



SUMMER STEM CAMP 2024

Calendar (College Gardens Elementary School)

BE: Budding Engineers (k & 1st Graders); YE: Young Engineers (2nd & 3rd Graders); SE: STEM Explorers (4th & 5th Graders)

Month	Summary	Mon	Tue	Wed	Thu	Fri
Jun 2024		17 No Camp	18 No Camp	19 No Camp	20 No Camp	21 No Camp
	Wk 1: Robots BE: My First Robot YE: Scribbler Robot SE: Scribbler Robot Language: Graphical Programming (Blocky)	24 STEM Video: Robots and Programming Introduction	25 Spelling Bee/Math Drill Navigation (Hard coding)	26 Ice-Cream and Cupcakes Social Foreign Language Light Sensing	27 STEM-Based Basketball Contest Object detection	28 STEM Fun day Build-a-thon, popsicles Line tracking
July 2024	Wk 2: No Camp this week	1 No Camp	2 No Camp	3 No Camp	4 No Camp (Independence Day)	5 No Camp
	Wk 3: STEM Coding (Take Home Microbit) STEM Projects: BE: My First Code YE: Coding 101 SE: Coding 201 Program your Microbit in Python	8 STEM Video Controlling LEDs, displaying text, playing sounds	9 Spelling Bee/Math Drill Conditional statements – using buttons and LEDs	10 Foreign Language Program to measure temperature and Motion (count steps)	11 STEM-Based Basketball Contest For Loops and while loops	12 STEM Fun day Build-a-thon. Fun composing melodies
	Wk 4: Robots BE: Scribbler Robot Graphical Programming YE: Cyberbot SE: Cyberbot Autonomous robots - Program in Python	15 STEM Video: Robots and Programming Introduction	16 Spelling Bee/Math Drill Navigation (Hard coding)	17 Foreign Language Maze – program your robot to exit maze	18 STEM-Based Basketball Contest Maze – program your robot to exit maze	19 STEM Fun day Build-a-thon, popsicles Object detection
	Wk 5: Green Engineering BE: Eco-Science Projects YE: Eco-House Project SE: Eco- City Project	22 STEM Video	23 Spelling Bee/Math Drill	24 Foreign Language	25 STEM-Based Basketball Contest	26 STEM Fun day Build-a-thon, popsicles
	Wk 6: Structures: BE: Intro to Bridges (B ¹) YE: Intro to Bridges (I ²) SE: Intro to Bridges (A ³)	29 STEM Video	30 Spelling Bee/Math Drill	31 Foreign Language	Aug 1 STEM-Based Basketball Contest	Aug 2 STEM Fun day Build-a-thon, popsicles

¹Beginner
²Intermediate
³Advanced



SUMMER STEM CAMP 2024

Daily Schedule (College Gardens Elementary School)

09:00am – 09:50am	Regular arrival, board/table games, free play
09:50am – 10:00am	Morning Rally
10:00am – 11:00am	STEM Hands-On Workshop
11:00am – 11:30pm	Recess (outdoor/indoor depending on weather)
11:30pm – 12:15pm	Lunch Break
12:15pm – 01:00pm	Academic Enrichment
01:00pm – 02:00pm	STEM Hands-On Workshop
02:00pm – 02:45pm	Free time
02:45pm – 03:45pm	M: STEM Videos and Popcorn T: Spelling Bee/ Math Drill W: Foreign Language Enrichment (Chinese or Spanish) TH: STEM-Based Basketball Contest F: STEM Fun Day – Build-a-thon, Cotton Candy, etc.
Fun after Camp	
04:00pm – 04:30pm	Snack Time
04:30pm – 05:30pm	Outdoor/Indoor Play (depending on weather)
05:30pm – 06:00pm	Centers (computers, E-Lab, reading, sports/games, Wii, Switch, Anki Over-drive, Xbox, Library)

¹Beginner

²Intermediate

³Advanced

M: STEM Videos and Popcorn T: Spelling Bee/ Math Drill, etc. are Daily Specials