School Diploma **or** GED Diploma of High School Equivalency **or** Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma
- Pre-calculus 110 **or** Geometry and Applications in Mathematics 112 **and** Functions and Relations 112
- Total of **three (3)** sciences, including at least two (2) of the following:
  - Biology 112 or Biology 122
  - Chemistry 112 or 122
  - Physics 112 or 122

# Post Secondary Admissions Requirements -Examples

## UNB Sciences

### New Brunswick Requirements



- English 122/Français 10411
- Pre-Calculus A 120/Mathématiques 30331C\*
- Pre-Calculus B 120/Mathématiques 30411C
- Chemistry 122/Chimie 52411
- One of Biology 122/Biologie 53411, Physics 122/Physique 51411 or another provincially approved science\*\*
- One elective – Group 1 or 2
- Minimum admission average 75%
- \*Mathématiques 30411B is acceptable for admission. However UNB strongly recommends Mathématiques 30331C as the preferred pre-requisite to Mathématiques 30411C.
- \*\*Biologie 53421 and Physique 51421 are acceptable for admission.
- \*\*\*Senior-year Mathematics, Chemistry and another approved science course are required for admission to this program. The average of the marks in senior Mathematics, Chemistry and the best other science course must be at least 75%. Students who present only Chemistry will be considered at the discretion of the Faculty.
- \*Students who do not meet the admission requirements for direct entry to the Bachelor of Science degree program, but offer a minimum admission average of 70% may be given conditional admission into an entrance program to the extent that capacity allows.



# Post Secondary Admissions Requirements -Examples

## UNB Sciences

### Group 1

- Anglais 22411
- Astronomie 55411
- Biology 122
- Biologie 53411/53421
- Calculus 120
- Canadian Literature 120
- Chemistry 122
- Chimie 52411
- Computer Science 110 or 120
- Co-op Education 120
- Droit 86411
- Economics 120
- Économie 44411
- Éducation coopérative 88411

### Group 2

- Introduction to Accounting 120
- Accounting 120
- Accounting 120 (computerized)
- Business Organization & Management 120
- Comptabilité 84411
- Marketing 122
- Native Studies 120



### Group 3

- Art 110 or 120
- Art 91411
- Creation Musicale 92421
- Communications 120 (Media Studies 120)

# Post Secondary Admissions Requirements -Examples

## STU - Arts

### Anglophone Schools



High school applicants must meet the following minimum requirements for admission to the Bachelor of Arts program at St. Thomas University:

- high school graduation (by end of August of the year in which students apply);
- minimum average of 70% on five successfully completed Grade 12 academic courses one of which must be English 122;
- four remaining academic electives chosen from the list below (please note that, where they exist, Level 1 courses and any of the following electives offered in a French Immersion program, are acceptable as substitutes for courses listed below).

- |                           |  |
|---------------------------|--|
| • Biology 122             | • Mandarin 120                               |
| • Calculus 120            | • Media Studies 120 OR Communications 120 OR |
| • Canadian Geography 120  | Digital Productions 120 OR Journalism 120 OR |
| • Canadian History 122    | Broadcast Journalism 120 OR FI Techniques de |
| • Canadian Literature 120 | Communication 120 OR Women, Media and        |
| • Chemistry 122           | Culture 120 OR Gender, Media and Culture 120 |
| • Computer Science 120    | • Modern History 112                         |

# Post Secondary Admissions Requirements -Examples

## STU - Arts

- Biology 122
- Calculus 120
- Canadian Geography 120
- Canadian History 122
- Canadian Literature 120
- Chemistry 122
- Computer Science 120
- Economics 120
- Post-Intensive French 120 OR French 122
- French Immersion Lang Arts 120
- Geology 120
- Introduction to Environmental Science 120
- Latin 120
- Law 120 OR Business Organization and Management 120 OR Introduction to Accounting 120 OR World Issues 120
- Mandarin 120
- Media Studies 120 OR Communications 120 OR Digital Productions 120 OR Journalism 120 OR Broadcast Journalism 120 OR FI Techniques de Communication 120 OR Women, Media and Culture 120 OR Gender, Media and Culture 120
- Modern History 112
- Native Studies 120 OR Indigenous Studies 120
- Oceanography 120
- Philosophy 120
- Physical Geography 110
- Physics 122
- Political Science 120
- Pre-Calculus 110 OR Foundations of Math 120
- Pre-Calculus A 120
- Pre-Calculus B 120
- Psychology 120
- Sociology 120
- Spanish 120
- Stats 120
- Theatre Arts 120 OR Dramatic Arts 120 OR Art 120 OR Visual Arts 120 OR Music 122 OR World Music 120





# Where can I get more information?



KVHS Website

Talk with your Advisory Teacher

Talk with your Teachers

Talk with Adults you trust

Message your Guidance Counsellor