



MCMMASTER START CODING IN-CLASS LESSONS

Sign your class up for up to 3 2-hour coding workshops in May or June! The workshops are free, virtual, and ideal for grades 4–8. For more information about lessons, visit outreach.mcmaster.ca/#lesson1.

For information about our summer camps, visit outreach.mcmaster.ca/#camps.

Workshop 1: Lesson 1&2

This workshop will teach kids how to code pictures in Elm. They will learn about and use:

- 2D cartesian coordinates
- basic shapes and dimensions (radius, width, height)
- angles
- transformations (shifts, rotations, scaling)

Workshop 2: Lesson 3&4

This workshop will teach kids how to code animations in Elm. They will learn about and use:

- everything from workshop 1 (quick refresher)
- variables and functions

Workshop 3: Herograms

Herograms were invented at our first Virtual Designathon. This workshop will teach kids how to make virtual postcards for our healthcare heroes. They will learn about and use:

- everything from workshop 1 and 2 (quick refresher)
- piecewise quadratic curves



REGISTER AT [HTTPS://FORMS.GLE/BPGVWU3HBHX7EEJD9](https://forms.gle/BPGVWU3HBHX7EEJD9)