



PRESENTS





INTRO TO CAD

IGNITE PROGRAM

Grades 9-12



Description

-  **TUESDAYS**
6:30 - 8:30 PM
-  **FEB - APR 2022**
(10 weeks)
-  **ONLINE**
Eastern Daylight Time
-  **\$130.00 CAD**

Intro to CAD is a 10-week course in which high school students (Grades 9 - 12) will explore and become fluent in Computer Aided Design (CAD)! In this course, we take learners on a journey to create, modify, optimize and analyze 3D structures, by learning and applying fundamental mathematical and physics concepts including cartesian planes, coordinate systems and Newtonian physics (forces).

Learners will perform advanced level analysis on their designs such as assembly and Finite Element Analysis (FEA), similar to how these tools are used in the real world. In addition to many smaller projects that progressively develop their 3D modeling skills and toolkit, students will complete a summative project in which they will design, optimize and analyze a Solar Sail. Learners will also explore many topics related to aerospace sciences such as aerodynamics, spacecraft designs and space missions!

How To Register

Visit www.mathstronauts.ca/Programs to register by **January 31, 2022**.



Innovative



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More information: Visit www.mathstronauts.ca or email contact@mathstronauts.ca

2021 - 2022