

## WORKSHOPS

### **Code & Operate a Mini Robotic Car!**

March 16<sup>th</sup>

Participants will learn to program and operate a small robotic car. Activities include use of different sensors (ultrasonic, IR, color), line-following, and driver versus autonomous control.

### **Laser Cutting & Engraving**

March 17<sup>th</sup> & April 7<sup>th</sup>

Participants will learn how to use a laser system to cut and engrave acrylic and glass. Participants will be able to keep the items they make, including an engraved drinking glass. For beginners.

### **Intro to 3D Design & Printing**

March 21<sup>st</sup>

Would you like to learn how to draw and 3D print a design? Do you have no to little experience with CAD (computer aided design) software and 3D printing? If so, then this is the class for you!

### **Creating Prototypes & Solving Design Challenges**

March 24<sup>th</sup>

Participants will learn to use various machinery (3D printer, plastic forming center, wire bender, etc.) and a CAD (computer aided design) software program to solve design challenges.

### **Arduino & Raspberry Pi**

March 24<sup>th</sup> & 31<sup>st</sup>

Participants will learn how to build circuits with Arduino and how to build their very own website using Raspberry Pi. This workshop is intended for beginners with no experience.

### **Mother's Day Gift Making**

April 29<sup>th</sup>

Use your creativity and some technology to create a Mother's Day gift at the NOVA Fab Lab! We will help you design and personalize a gift using one of our 3D printers. No 3D printing experience necessary.

Sign-up for NOVA Fab Lab Workshops at [workshop.novastem.us/FabLab](http://workshop.novastem.us/FabLab)

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## SPECIAL EVENTS

### **Community Open House**

March 14<sup>th</sup>

Open to the public with free hands-on activities for all age levels!

Register now at

[expo.novastem.us/CommunityOpenHouse](http://expo.novastem.us/CommunityOpenHouse)

### **Thursday Demo Nights**

5:30-6:30pm

Each Thursday we will be giving an overview and demonstration on how a specific piece (or group) of fabrication equipment works.

Register now at

[workshop.novastem.us/DemoNight](http://workshop.novastem.us/DemoNight)

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