STEM
AFTERSCHOOL ACADEMY

SUMMER STEM CAMP 2025
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 2025		**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)	**23** STEM Video: Robots and Programming Introduction	**24** Spelling Bee/Math Drill Navigation (Hard coding)	**25** Ice-Cream and Cupcakes Social Foreign Language Light Sensing	**26** STEM-Based Basketball Contest Object detection	**27** STEM Fun day Build-a-thon, popsicles Line tracking
July 2025	**Wk 2: No Camp this week**	**June 30** No Camp	**1** No Camp	**2** No Camp	**3** No Camp	**4** No Camp (Independence Day)
	Wk 3: STEM Coding (Take Home Microbit) STEM Projects: BE: My First Code YE: Coding 101 SE: Coding 201 Program your Microbit in Python	**7** STEM Video Controlling LEDs, displaying text, playing sounds	**8** Spelling Bee/Math Drill Conditional statements – using buttons and LEDs	**9** Foreign Language Program to measure temperature and Motion (count steps)	**10** STEM-Based Basketball Contest For Loops and while loops	**11** STEM Fun day Build-a-thon. Fun composing melodies
	Wk 4: Robots BE: Cyberbot - MakeCode Graphical Programming YE: Cyberbot SE: Cyberbot Autonomous robots - Program in Python	**14** STEM Video: Robots and Programming Introduction	**15** Spelling Bee/Math Drill Navigation (Hard coding)	**16** Foreign Language Maze – program your robot to exit maze	**17** STEM-Based Basketball Contest Maze – program your robot to exit maze	**18** STEM Fun day Build-a-thon, popsicles Object detection
	Wk 5: Robots BE | YE | SE Navigation using Touch, Infrared and Visible light sensors	**21** STEM Video Robots and programming	**22** Spelling Bee/Math Drill Navigation - Touch	**23** Foreign Language Navigation - Visible Light	**24** STEM-Based Basketball Contest Navigation - Infrared	**25** 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])	**28** STEM Video	**29** Spelling Bee/Math Drill	**30** Foreign Language	**31** STEM-Based Basketball Contest	**Aug 1** STEM Fun day Build-a-thon, popsicles

[1]Beginner
[2]Intermediate
[3]Advanced

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

SUMMER STEM CAMP 2025

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)

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