

4-H PEI STEAM Project in a Day

March 25th

10am - 2pm

STEAM Education Centre, Charlottetown (8 Stan MacPherson Wy Suite 102)



70 min sessions with a 30 min break for lunch

Session 1: Introduction to 3D Printing

Members will be introduced to the idea of Computer-Aided Design (CAD) and learn to model an object of their choice. Using TinkerCAD, members will be given a brief introduction on how to use the software and will have the remainder of the session to explore its functions with assistance from instructors. Once satisfied with their creations, members will learn how to prepare their objects to be 3D printed.

Session 2: Graphic Design Sticker Making

Members will be introduced to Adobe Illustrator and briefly shown some of its functions. They will then have the remainder of the session to design an image that will later be made into a sticker. Once satisfied with their designs, the members will learn how to set their design into the Cricut design space and have the machine create their sticker.

Session 3: Scratch Animation / Game Level Design

Members will be introduced to the Scratch software and the function of block coding. They will have the session to create a short animation or game level to play through.