



mathstronauts
educate • enrich • inspire

PRESENTS

STEAM Engine In-Class

Grades 5-8

www.mathstronauts.ca



Description

STEAM Engine is a weekly program that engages middle school students (grades 5 - 8) in STEM! In this course, we take students on an exciting journey into STEAM concepts such as Mars exploration and coding through an exciting hands-on project in a fun and engaging environment.

In STEAM Engine In-Class (previously called Condensed), 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 5 weeks, students will learn fundamental coding concepts using block coding in Scratch to create engaging animations about Mars and challenges of living on the Red Planet, exploring concepts about space sciences throughout!

How To Register:

Visit our [Educator Registration Portal](#) to register by **October 16, 2022**. In total there will be 10 - 15 slots available for the Fall term, and 10-15 slots available for the Winter term. If two educators are requesting the program at the same school, it must take place on the same day, one session after another. Please speak with your fellow staff members prior to registering.

We will take every effort to ensure that this program takes place in at least 1 classroom in all HWDSB and HWCDSB high priority or equal opportunity schools. As such, please await confirmation from Mathstronauts upon registering.



Details



DATE AND TIME
Varies (during class time)



CLASSROOM TECHNOLOGY NEEDED
Tablets or Laptops (1:1 or 1:2)



OCT - DEC 2022
(5 weeks)



FREE!
Thanks to:





PRESENTS

STEAM Engine IGNITION

Grades 5-8
Afterschool Version (Online)

www.mathstronauts.ca



Description

STEAM Engine is a weekly online program that engages middle school students (grades 5 - 8) in STEM! In this course, we take 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 STEAM Engine Ignition (previously called Beginner), 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 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/register to register by **October 16, 2022**.



Details



TUESDAYS OR WEDNESDAYS
4:00 PM - 6:00 PM



ONLINE
Eastern Daylight Time



OCT - DEC 2022
(10 weeks)



FEES
a. Students from **High Priority Schools: FREE!**

Thanks to: **HAMILTON COMMUNITY FOUNDATION** **GENERAL MOTORS CANADA**

b. Students from **all other schools: \$125.00**

