School Year 2025-2026 Classes

Concentration	Grade	Quarter 1: Sep 11 - Nov 6	Quarter 2: Nov 8 - Jan 22	Quarter 3: Jan 24 - March 29	Quarter 4: April 1 - June 7	Time(s) Offered
LEGO Engineering and Robotics	G1-3	Learn LEGO robotics using human power (cranks, levers, winches), electronics (motors, sensors, computers), and programming. Create your own LEGO masterpieces!				Saturday, 10:15 - 11:30 AM
Engineering and Robotics & FIRST LEGO League Explore	G1-3	Learn LEGO robotics using human power (cranks, levers, winches), electronics (motors, sensors, computers), and programming.		Employ new skills as part of an FLL Explore team that will present at our Robotics Festival. FLL Explore teams meet for Q3 and Q4.		Sunday, 2 - 3:15 PM
First LEGO League Challenge & Vex IQ	G4-8	Join an Einstein's Workshop FIRST LEGO League (FLL) Challenge team for the first half of the school year.		Try a Vex IQ Robotics competition in the second half of the school year.		Saturday, 10:15 - 11:45 AM Sunday, 2 - 3:30 PM
Jr. LEGO Engineers	K-1		Intro LEGO robotics (Q2 only)			Sunday, 4:15 - 5:30 PM
FIRST LEGO League Skills	G3-8			Learn skills to join an FLL team. (Q3 only)		Sunday, 4:15 - 5:30 PM
Learning in Minecraft	G1-3	Minecraft is a great motivator! The kids think they're playing a game, but we know they're learning a lot! Q1: Roller Coaster Design Q2: Architecture Q3: Math Q4: Programming Monster Traps and Electronics				Saturday, 12 - 1:15 PM
Hands-On STEAM 1.0	K-1	A great introduction to Einstein's Workshop and Maker culture. Q1: LEGO Jr. Engineers Q2: Young Inventors Squad Q3: Introduction to Electronics Q4: Maker Art				Sunday, 10:15 - 11:30 AM
Hands-On STEAM 2.0	G2-3	A great introduction to Einstein's Workshop and Maker culture. Q1: Being Newton, Fun with Physics Q2: Introduction to Programming with Scratch Q3: mBot Robots Q4: Computer Art and Making Things				Sunday, 1:45 - 3 PM

Classes and Concentrations that may be joined on a rolling basis throughout the school year

Real Mad Scientists	G3-5	Recreate experiments inspired by famous chemists, physicists, biologists, and mathematicians!				Saturday, 2:30 - 3:45 PM
Space Exploration with Kerbal Space Program	G4-8	Learn about space exploration--from rocket design, to control, to orbital mechanics. Create your own space vehicle and the rockets to launch it! Learn by playing Kerbal Space Program, which NASA engineers say is a fantastic way to learn the science of space exploration.				Saturday, 4:15 - 5:30 PM
Programming with Scratch	G2-6	Learn or improve at Scratch, a programming language developed at MIT that caught on worldwide. Tell stories and write computer games. For beginners and kids who already know some Scratch.				Sunday, 4:15 - 5:30 PM
Computer Game Development: Minecraft Modding & Video Game Design	G4-8	Learn how to create Minecraft Mods using Java. No previous Java experience required!		Learn to design and build video game levels using Unreal Engine, a powerful open-source industry tool used to make many top games.		Sunday, 10:15 - 11:30 AM
Java Animation and Games	G6-12	Learn how to use Java to make Animation, Games, and Art!				Saturday, 1:45 - 3 PM
Programming with Python and Introduction to AI	G6-12	Learn or get better at programming in Python. We'll follow students interests with possible choices including making games using Ren'Py or Pygame, an introduction to AI, preparing for the USA Computing Olympiad, and more.				Saturday, 10:15 - 11:30 AM
3D-Print and Lasercut Design and Fabrication 1.0	G4-6	A great intro to Maker tools following students' interests. Possible choices include design for 3D-printing, laser-cutting, arduino or other electronics, stop motion animation, computer art, board game design, and more.				Sunday, 12:15 - 1:30
3D-Print and Lasercut Design and Fabrication 2.0	G6-12	Learn or improve your knowledge of Maker tools including design for 3D-printing, laser-cutting, arduino or other electronics, stop motion animation, computer art, board game design, and more.				Sunday, 12:15 - 1:30
Math Club Jr.	G1-3	Welcome to the secret world of mathematicians! Experiment with ideas and see what you can discover. Through hands-on activities, explore areas of math not usually taught until college. Engage in the playful side of math!				Thursday, 4:30 - 5:45 PM Saturday, 12:45 - 2 PM
Math Club	G4-8	Experience the joy of mathematical problem solving. Through self-paced exercises, instruction, and interactive learning opportunities, enjoy interesting problems the from elementary and middle school Math Olympiad (MOEMS) & Math Kangaroo competitions. Also explore areas of math not usually taught until college.				Thurs, 4:30 - 6 PM (G4-6) Thurs, 6:30 - 8 PM (G6-8)
Minecraft Adventures	K-6	Learn the meaning of good digital citizenship, teamwork, and how to use computers, including keyboard and mouse skills, while playing Minecraft in a safe and supervised environment.				Sunday, 12 - 1:30 PM
Chess Club	K-8	Learn to play chess and practice with your classmates. Learn fun facets of chess history.				Sunday, 10:15 - 11:30 AM
Dungeons & Dragons	G4-12	Embark on grand adventures! Explore long lost lands, battle perilous foes, and make new friends along the way. Dungeons & Dragons is great for developing imagination, creative problem solving, and teamwork.				Saturday, 3:30 - 5:30 PM Sunday, 3:30 - 5:30 PM

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