

# STEM SUMMER CAMPS

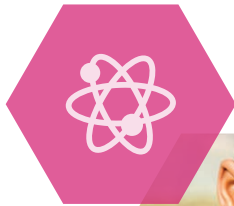
## 2020 Camp Guide



## Turn Summer Break into Summer Breakthroughs!

*"My daughter just finished raspberry pi computer engineering camp...she built two working games that she devised and programmed herself. I haven't seen her this happy or mentally satisfied in a long time!"*

– Parent Testimonial



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E D U C A T I O N

Voted "BEST OF LOUDOUN"



Voted "BEST OF NOVA"

Northern Virginia

# STEM Summer Camps 2020 – Ashburn

	Gr 1-3 (rising)	Gr 4-6 (rising)	Gr 6-12 (rising)	Advanced Gr 8 -12 (rising)
June 15 - 19	LEGO Engineering Or Digital Arts, Crafts & Stop Motion Animation	Movie Masters: Video Production Or Roblox Game Design	Graphic Design with Adobe Or Python Programming	
	Creative Writing & Storybook Creation Or Jr. Coding & Robotics	Robotics & Coding Or Minecraft Game Design & Modding	3D Modeling & Printing with Blender Or Website & Mobile App Design	
June 29 - July 2 (4 Days)	All Things Science Or Character Creation and 2D Animation	Intro to Coding with Swift Playgrounds Or Comic Book Illustration & Character Design	3D Game Design with Unreal Or Coding & Robotics with VEX & mBot	
	3D Art - Sculpting, Modeling & Printing Or Journey Through Space	Intro to Python & Raspberry Pi Or 2D Game Design with FlowLab	Movie and Video Production	Cyber Security & Encryption
July 13 - 17	Jr. Game Design & Coding Or Science Camp: Ocean Explorers	3D Art - Sculpting, Modeling & Printing Or Advanced Minecraft Modding with Java	Java Programming Or Music Creation with GarageBand	Graphic Design-Branding & Advertising
	Inventors & Engineers Or Creative Writing & Storybook Creation	Rocket Science & Physics of Flight Or Movie Masters: Video Production	3D Animation with Blender Or Fortnite Level Design with Unreal Engine	C++ Programming
July 27 - 31	Science Camp: Intrepid Detectives Or LEGO Engineering - City Builders	Intro to Circuits - Microbit & LittleBits Or Creative Writing & Storytelling	Comic Book Creation & Character Design Or Computer Engineering - Python & Raspberry Pi	
	Digital Arts, Crafts & Stop Motion Animation Or Jr. Coding & Robotics	Digital Music Production Or Roblox Game Design	3D Modeling & Printing Or Fundamentals of CS & Programming	
Aug 10 - 14	Edible Science Or 3D Art - Sculpting, Modeling & Printing	Digital Animation and Stop Motion Or Minecraft Programming	iOS App Development Or Digital Animation - Animating like the Masters	
	Jr. Game Design & Coding Or Journey Through Space	Robotics & Coding LEGO EV3 (FLL Prep) Or 3D Art - Sculpting, Modeling & Printing	3D Game Design with Unity Or Movie and Video Production	Artificial Intelligence & Machine Learning
Aug 24 - 26 (3 Days)	STEM Camp	STEM Camp	Hackathon	STEM Entrepreneurship Workshop

# STEM Summer Camps 2020 – Reston

	Pre-K (4-5 yrs)	Gr 1-3 (rising)	Gr 4-6 (rising)	Gr 6-12 (rising)	Advanced Gr 8 -12
June 15 - 19	Junior LEGO Builders	Edible Science Or	Robotics & Coding Or	3D Game Design with Unreal Or	
		Jr. Coding & Robotics	Minecraft Game Design & Modding	Digital Photography	
June 22 - 26	Dr. Seuss Science	LEGO Engineering Or	Digital Music Production Or	Python Programming Or	
		Character Creation & 2D Animation	3D Art -Sculpting, Modeling & Printing Or MovieMasters:VideoProduction	Graphic Design with Adobe	
June 29 - July 2 (4 Days)	Get Smart through Art	3D Art - Sculpting, Modeling & Printing Or	Rocket Science & Physics of Flight Or	Digital Animation Or	
		Jr. Game Design & Coding	Creative Writing & Storytelling	Movie and Video Production	
July 6 - 10	Ooey Gooley Chemistry	Science Camp: Ocean Explorers Or	Minecraft Game Design & Modding Or	3D Game Design with Unity Or	Artificial Intelligence & Machine Learning
		Digital Arts, Crafts & Stop Motion Animation	Intro to Circuits - Micro:bit & LittleBits Or Performing Arts: Intro to Acting	Coding & Robotics with VEX & mBots	
July 13 - 17	Dynamite Dinos	Journey Through Space Or	Intro to Python & Raspberry Pi Or	iOS App Development Or	Advanced Music workshop - Create your own track or song
		Jr. Coding & Robotics	Roblox Game Design	Comic Book Creation & Character Design	
July 20 - 24	Dr. Seuss Science	Science Camp: Intrepid Detectives Or	Comic Book Illustration & Character Design Or	Movie Special Effects: Visual and Sound Design Or	
		LEGO Engineering - City Builders	Digital Music Production	Java Programming	
July 27 - 31	Junior LEGO Builders	Inventors & Engineers Or	Digital Animation & Stop Motion Or	3D Modeling & Printing with Blender Or	Cyber Security & Encryption
		Jr. Game Design & Coding	Scratch Coding & Computer Engineering	Performing Arts: Acting for the Screen	
Aug 3 - 7	Get Smart through Art	All Things Science Or	Movie Masters: Video Production Or	Digital Music: Vocal Training Or	C++ Programming
		3D Art: Sculpting, Modeling & Printing	2D Mobile Game Design Or Robotics & Coding	Website & Mobile App Design	
Aug 10 - 14	Ooey Gooley Chemistry	Creative Writing & Storybook Creation Or	3D Art - Sculpting, Modeling & Printing Or	Fortnite Level Design with Unreal Engine Or	Video Production: Make a Documentary
		Jr. Coding & Robotics	Roblox Game Design	Computer Engineering Python & Raspberry Pi	
Aug 17 - 21	Dynamite Dinos	Edible Science Or	Advanced Minecraft Modding with Java Or	Fundamentals of CS & Programming Or	Graphic Design: Branding and Advertising
		Character Creation & Stop Motion Animation	Rocket Science & Physics of Flight	Digital Music Production	

# STEM Summer Camp Information

Our STEM summer camps for rising grades PreK–12 combine fun and learning in one unforgettable experience. Students learn how to think and work like real engineers, scientists, creative designers, and developers. They get to work on cool projects, engage in fun, hands-on activities, and develop real-world products and digital creations.

## Registration Options:

- ▶ **Full Day Camp** (9a-4p) - \$355 / wk
- ▶ **Extended Day Camp** (8a-6p) - \$435 / wk
- ▶ **Half Day Camp** (9a-12p or 1p-4p) - \$245 / wk
- ▶ **Flex Day\* Camp** (9am-4pm) - \$80 / day

\*Pick your summer camp days

Note: Some camps have a supplies/lab fee of \$15-\$25

## Snacks & Lunch

- ▶ Snacks are included with camp registration
- ▶ Lunch is not included
- ▶ Students can bring their own lunch or purchase a lunch plan for \$40/wk

## Field Trips

- ▶ Weekly field trips are offered to local area attractions such as golf, ice skating, bowling, museums, zoos and parks.

## Academic Tutoring

- ▶ Private (1:1) tutoring is available during/after camp
- ▶ Campers receive discounted pricing for tutoring
- ▶ 30 mins - \$25 | 60 mins - \$45

## Camp Features

- ▶ 8:1 student to teacher ratio
- ▶ Hands-on STEM curriculum that combines fun and learning
- ▶ Fun indoor and outdoor break activities, games, challenges, and social time
- ▶ Students will be grouped by age and/or skill level in each camp
- ▶ They'll be taught by tech-savvy, experienced instructors with expertise in their fields and a passion for teaching

## Typical Camp Day

- ▶ **8am–9am:** AM Extended Care
- ▶ **9am–10:30am:** Instruction & project work
- ▶ **10:30am–11am:** Break
- ▶ **11am–12pm:** Instruction & project work
- ▶ **12pm–1pm:** Lunch Break
- ▶ **1pm–2:30pm:** Instruction & project work
- ▶ **2:30pm–3pm:** Break
- ▶ **3pm–4pm:** Instruction & project work
- ▶ **4pm–6pm:** PM Extended Care

## SAVE \$\$ with Multi-Camp Discounts

	Full Day	Ext. Day	Half Day
1 Camp	\$355	\$435	\$245
2-5 Camps	\$330	\$405	\$230
6+ Camps	\$305	\$375	\$215

Camps can be for any child in the family. Valid for any camp, any week, any location in the 2020 season. See website for details.

**Register Online**

[MindframeEducation.com/STEM-Camps](http://MindframeEducation.com/STEM-Camps)  
Call (703) 940-9440 for more information.

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Suite #160  
Ashburn, VA 20147

### Reston

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Reston, VA 20191

