

REQUIREMENT

- Interested to learn and willing to try new things
- Skills and abilities in the outdoors is not a requirement, as it will be developed in the program. However, we suggest students not comfortable on a bicycle practice biking the summer prior to the program.
- *Sciences 10, Fondements de Maths et Pré-calcul 10* are basic requirements for applying to the program
- We will adapt activities according to physical abilities and health considerations

STUDENT'S EXPECTATION

Students applying to the program will be expected to take part in field activities, as well as trips, as they are an integrated part of the program.

TRIPS AND CLASS TIME

A maximum of 25 days will be spent on overnight trips away from the school, not including Field day activities. curriculum based will be frequent. The rest of the days will be normal classroom time learning theoretical concepts.

YOUR STEAM YEAR

Steam semester

Physique 11, Pré-calcul 11, Plein Air 11, Art Médiatique 11, Field Studies 12

Alternate semester

Anglais 11, Français 11, Sciences Humaines 11, one additional elective

SAFETY

The safety and well-being of the students is always the first and most important consideration when taking students into wilderness settings. Students who display inappropriate or unacceptable behaviour that puts themselves or others at risk may result in removal from the field trip at their own expense and/or removal from the program.

PROGRAM COST

The fee for the entire semester program will be \$650. This amount will pay for short term equipment, activities, transportation, and gas. The cost will also cover breakfast and lunches on the extended trips. The cost should not be an obstacle for a student to apply to the program. Financial support can be made possible.

CLASSES

Mathématique pré-calcul 11 – Pre-Calculus Math 11 is intended to help students continue on the path to potential STEAM-based post-secondary studies. Specifically, the course is an exploration of advanced functions and equations including polynomials,

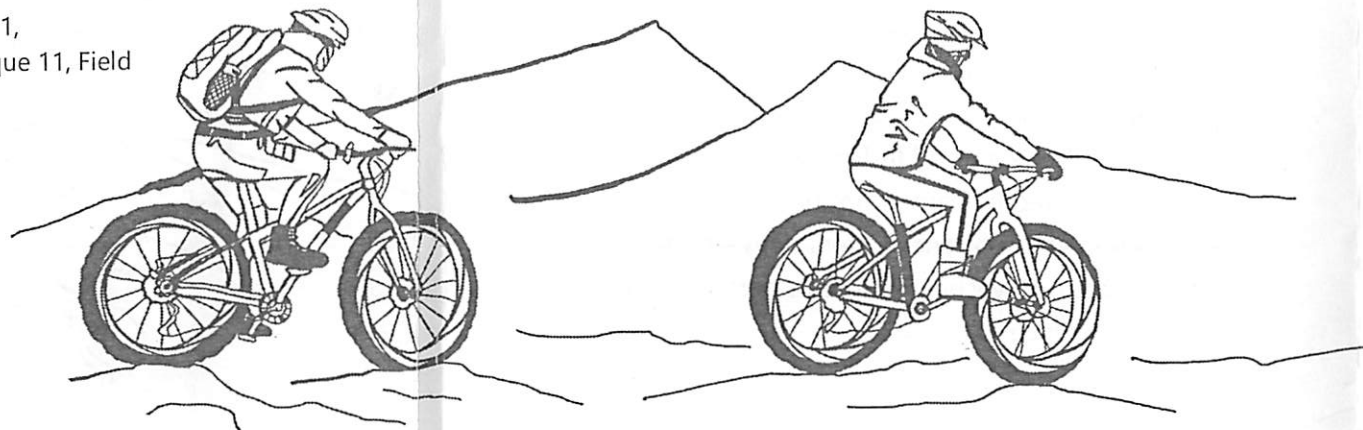
quadratics, rational, trigonometry and more, as well as an applied look at finances. Broadly speaking, Pre-Calculus 11 is focused on the continued development of algebraic and critical thinking, problem solving and the application of mathematics in real-life situations.

Physique 11 - This course will help students come to both a conceptual and mathematical understanding of kinematics, dynamics, energy & momentum, waves & optics. As much as possible, these topics will be explored through an engineering lens and augmented with technological applications.

Plein Air 11 - Students in this program will learn and develop skills in a complex and dynamic outdoor environment while participating safely and developing teamwork skills. Activities such as mountain biking, climbing, canoeing and hiking will be used to develop outdoor skills. First peoples' traditional practices and traditional knowledge will be shared with students. Being stewards of the land with a conservational approach will also be part of this class.

Art Médiatique 11 - This program will help you to grow as an artist in term of expression, creativity, and identity. The course will look at different technological media and help you with pre & post-production skills as well as on-site considerations toward a final product. Materials, processes, and technics of media art will also be a central theme of the learning. Students will integrate other classes into their personal media projects throughout the semester.

Field Studies 12: This course is designed to provide flexibility in selecting a range of environmental monitoring activities. The course is used to enrich the methodology, analysis, and interpretation of data when collected in the field. The integration for field studies in physics and pre-calculus will allow students to gain better skills in the field and in the classroom. Most of the Field Study topics are designed to be conducted outside of classrooms, using environmental settings identified as environments of interest.



GENERAL DESCRIPTION

What is it?

The STEAM program is an integrated semester in French Immersion offering four different courses. It gives students the opportunity to discover and learn outside the classroom through creative and positive hands-on learning experiences. The program endeavours to develop physical, intellectual, social, emotional, and cultural aspects of their personality. Outdoor experiences are used to understand concepts of physics, mathematics, and media production as well as gain an understanding and appreciation of the land on which we live, thus fostering a culture of stewardship.



STUDENT INFORMATION

Student full name _____
 Address _____
 Community _____
 Postal code _____
 Date of birth _____
 Student cell phone _____
 Home phone _____
 Home school _____
 Student email _____
 Student signature _____
 Date _____
 Parent/guardian signature _____
 Date _____
 Parent/guardian name (print) _____
 Parent 1 contact # _____
 Email: _____
 Parent 2 contact # _____
 Email: _____

APPLICATION PROCESSES

- See Mr. Grottoli in room 205 at FH Collins to collect an application form and sealed reference forms
- Application form including:
 - ___ 2 reference letters (one teacher, one other)
 - ___ Brief essay (200-400 words) describing why you would be a good fit for the program and why you are interested in learning in this way
- Application and reference letters delivered to Anthony.grottoli@yesnet.yk.ca or in person at the FH Collins front office

STEAM

Sciences, Technology,
 Engineering, Arts and
 Mathematics

General package application
2023-2024

