



# Concentrations: School Year 2023-2024



Concentration Name	Grade Range	Quarter 2 November 11 - January 25	Quarter 3 January 27 - March 31	Quarter 4 April 6 - June 9	Times Offered
LEGO Engineering and Robotics 1.0	G1-3	Advanced LEGO Robotics	LEGO Engineering Festival	Jr LEGO Masters	Sunday, 10 - 11:15 AM
LEGO Engineering and Robotics 2.0	G4-8	FLL team (started Q1)	VeX IQ Challenge	Rube Goldberg Machine	Sunday, 10 - 11:30 AM
FLL Skills	G3-8		FLL Robotics Skills		Saturday, 12:15 - 1:30 PM
Minecraft STEAM Classroom 1.0	G1-3	Minecraft Architecture	Minecraft Math	Minecraft Themepark	Saturday, 10:15 - 11:30 AM
Minecraft STEAM Classroom 2.0	G3-6	Creating Camelot: Medieval History and Combat	Minecraft Architecture New Worlds!	My First Minecraft Mod	Thursday, 4:15 - 5:30 PM Sunday, 1:45 - 3 PM
Computer Programming 1.0	G3-6	Advanced Scratch Techniques	More Advanced Scratch Techniques	Even More Advanced Scratch Techniques	Sunday, 10 - 11:15 AM
Computer Programming 2.0	G6-8	Intermediate Java Animation and Games	Java Minecraft Modding	Advanced Java Minecraft Modding	Saturday, 2 - 3:15 PM
Hands-On STEAM 1.0	K-2	Coding for Kids	Young Inventors Squad	Intro to Electronics: Fun with Circuits	Wed, 4:15-5:30 PM (K-2) Sat, 12:15 - 1:30 PM (K-1)
Hands-On STEAM 2.0	G2-3	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	G4-6	Stop Motion Animation	Lasercut Glowbox	Design Your Own Board Game	Sunday, 12 - 1:15 PM
Hands-On STEAM 4.0	G6-12	Fabrication with 3D Printers & Laser-cutters	Lasercut Glowbox	Arduino Electronics and Programming	Sunday, 12 - 1:15 PM
Science and Engineering	G3-5	Handmade Robots and Upcycled Machines	Inventors Squad	Fun With Things That Fly	Saturday, 2 - 3:15 PM
Computer Art and Story-Telling	G4-8	Stop Motion Animation	Minecraft Story-Telling	How to Be a Youtuber	Saturday, 12:15 - 1:30 PM
Math Club Jr.	G1-3		Math Club Jr. (Enter on a rolling basis)	Math Club Jr. (Enter on a rolling basis)	Saturday, 12:30 - 1:45 PM
Math Club	G4-8	Math Club (Enter on a rolling basis)			Thursday, 4 - 5:30 PM (G4-6) Thursday, 6:30 - 8 PM (G4-8)
Minecraft Adventures	K-4	Minecraft Adventures (Enter on a rolling basis)			Sunday, 12 - 1:30 PM
Dungeons & Dragons	G4-10	Dungeons & Dragons (Enter on a rolling basis)			Sat, 3:45 - 5:45 PM (G4-8) Sun, 3:30 - 5:30 PM (G4-6) Sun, 3:30 - 5:30 PM (G7-10)
Build Your Own Computer Workshop	G4 - adult	One day - Dec. 27, 10 AM - 2 PM			One day - Dec. 27, 10 AM - 2 PM