

# STEM

# STEM Summer Camps

Grades 1-12

2018



Programming & App Development



Game Design



Robotics & Engineering



Digital Arts



Science



Academic Prep

## Registration Options

Full Day : 9am - 4pm

Ext. Day : 8am - 6pm

Half Day : 9am - 12pm

1pm - 4pm

Flex Day: Pick your days

Pay only \$95 per camp to hold your spot !

- Monthly payment plans available
- See website for details

## Too much fun to call it summer school ... but so much more than camp

Would you like to learn how to program a robot? Create your own App? How about designing and developing your own website?

Whatever your interest, we have a summer camp that will teach your child how to create and innovate rather than just participate. Why play someone else's game when you can design your own?

Our summer camps include hands-on, project-based activities with real world tools. This means you will leave our program not only with skills you need for school, college and beyond, but a portfolio demonstrating your accomplishments. Learning a new way to think has never been so fun!

## Our Camps Include:

- Instruction on the concepts and technologies, with fun, hands-on projects & activities
- Students will be grouped by age and/or skill level to allow them to learn and apply their new skills at a pace that's suitable for them
- Balanced Activities: All camps include fun break activities, indoors and outdoors, games, challenges, and social time
- 8:1 student to teacher ratio
- Field Trips: Each camp includes a field trip to local area attractions and parks
- Snacks: Two healthy snacks included

## Pricing

		Full Day	Half Day
	1 Camp	\$350	\$245
Family Pass	2-4 Camps	\$325	\$230
VIP Pass	5+ Camps	\$295	\$205

Multi-camp packages: Can be used by any child in the same family.  
Lab fees of \$15 may apply to certain camps for cost of materials and supplies.

## Camp Locations

### Ashburn

Mindframe Education  
44933 George Wash Blvd. Suite 160  
Ashburn, VA 20147

### Reston

Nova Labs  
1916 Isaac Newton Square W  
Reston, VA 20190

### Aldie/South Riding

Arcola ES  
41740 Tall Cedars Pkwy  
Aldie, VA 20105

## Pickup-Dropoff Locations (Shuttle Service)

### Chantilly

Chantilly Library  
4000 Stringfellow Rd  
Chantilly, VA 20151

### McLean / Falls Church

Tysons-Pimmit Library  
7584 Leesburg Pike  
Falls Church, VA 22043

## Register Online

[MindframeEducation.com/STEM-Summer-Camps](http://MindframeEducation.com/STEM-Summer-Camps)

Phone : (703) 940-9440

Email : [info@mindframeeducation.com](mailto:info@mindframeeducation.com)

Web : [www.MindframeEducation.com](http://www.MindframeEducation.com)



# STEM Summer Camps - 2018 Schedule

	Ashburn			Reston	Aldie
	Gr 1-3	Gr 3-6	Gr 6-12	Gr 3-6 & Gr 6-12	Gr 1-3 & 3-6
<b>June 18 – 22</b>	<ul style="list-style-type: none"> <li>Jr. Coding &amp; Robotics</li> <li>Digital Arts &amp; Crafts</li> </ul>	<ul style="list-style-type: none"> <li>Intro to Movie Making</li> <li>Maker &amp; Inventor</li> <li>Rocket Science</li> </ul>	<ul style="list-style-type: none"> <li>Python Programming</li> <li>3D Game Design with Unity &amp; C#</li> </ul>	--	--
<b>June 25 – 29</b>	<ul style="list-style-type: none"> <li>Jr. Game Design</li> <li>Jr. Space Science</li> </ul>	<ul style="list-style-type: none"> <li>3D Modeling &amp; Printing</li> <li>Intro to Coding &amp; Robotics</li> <li>Minecraft Game Design &amp; Modding</li> </ul>	<ul style="list-style-type: none"> <li>Java Programming</li> <li>Digital Filmmaking &amp; Production</li> </ul>	--	--
<b>July 2 – 3 July 5 – 6 (4 days)</b>	<b>STEM Camp</b> - Game Design - Digital Arts & Crafts - Coding & Robotics - Science & Engineering	<b>STEM Camp</b> - Game Design - Digital Arts & Crafts - Coding & Robotics - Science & Engineering	Hackathon	--	--
<b>July 9 – 13</b>	<ul style="list-style-type: none"> <li>Jr. Maker &amp; Inventor</li> <li>Digital Arts - Stop Motion Animation</li> </ul>	<ul style="list-style-type: none"> <li>2D Game Design</li> <li>Digital Design &amp; Illustration</li> <li>Simple Machines - Physics and Engineering</li> </ul>	<ul style="list-style-type: none"> <li>Rocket Science &amp; Physics of Flight</li> <li>3D Modeling &amp; Printing</li> </ul>	<ul style="list-style-type: none"> <li>Minecraft Game Design &amp; Modding (Gr 3-6)</li> <li>Python Programming (Gr 6-12)</li> </ul>	<ul style="list-style-type: none"> <li>LEGO Engineering (Gr 1-3)</li> <li>Minecraft Game Design &amp; Modding (Gr 3-6)</li> </ul>
<b>July 16 – 20</b>	<ul style="list-style-type: none"> <li>Jr. Game Design</li> <li>Let's Go Science</li> </ul>	<ul style="list-style-type: none"> <li>Digital Photography &amp; Stop Motion Animation</li> <li>Minecraft Programming</li> <li>Science - Energy and Sustainable Design</li> </ul>	<ul style="list-style-type: none"> <li>Intro to Cloud Computing &amp; AWS</li> <li>3D Game Design with Unreal</li> </ul>	<ul style="list-style-type: none"> <li>MakerLab: Inventing &amp; Engineering (Gr 3-6)</li> <li>Digital Filmmaking &amp; Production (Gr 6-12)</li> </ul>	<ul style="list-style-type: none"> <li>Digital Arts - Stop Motion Animation (Gr 1-3)</li> <li>Intro to Movie Making (Gr 3-6)</li> </ul>
<b>July 23 – 27</b>	<ul style="list-style-type: none"> <li>Jr. Coding &amp; Robotics</li> <li>Jr. Movie Making &amp; Photography</li> </ul>	<ul style="list-style-type: none"> <li>Minecraft Game Design &amp; Modding</li> <li>MakerLab: Inventing &amp; Engineering</li> <li>Rocket Science</li> </ul>	<ul style="list-style-type: none"> <li>Character Design &amp; Animation</li> <li>Cyber Security &amp; Encryption</li> </ul>	<ul style="list-style-type: none"> <li>3D Modeling &amp; Printing (Gr 3-6)</li> <li>3D Game Design w/ Unity</li> </ul>	<ul style="list-style-type: none"> <li>Jr. Makers &amp; Inventors (Gr 1-3)</li> <li>3D Printing &amp; Modeling (Gr 3-6)</li> </ul>
<b>July 30 – Aug 3</b>	<ul style="list-style-type: none"> <li>LEGO Engineering</li> <li>Jr. Space Science</li> </ul>	<ul style="list-style-type: none"> <li>Intro to Movie Making</li> <li>2D Game Design</li> <li>Coding &amp; Robotics</li> </ul>	<ul style="list-style-type: none"> <li>Digital Filmmaking &amp; Production</li> <li>iOS App Development</li> </ul>	<ul style="list-style-type: none"> <li>Movie Making &amp; Production (Gr 3-6)</li> <li>Computer Engineering with RaspberryPi and Arduino (Gr 6-12)</li> </ul>	<ul style="list-style-type: none"> <li>Jr Game Design (Gr 1-3)</li> <li>Coding &amp; Robotics (Gr 3-6)</li> </ul>
<b>Aug 6 – 10</b>	<ul style="list-style-type: none"> <li>Jr. Maker &amp; Inventor</li> <li>Academic Prep - Math (Gr 2-3)</li> </ul>	<ul style="list-style-type: none"> <li>3D Modeling &amp; Printing</li> <li>Python &amp; Raspberry Pi</li> <li>Academic Prep - Language Arts (Gr 4-5)</li> </ul>	<ul style="list-style-type: none"> <li>Web Programming with JavaScript</li> <li>Graphic Design &amp; Digital Photography</li> </ul>	<ul style="list-style-type: none"> <li>Minecraft Programming (Gr 3-6)</li> <li>Java Programming (Gr 6-12)</li> </ul>	<ul style="list-style-type: none"> <li>Jr. Coding &amp; Robotics (Gr 1-3)</li> <li>Rocket Science (Gr 3-6)</li> </ul>
<b>Aug 13 – 17</b>	<ul style="list-style-type: none"> <li>Jr. Coding &amp; Game Design</li> <li>Academic Prep - Language Arts (Gr2-3)</li> </ul>	<ul style="list-style-type: none"> <li>Minecraft Programming</li> <li>FLL Prep &amp; EV3 Programming</li> <li>Academic Prep - Math (Gr 4-5)</li> </ul>	<ul style="list-style-type: none"> <li>Computer Engineering w/ RaspberryPi and Arduino</li> <li>Game Programming with Java</li> </ul>	<ul style="list-style-type: none"> <li>Coding &amp; Robotics (Gr 3-6)</li> <li>Graphic Design &amp; Digital Photography (Gr 6-12)</li> </ul>	--
<b>Aug 20 - 22 (3 days)</b>	<b>STEM Camp</b> - Game Design - Digital Arts & Crafts - Coding & Robotics - Science & Engineering	<b>STEM Camp</b> - Game Design - Digital Arts & Crafts - Coding & Robotics - Science & Engineering	Hackathon	--	--

Pickup / dropoff shuttle service available - Chantilly & McLean

Register Online

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Call (703) 940-9440 for more information.