After School Programs Fall 2021

Join us in our newly renovated K-12 STEM Outreach Center at the Atwood Innovation Plaza. Together we can reach for the stars!

**STEM Academy Programs**

- **Jr. STEM Girls**
  Grades 1-4  Wed 4:30-5:30p
  September 1 - October 27  $50
  A chance for girls to explore exciting topics in Science, Technology, Engineering, and Math. Taught by female STEM students with a strong emphasis on female-led innovations in STEM.

- **STEM Girls**
  Grades 5-9  Wed 5:45-6:45p
  September 1 - October 27  $50
  A chance for girls to explore exciting topics in Science, Technology, Engineering, and Math. Taught by female STEM students with a strong emphasis on female-led innovations in STEM.

- **Jr. STEM Academy**
  Grades 1-4  Thurs 9-10a & 10:10-11:10a
  September 2 - October 28  $75

- **STEM Academy**
  Grades 5-12  Thurs 3-4:30p
  September 2 - October 28  $150
  Weekly projects explore makerspace tools in preparation for a final individual project. Students will study circuitry, 3D printing, soldering, laser cutting, and sewing.

- **La Academia CTIM**
  Grades 5-9  Fri 2:30-3:30p
  September 3 - October 29  $50

**Technology & Engineering**

- **Micro:bit Club**
  Grades 5-7  Thurs 4:30-5:30p
  September 2 - October 28  $50
  An introduction to physical computing using drag and drop programming. Experiment with programming and design.

- **Girl Scout STEM Badge Workshops**
  Grades K-12  Thurs 4:30-5:30p
  September 2 - October 28
  Weekly Girl Scout badge workshops! Registration and additional information at www.gsutah.org.

- **Cybersecurity I & II**
  Grades 1-4  Thurs 5:45-6:45p
  September 2 - October 28  $25
  Students will learn about appropriate online behavior and gain the ability to detect online threats. Students will gain problem-solving skills through cybersecurity games.

**DSU 4-H Club Projects**

- **Scratch I**
  Grades 5-7  Tues 4:30-5:30p
  August 31 - October 26  $25
  An introduction to computer science using the programming language Scratch. Create amazing games, animated images and songs in just minutes with a simple "drag and drop" interface.

- **Python I**
  Grades 8-10  Tues 4:30-5:30p
  August 31 - October 26  $25
  An intermediate computing club where students code programs and games in the Python programming language.

- **Sew Fun!**
  Grades 5-9  Tues 4:30-5:30p
  9/7, 9/21, 10/5, 10/19, 11/2, 11/16  $50
  Up-cycling and innovation are key themes in this fun sewing club! Learn how to turn trash into treasure and be the first to use the sewing machines in our new K-12 makerspace!

- **LEGO® Robotics**
  Grades 5-7  Wed 4:30-5:30p
  September 1 - October 27  $25
  An introduction to engineering and computer science using the LEGO Mindstorms EV3 technology. Build functional robotics and think computationally.

- **Wear Tec I**
  Grades 4-8  Wed 4:30-5:30p
  September 1 - October 27  $50
  Engineering design, computer programming, basic circuitry, and sewing. Create wearable technologies.

**Family Programs**

- **Mom & Me**
  Families  Tues 4:30-5:30p
  August 31 - October 26  $75
  Learn together and share a love of science and technology with this series of exploratory workshops. For young children and their families.

- **Tinker Fam**
  Families
  Once a month on Saturdays
  For families of all kinds - create and compete in a series of challenges. Winners take home trophies and the right to defend their family honor.

Visit [STEM.dixie.edu](http://STEM.dixie.edu) for workshops, activities & free programming.

DSU STEM Outreach Coordinator
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