

# Course Selection Grade 10 25-26

## SCHOOL COUNSELLORS

- LEAH ANN CAMERON (A-G)
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- KELLY NICKERSON (S-Z)

# REGISTRATION PROCESS

- Course selections are requests. We cannot guarantee that all requests will be fulfilled.
- Group meeting where students make initial selections.
- Discuss course requests at home with parents/guardians
- Guidance will review course requests for errors.
- Changes can be made by emailing counsellors to set up an appointment.
- Guidance will change selections if students do not have appropriate prerequisites or fail courses in June.
- Students must be satisfied with course selections prior to leaving in June.
- \*\*There is very limited ability to make changes in September\*\*

## TODAY YOU WILL ...

- Learn about high school graduation requirements
- Take a closer look at high school course options for next year
- Select at least 7 course choices plus 2 alternates
- Fill out one form and return it to the counsellor
- Bring the second form home, discuss your course choices with your parent(s)/guardian(s)
- Have your parent/guardian sign your form
- Return the **signed** form to your teacher by **Friday, February 28**
- Remember... **limited changes in September**

Once all forms are returned, you will input your course selections into PowerSchool. We will guide you through this step.



# IMPORTANT REMINDERS

- All students must satisfy DOE graduation requirements
- Be mindful of any extra requirements for post-secondary institutions
- Get involved...most scholarships and bursaries require extracurricular/volunteer participation



## How will grade 10 be different?

- What is a credit?
- Semesters and course load
- Choice :)

# GRADUATION REQUIREMENTS



**18 credits (13 compulsory)**

**Minimum of 5 grade 12 courses**

**Maximum 7 grade 10 courses**

**Most students by the end of grade 12 have 21 or more**

- 3 English (grade 10,11 & 12)
- 3 Math (grade 10,11 & 12)
- 2 Science (Science 10 + one more )
- 1 Technology- or extra Math / Science
- 1 Physical Education Credit
- 1 Canadian Studies (Mi'kMaq 11/Contemporary Canadian Studies 11 /African Canadian Studies 11)
- 1 Global Studies (Global History 12 / Global Geography 12/ Global Politics 12)
- 1 Fine Arts Credit (Music/Band/ Visual Arts/Drama)
- French Immersion students: 9 French credits including FRA 10, FRA 11 and FRA 12. Must take a minimum of 2 French courses/year

# TYPICAL GRADE 10 COURSES for ENGLISH STUDENTS

- ENGLISH
- MATH
- SCIENCE
- FINE ARTS
- 3-4 ELECTIVES

**We recommend at least ONE course be at the grade 11 level.**

**Only seven grade 10 credits will count toward the 18 credits required for graduation.**

*Students must also select **TWO (2) alternate courses***

# TYPICAL GRADE 10 COURSES for FRENCH IMMERSION STUDENTS

- ENGLISH
- MATH 10
- SCIENCE IMM
- FRANCAIS
- ART DRAMATIQUE
- YOGA 11 IMM
- LES ÉTUDES CANADIENNES CONTEMPORAINES 11
- ELECTIVE (IF NOT DOING MATH 10 ACADEMIC = 2 CREDITS)

**We recommend at least ONE course be at the grade 11 level. Only seven grade 10 credits will count toward the 18 credits required for graduation.**

*Students must also select **TWO (2) alternate courses***



# FRENCH IMMERSION STUDENTS

If a French immersion student is planning to follow the math/science route to university, careful planning over the three high school years is advised due to the large number of math/science courses required. The credit selections below show what a typical student in this situation *might* choose.

Grade 10	Grade 11	Grade 12
English 10 Math 10 <i>Sciences 10F</i> <i>Arts Dramatiques 10F</i> <i>Études canadiennes contemporaines 11F</i> <i>Français 10F</i> <i>Yoga 11F</i>	English 11 Math 11 Pre-Cal 11 Chemistry 11 Physics 11 <i>Biologie 11F</i> <i>Français 11F</i> Biology 12/12AP	English 12 Pre-Calculus 12 Chemistry 12 Physics 12 <i>Géographie Planétaire 12F</i> <i>Français 12F</i> Calculus 12 Elective

# ENGLISH 10

- Students require an English credit at each grade level in order to graduate.

## □ ENGLISH 10

- Academic level credit
- Emphasizes proficiency in using oral language for a variety of purposes
- Basic skills in writing and interpreting literature are important aspects of his course

# MATH REQUIREMENTS FOR POST-SECONDARY STUDY

\*\*\*\*\*Dalhousie / St. Mary's University / MSVU\*\*\*\*\*

<u>Program</u>	<u>Requirement(s)</u>
Bachelor of Engineering	Pre-calculus
Bachelor of Computer Science	Pre-calculus 12
Bachelor of Science	Pre-calculus 12
Bachelor of Science – Kinesiology	Math 12 Academic
Bachelor of Science – Nursing	Math 12 Academic
Bachelor of Commerce	Math 12 Academic**
Bachelor of Arts programs*	No additional math requirement for most
NSCC	80% of programs require no additional math

\*\*\*\*\*Please check this requirement for other universities – it may vary\*\*\*\*\*

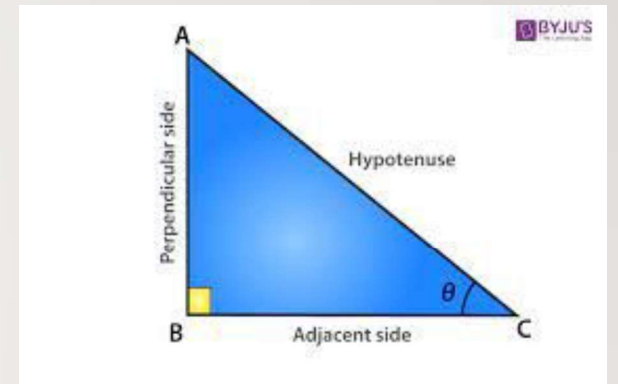
# Can I still go to university without academic math?

- Absolutely!
- Some programs require academic or advanced math, others don't. For example, you may be able to study history, languages, international development, political science, sociology, psychology, criminology, etc. without academic math 12.
- \*Admission requirements may differ at each university

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# MATHEMATICS 10

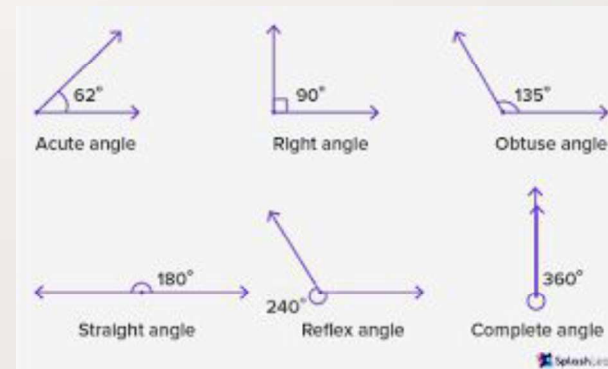
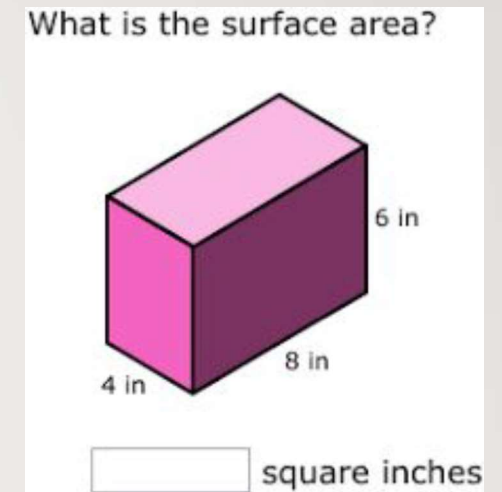
- Academic credit type, 2 credits, 220-hour course (year-long course)
- Upon successful completion students will receive 2 academic credits
- Often students proceed to Mathematics 11 (1 semester) Mathematics Extended 11 (2 semesters)
- Topics explored:
  - measurement systems
  - surface area & volume
  - right triangle trigonometry
  - exponents & radicals
  - polynomials
  - linear relations & functions
  - linear equations & graphs
  - solving systems of equation
  - financial mathematics



$$\begin{cases} 2x_1 + x_2 = 7 \\ x_1 + x_2 - 3x_3 = -10 \\ 6x_2 - 2x_3 + x_4 = 7 \\ 2x_3 - 3x_4 = 13 \end{cases}$$

# MATHEMATICS AT WORK 10

- Graduation credit type, 1 credit, 110-hour course (one semester)
- Upon successful completion of Math at Work 10, students often proceed to Math at Work 11.
- Topics explored:
  - Measurement systems
  - Surface area
  - Pythagorean theorem
  - Right triangle trigonometry
  - Similar polygons
  - Angles
  - Perpendicular & parallel lines
  - Unit pricing
  - Currency exchange
  - Income
  - Basic algebra

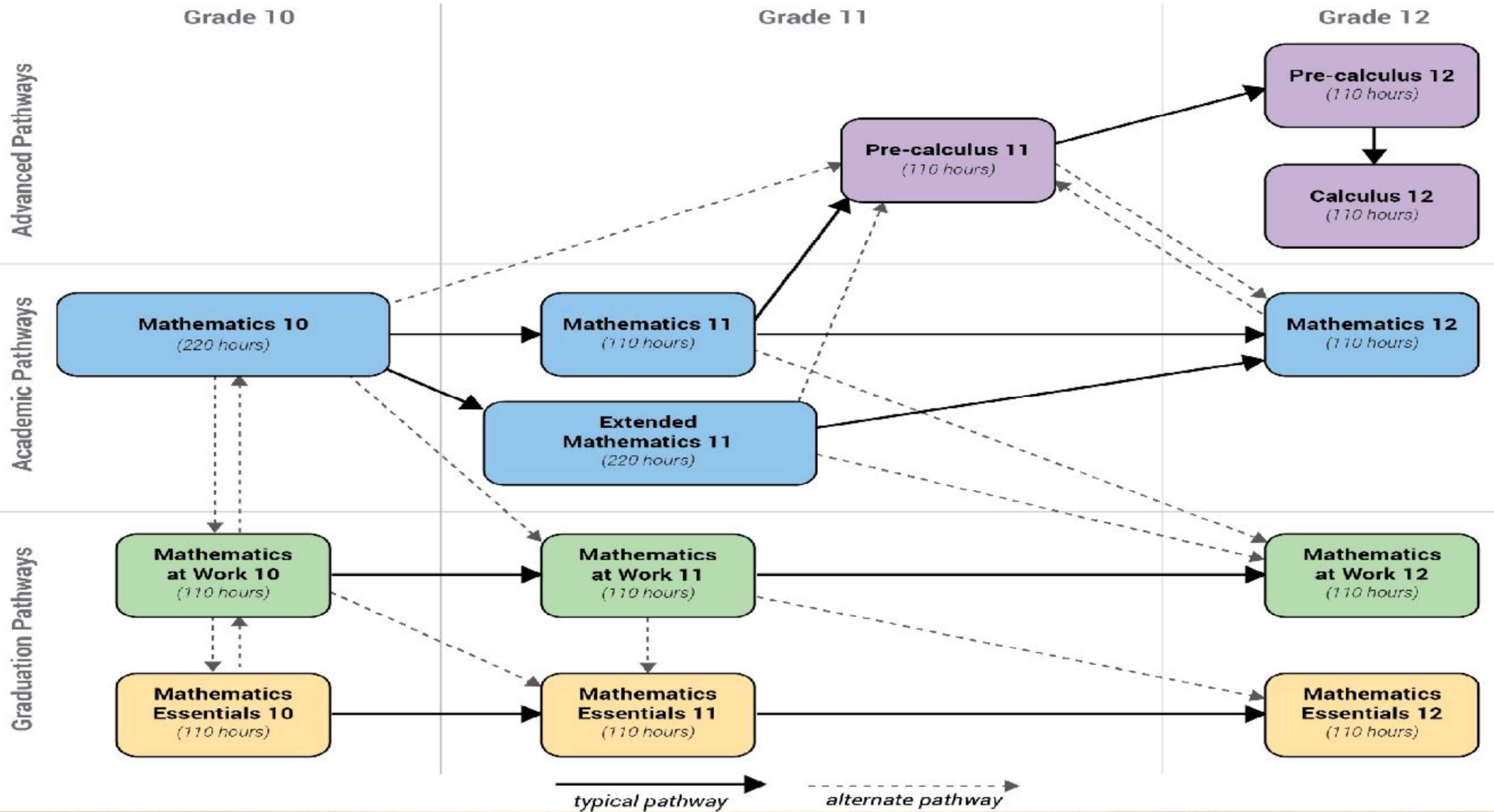


# MATH ESSENTIALS 10

- Graduation type, 1 credit, 110-hour course ( 1 semester)
- Topics explored:
  - Mental math
  - Working and earning
  - Deductions & expenses
  - Paying taxes
  - Making purchases
  - Buying decisions
  - Probability
  - Measuring & estimating
  - Transformation & design
  - Buying a car



# Senior High Mathematics Course Pathways (Effective 2021)





# SCIENCE 10

**Minimum of 2 science credits for graduation**

- Academic level credit
- Includes four modules
  - 1. Sustainability of ecosystems
  - 2. Chemical reactions
  - 3. Weather dynamics
  - 4. Motion

# CANADIAN STUDIES

- Mi'kmaq Studies 11

Focus is on understanding historical and contemporary issues in Mi'kmaq society. Topics include: justice, political autonomy, native rights, spiritual principles, and individual/group identity.

- African Canadian Studies 11

Movement of people from Africa to the new world. Particular focus on African Nova Scotian experience i.e. struggles, accomplishments, life stories of various people

- Contemporary Canadian Studies 11

Examining 1945-present, the course provides students with opportunities to explore our country's cultural, political, and historical landscapes.

# PHYSICAL EDUCATION COURSES

One mandatory Physical Education credit anytime during your high school years

Options:

- ❖ Physically Active Living 11
- ❖ Martial Arts 11
- ❖ Yoga 11



# TECHNOLOGY

**One additional credit from the areas of Technology, Science or Mathematics.**

**Math 10 = 1 technology/science/math credit**

- Grade 10 options:
  - Business Technology 11 (academic)
  - Communications Technology 11 (academic)
  - Design 11 (academic)
  - Construction 10
  - Skilled Trades 10
  - Service Trades 10

# FINE ARTS

**1 required credit for graduation**

Grade 10 options:

- ❖ Visual Arts 10
- ❖ Music 10 – Exploring Music
- ❖ Music 10B – Instrumental Band
- ❖ Drama 10
- ❖ Art Dramatique 10 (French Immersion students)

# SKILLED TRADES

- Focus is on careers in skilled trades
- **Skilled Trades 10: 4 Core areas:**
  - Safety,
  - Skilled Trades Living,
  - Measurement and calculation,
  - Tools and Materials
- Limited enrolment course
- Students will build a wall, complete with plumbing and electrical
- Students go on to enrol in **Construction Trades 11** and and/or **Transportation Trades 11** and **Skilled Trades 12 Co-op** (work experience)

## SERVICE TRADES 10

- Focus is on careers in service trades
- **Service Trades 10:** Students explore
  - The impact the trades have on society
  - Career paths for service trades people
  - Basic food preparation skills
  - Additional skills needed for success in the service sector
  - Students go on to enrol in **Culinary Trades 11**

# HIGH SKILLS TECHNOLOGY CERTIFICATE

- Must complete a minimum of 3 technology courses and a Co-operative Education course

## • OPTIONS AND OPPORTUNITIES

- Full high school program (10-12) and is available to students entering grade 10 who need extra help with career and educational planning. Application process.
- Application due March 31st
- Any questions email Dave Algee email [Dalgee@hrce.ca](mailto:Dalgee@hrce.ca)



# ELECTIVE OPTIONS

- ❖ Career Development 10
- ❖ Skilled Trades
- ❖ Service Trades
- ❖ Food in Society & Food for Healthy Living (must select both)
- ❖ History 10
- ❖ Business Tech 11
- √ Communications Tech11
- √ Design 11
- √ Core French 10
- √ Learning Strategies
- √ Child Studies 11
- √ Accounting 11
- √ Human Bio 11\*
- √ Construction Technology

# QUESTIONS? IMPORTANT DATES

## 2025-26 Course Selection Overview for current Grade 9 students

- **February 3-21** : School counsellors will visit grade 9 classrooms to explain the course selection process, graduation requirements, courses and answer questions. During this time, students will complete a good draft of their course selection sheet and then will bring a 2<sup>nd</sup> sheet home for parents to look over and sign.
- **Feb. 25th @ 6:00** : Course selection Information session for grade 9 parents.
- **Feb 28th** : Deadline for students to return their signed course selection sheet to their ELA or FLA teacher.