



IGNITE PROGRAM

Coding and Design Fundamentals

Grades 9 - 12

ABOUT US :

Mathstronauts is a federally incorporated non-profit organization founded in 2016 in Hamilton, Ontario. We develop and deliver high quality, inclusive, equitable STEM programs to students in grades 4 to 12 in underrepresented communities of Ontario.

Our mission is to **remove barriers and empower young people to develop digital technology and STEM skills** using a multidisciplinary project-based learning (PjBL) approach. Our pedagogical expertise and instructional strategies create meaningful learning opportunities for youth to experience STEM in novel ways.

[Learn more](#)



CONTACT US :
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IGNITE Program

Coding and Design Fundamentals

Learn how to design and code a functional app

Through this weekly online course, students will learn fundamental skills in **3D modeling** using FreeCAD, **graphic design principles** using Canva, learn how to **code in Python** programming and apply all learning to App Development.

Culminating the experience, learners will use Python to **program a fully functional Earth and Mars Weather App**.

Learn more about the program:

[IGNITE Program](#) 

Open Registration

Fall Term: Early September
Winter Term: Early January



WHY IGNITE PROGRAM?

01

Convenient

Engage in a fun STEM course, right from the comfort of your home!

02

Introduce STEM and coding early

Early exposure lays a strong foundation for more advanced STEM learning in the future.

03

Prepare for Future Opportunities

STEM-related careers are in high demand. IGNITE Program shows our students exciting potential career paths in STEM.

