



Einstein's Workshop

Concentrations: School Year 2023-2024



Concentration Name	Grade Range	Quarter 1 September 16 - November 9	Quarter 2 November 11 - January 25	Quarter 3 January 27 - March 31	Quarter 4 April 6 - June 6	Times Offered
LEGO Engineering and Robotics 1.0	1-3	Amazing LEGO Machines	Advanced LEGO Robotics	FIRST LEGO League Explore	Jr LEGO Masters	Sunday, 10 - 11:15 AM
LEGO Engineering and Robotics 2.0	4-8	FIRST LEGO League Challenge team: advanced robotics with remaining time		VeX IQ Challenge	Rube Goldberg Machine	Saturday, 3:45 - 5:15 PM Sunday, 10 - 11:30 AM
Minecraft STEAM Classroom 1.0	1-3	Minecraft Roller Coaster Design	Minecraft Architecture	Minecraft Math	Minecraft Themepark	Saturday, 10:15 - 11:30 AM
Minecraft STEAM Classroom 1.5	3-5	Minecraft Architecture	Creating Camelot: Medieval History and Combat	Redstone Engineering	My First Minecraft Mod	Thursday, 4:15 - 5:30 PM
Minecraft STEAM Classroom 2.0	4-6	Creating Camelot: Medieval History and Combat	Redstone Engineering	Minecraft Parkour	My First Minecraft Mod	Sunday, 1:45 - 3 PM
Computer Programming 1.0	3-6	Scratch Programming	Advanced Scratch Techniques	More Advanced Scratch Techniques	Even More Advanced Scratch Techniques	Sunday, 10 - 11:15 AM
Computer Programming 2.0	6-8	Introduction to Java Animation and Games	Java Minecraft Modding	Advanced Java Minecraft Modding	TBD	Saturday, 2 - 3:15 PM
Hands-On STEAM 1.0	K-2	LEGO Junior Engineers	Coding for Kids	Young Inventors Squad	Intro to Electronics: Fun with Circuits	Wednesday, 4:15-5:30 PM (K-2) Saturday, 12:15 - 1:30 PM (K-1)
Hands-On STEAM 2.0	2-3	Being Newton: Fun with Physics	Intro to Programming with Scratch	Computer Art and Making Things	Program mBot Robots with Scratch	Saturday, 2 - 3:15 PM
Hands-On STEAM 3.0	4-6	3D Printing Design	Stop Motion Animation	Lasercut Glowbox	Design Your Own Board Game	Sunday, 12 - 1:15 PM
Hands-On STEAM 4.0	6-8	3D Printing Design	Arduino Electronics and Programming	Lasercut Glowbox	Design Your Own Board Game	Sunday, 12 - 1:15 PM
Hands-On STEAM 5.0	9-12	Fabrication with 3D Printers & Laser-cutters		Arduino Electronics and Programming		Sunday, 1:45 - 3 PM
Science and Engineering	3-5	Being Newton: Fun with Physics	Handmade Robots and Upcycled	Inventors Squad	Fun With Things That Fly	Saturday, 2 - 3:15 PM
Computer Art and Story-Telling	4-8	Digital Art	Stop Motion Animation	Minecraft Story-Telling	How to Be a Youtuber	Saturday, 12:15 - 1:30 PM
Minecraft Adventures	K-4	Minecraft Adventures	Minecraft Adventures	Minecraft Adventures	Minecraft Adventures	Sunday, 12 - 1:30 PM
Dungeons & Dragons	4-10	Dungeons & Dragons	Dungeons & Dragons	Dungeons & Dragons	Dungeons & Dragons	Saturday, 3:45 - 5:45 PM (G4-8) Sunday, 3:30 - 5:30 PM (G4-6) Sunday, 3:30 - 5:30 PM (G7-10)