



PRESENTS

# IGNITE Program Tech Explore

Grades 9-12

www.mathstronauts.ca



## Description

The Tech Explore course is a weekly online course in which high school students (Grades 9 - 12) apply conceptual and theoretical knowledge to explore the world of STEM! In this program, we challenge high school students to develop fundamental technology related skills that are crucial to their future through hands-on learning in a fun and engaging environment.

In this weekly online program, learners will explore and apply new concepts in 3D modeling using a parametric modeling software called FreeCAD, learn graphic design in Canva, and code in the Python programming language to explore the exciting area of App Development! Over 10 weeks, students will 3D model the Mars Reconnaissance Orbiter, create logos and graphics for their app, and use Python to program a fully functional Earth and Mars Weather App using real time data from an API! Learners will also explore various topics in climate sciences and how scientists and engineers predict weather patterns on Earth and on Mars!

### How To Register:

Visit [www.mathstronauts.ca/Programs](http://www.mathstronauts.ca/Programs) to register by **October 16, 2022**.



## Details



**TUESDAYS**  
6:30 PM - 8:30 PM



**ONLINE**  
Eastern Daylight Time



**OCT - DEC 2022**  
(10 weeks)



**\$140.00 CAD**

