STEAM ENGINE
BEGINNER
Grades 5-8

TUESDAYS OR WEDNESDAYS
4:00 - 6:00 PM

OCT - DEC 2021
(10 weeks)

ONLINE
Eastern Daylight Time

$125.00
FREE spots available at specific schools thanks to:

HAMILTON
COMMUNITY
FOUNDATION

GENERAL MOTORS
CANADA

Description

STEAM Engine Virtual is a weekly online program that engages middle school (grades 5 - 8) students in STEM, right from the comfort of their home! In this course, we place students on an exciting journey into STEAM concepts such as Mars exploration, 3D modeling, graphic design and coding through exciting hands-on projects in a fun and engaging environment.

In this course, learners will build their fundamental understanding of these topics through live demonstrations and fun and engaging exercises that bring the power of play into the world of technology. Over 10 weeks, students will design a 3D models of objects in Tinkercad, create graphics in Canva, and learn fundamental coding concepts using block coding in Scratch! Combining these new skills, learners will create engaging animations about Mars and challenges of living on the Red Planet, exploring concepts about space sciences throughout!

How To Register:
Visit www.mathstronauts.ca/Programs to register online by October 12, 2021.

Innovative   **Skills Focused**   **Experiential**   **Virtual**

CONTACT US: *contact@mathstronauts.ca*   **SCHOOL CONTACT:**   **2021 - 2022**

STEAM ENGINE
INTERMEDIATE
Grades 5-8

www.mathstronauts.ca

THURSDAYS
4:00 - 6:00 PM

OCT - DEC 2021
(10 weeks)

ONLINE
Eastern Daylight Time

$125.00
FREE spots available at specific schools thanks to:

HAMILTON COMMUNITY FOUNDATION

GENERAL MOTORS
CANADA

Description

STEAM Engine Virtual - Intermediate Level is a weekly online program in which middle school students (Grades 5 - 8) explore the world of science and technology! At the Intermediate Level, we take Beginner concepts to a whole new level, exploring brand new topics through exciting hands-on projects in a fun and engaging environment.

In this weekly online program students will learn and apply new concepts in 3D modeling, graphic design and coding (in Python) to explore the exciting area of App Development! Over 10-weeks, students will 3D model a Weather Station, create graphics for their very own app, and use new coding concepts to program a fully functional Weather App using real time data from an application programming interface (API)! Learners will also explore various topics in climate sciences and how scientists and engineers predict weather patterns on Earth.

How To Register:
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Innovative   **Skills Focused**   **Experiential**   **Virtual**

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