



# Williamson County 4-H STEM Experience



## Overview of STEM Experience Classes

### STEM Fun 1

This hands-on exciting class exposes students in grades 4 and 5 to different areas of STEM such as environmental science, electrical engineering, astronomy, crime scene investigation, mechanical engineering, and more. You may choose from two class times: 4:00-5:30 PM or 6:00-7:30 PM. All students are eligible to participate in the STEM Quiz Bowl in May during which a STEM Fun 1 Student of the Year is named.

### STEM Fun 2

For youth in grades 5 and 6 who have completed STEM Fun 1. Students in this class will engage more deeply with material covered in STEM Fun 1 and explore new fields such as human anatomy and biomedical engineering.

### Crime Scene Investigation (CSI)

For youth in grades 8 through 12 who are interested in forensic science and criminal justice. In this class youth will process mock crime scenes, use science and technology to solve crimes, and learn about how scientific evidence affects state and federal criminal cases. Labs include fingerprinting, blood spatter analysis, blood typing, gun powder residue tests, DNA, and blood alcohol testing.



## Meeting Dates and Times

### STEM FUN 1 Meeting Dates on Tuesdays from 4:00 – 5:30 PM or 6:00 – 7:30 PM:

September 17	January 21	May 19
October 15	February 18	
November 19	March 31	
December 17	April 21	



### STEM Fun 2 Meeting Dates on Thursdays from 4:30 – 6:00 PM:

October 24	February 27
November 7	March 26
December 12	April 30
January 30	May 14

### CSI Meeting Dates on Thursdays from 6:30 – 8:00 PM:

October 24	February 27
November 7	March 26
December 12	April 30
January 30	May 14



### Meeting Location

Classes are held at the  
Williamson County Ag Expo Park  
4215 Long Lane, Suite 200  
Franklin, TN 37064



### Registration Fee

Classes cost \$100 per student.  
Cost includes all materials and  
lab supplies.



### To Join a Class

Return registration form and  
class fee to:  
Williamson County Extension  
4215 Long Lane, Suite 200  
Franklin, TN 37064



## Questions?

We are happy to answer any questions you might have about the Williamson County 4-H STEM Experience classes. Please email your questions to: [ag.stemexperience@williamsoncounty-tn.gov](mailto:ag.stemexperience@williamsoncounty-tn.gov) or call Jennifer Stockdale, Instructor, at 615-969-7311.



# Williamson County 4-H STEM Registration Form 2019-2020

Student Name: \_\_\_\_\_

School/Homeschool \_\_\_\_\_ Grade: \_\_\_\_\_

Email: \_\_\_\_\_

\*Used for email communication by instructors, please put 1-2 email addresses you check & read regularly.

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Gender: \_\_\_\_\_

Parent Name(s): \_\_\_\_\_

Race/ Ethnicity:  White Non-Hispanic  Black Non– Hispanic  Hispanic  
 Asian/ Pacific Islander  American Indian/ Alaskan Native



## To Join a Class Mark the Group(s) you are registering for:

- |  |  |
|--|--|
| <input type="checkbox"/> <b>STEM Fun 1 4:00</b> <b>\$100</b><br>Grades 4-5         | <input type="checkbox"/> <b>CSI (Crime Scene Investigation) \$100</b><br>Grades 8-12 |
| <input type="checkbox"/> <b>STEM Fun 1 6:00</b> <b>\$100</b><br>Grades 4-5         | <input type="checkbox"/> <b>STEM Jr. Solar Sprint \$25</b><br>Grades 5-8             |
| <input type="checkbox"/> <b>STEM Fun 2</b> <b>\$100</b><br>Grades 5-8              | <input type="checkbox"/> <b>Raspberry Pi \$100</b><br>Grades 8-12                    |
| <input type="checkbox"/> <b>Intro to Robotics &amp; Program \$75</b><br>Grades 4-6 | <input type="checkbox"/> <b>Python Programming \$100</b><br>Grades 8-12              |
| <input type="checkbox"/> <b>Robotics 1</b> <b>\$100</b><br>Grades 6-8              | <input type="checkbox"/> <b>3D Printing \$100</b><br>Grades 8-12                     |
| <input type="checkbox"/> <b>Robotics 2</b> <b>\$100</b><br>Grades 7-12             | <input type="checkbox"/> <b>Engineering Fundamentals \$100</b><br>Grades 5-8         |
| <input type="checkbox"/> <b>Robotics 3</b> <b>\$100</b><br>Grades 8-12             |  |



**Registration Fee** Payment should be included with registration form.

Payment options: check or exact cash. Make checks out to: "Williamson County 4-H."

**Mail or Deliver to:** Williamson County 4-H, 4215 Long Lane, Suite 200, Franklin, TN 37064