2021 UNLV STEM Virtual Summer Camp

In the next decade, 80% of all jobs will require technical skills.

Interested in building valuable Science, Technology, Engineering, and Math (STEM) skills? Sponsored by the Howard R. Hughes College of Engineering at UNLV and led by qualified experts, the 2021 UNLV STEM Summer Camp is a 4-week summer program tailored for middle and high school students to learn problem solving and experience a new way of building friendships with like-minded peers.

Four different modules, two per day:

Weeks 1 & 2

- **Coding**: Learn the basics of three programming languages – Scratch, Javascript, and Python – to do block coding, create 2D animations of objects, and develop software applications. Offered in collaboration with the Department of Computer Science at The University of Texas at Dallas.
- **Internet of Things (IoT)**: IoT is the future - connecting the entire world via the Internet with the right devices. After a theoretical introduction, get hands-on building a fully functional IoT system.

Weeks 3 & 4

- **Climate Change and Environment**: Everyone can be a scientist with curiosity and eyes of discovery! Through hands-on activities, explore the science of your Southern Nevada urban neighborhoods, or NatureHoods.
- **Mathematical Reasoning and Modeling**: Learn what mathematical reasoning and modeling are and see how math can be meaningful and fun through various activities that reinforce core content knowledge at grade-level, and uncover the world in which we live.

**Schedule:**

<table>
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<th>Days</th>
<th>Week 1</th>
<th>Week 2</th>
<th>Week 3</th>
<th>Week 4</th>
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<tbody>
<tr>
<td>Monday – Friday</td>
<td>July 5-9</td>
<td>July 12-16</td>
<td>July 19-23</td>
<td>July 26-30</td>
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<td>9am-12pm and 2-5pm (PDT)</td>
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Join us for one module, two modules, three modules, or all four!

**Tuition**: $300 for each module; $1,000 for all four

**Requirements**: Windows PC, Mac, or Chromebook, internet access, webcam & microphone

**For more information & to Register:**

http://df.egr.unlv.edu/unlvstem

Registration link

Program Contact – Melissa Seltenreich, Ph.D. student, stemunlv@unlv.edu

Last updated May 16, 2021