



Winter and Spring Classes 2025

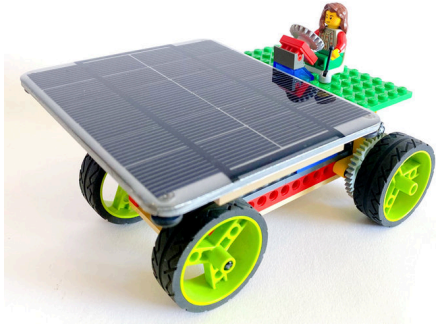
Registration Opens
Saturday, November 2nd
at 10:00 am

Please take a look at our upcoming schedule listed below.
Hope to see you in class!

-Ben



Winter 2025
January 13 - February 20

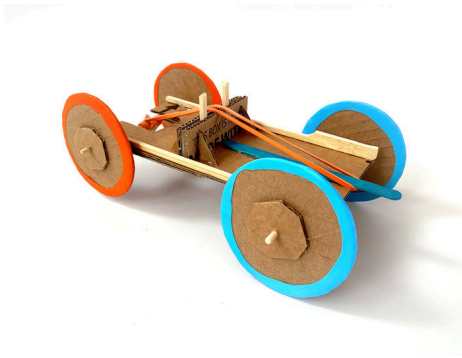


Green Engineering with LEGO®

Ages: 5 - 9
Mondays 10:00 - 12:00 pm
6 weeks, 1/13 - 2/17
\$220

Ages: 8 - 12
Thursdays 1:00 - 3:00 pm
6 weeks, 1/16 - 2/20
\$220

Engineer ocean cleanup vessels, design energy efficient homes, and collaborate to build a recycling center! Learn how engineers develop technology that helps maintain a healthy balance with our environment.



Cardboard Creations

Ages: 8 - 12
Mondays 1:00 - 2:30 pm
6 weeks, 1/13 - 2/17
\$165

Grab some glue, duct tape and scissors then transform old cardboard scraps into mechanisms that roll, fly, spin and launch! Learn how we can harness the force of rubber bands, gravity and air pressure to power our creations. Students will be able to take home their creations after class. Recycling was never so much fun!

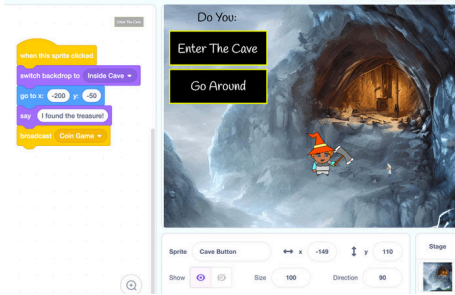


Robotics with LEGO®: Wonders of Nature

Ages: 8 - 12
Mondays 3:30 - 5:30 pm
6 weeks, 1/13 - 2/17

Ages: 5 - 9
Tuesdays 3:30 - 5:30 pm
6 weeks, 1/14 - 2/18
\$220

Blend the technical realm of robotics with the breathtaking engineering found around us in the natural world! Build LEGO® mechanisms with Spike Prime motors and sensors, and then program them on a computer to perform various functions. Each project will be inspired by movements like a flapping wing, a snapping jaw, a blooming flower, or even a swirling tornado! Enjoy learning the fundamentals of engineering and programming logic while appreciating the natural wonders all around us.



Scratch Programming: Choose Your Own Adventure

Ages: 8 - 12
Tuesdays 1:00 - 2:30 pm
6 weeks, 1/14 - 2/18
\$165

Design and program your very own interactive Choose-Your-Own-Adventure story in Scratch!

Learn how to map out stories that take twists and turns, resulting in multiple endings. Create your characters, scenes, animation, dialogue and even incorporate mini-games that your reader can play. Have fun as we combine the worlds of programming logic and storytelling to bring your legends to life! No programming experience necessary, and experienced programmers are welcome.



Engineering with LEGO®: US History Unit 2

Ages: 8 - 12
Tuesdays 10:00 - 12:00 pm
12 weeks, 1/14 - 4/15
\$440

Ages: 8 - 12
Thursday 10:00 - 12:00 pm
12 weeks, 1/16 - 4/17
\$440

Continue on our journey as we explore the history of our country with LEGO®! In Unit Two, we will start with the period of Reconstruction and Industrialization, learn about World Wars I and II, and work our way up to the Modern Era including Civil Rights Movements and even the development of the Space Program. Construct the Statue of Liberty, the Wright Flyer, Edmund Pettus Bridge and the Apollo Lunar Module! Please note that space will be limited, as priority is given to families registered in our Unit One course.

(Unit 2 of 2)

Spring 2025

March 3 - April 17

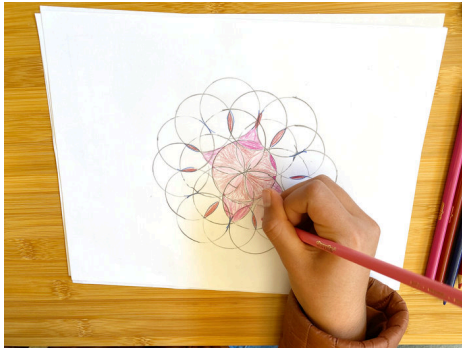


Engineering with LEGO®: Greek Mythology

Ages: 5 - 9
Mondays 10:00 - 12:00 pm
6 weeks, 3/3 - 4/14 *no class 3/24
\$220

Ages: 8 - 12
Thursdays 1:00 - 3:00 pm
6 weeks, 3/6 - 4/17 *no class 3/27
\$220

Construct the flapping wings of Icarus, help Sisyphus push his boulder up the mountain, and collaborate to build a massive Trojan Horse! Learn concepts in engineering and architecture as we find ways to incorporate our own creativity into each project. Join us as we bring Greek Mythology to life through motorized LEGO® mechanisms and structures.



Artistic Math

Ages: 8 - 12
Mondays 1:00 - 2:30 pm
6 weeks, 3/3 - 4/14 *no class 3/24
\$165

How does a snowflake relate to a beehive? How does a turtle shell mirror the cycles of the moon? In this unique math class, we explore mathematical principles in natural and human-made objects. Through drawings and LEGO® creations, we will identify recurring geometric patterns that we find all around us. Join us on this creative approach to the realm of math!

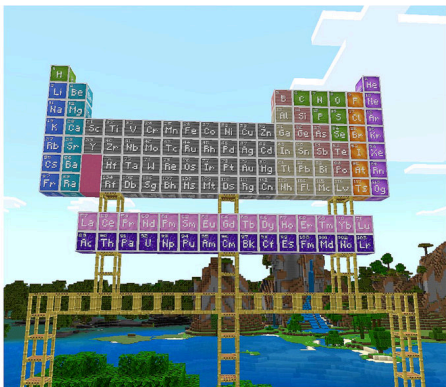


Robotics with LEGO®: Fun at the Fair

Ages: 8 - 12
Mondays 3:30 - 5:30 pm
6 weeks, 3/3 - 4/14 *no class 3/24

Ages: 5 - 9
Tuesdays 3:30 - 5:30 pm
6 weeks, 3/4 - 4/15 *no class 3/25
\$220

Welcome to our fully automated County Fair! Using LEGO® Spike Prime, we will build and code robotic rides and games including Ferris Wheels, swing rides, and dunk booths. Program color sensors to act as ticket machines and force sensors to ramp up the speed of your rides. Add some creative decorations and modifications, and then welcome your minifigures to the Fair!



Minecraft®: Intro to Chemistry

Ages: 8 - 12
Tuesdays 1:00 - 2:30 pm
6 weeks, 3/4 - 4/15 *no class 3/25
\$165

Explore the building blocks of our world through chemistry! Using Minecraft Education, we will create atomic models of the elements and their isotopes, and then see how they can be combined to create compounds. Learn how to use the Periodic Table and how to read molecular formulas. Then have fun crafting your chemical creations into special Minecraft items like colored torches, helium balloons and underwater TNT! No prior knowledge of chemistry or Minecraft is necessary.

If you have any questions or concerns, feel free to email me at Ben@BeyondtheToolbox.com.

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