

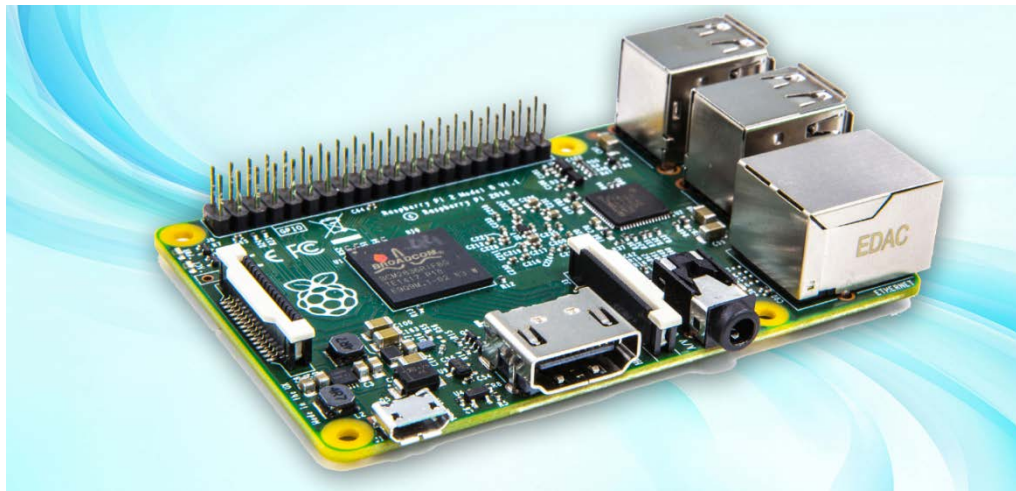


# Williamson County 4-H Raspberry Pi



## Overview

The Raspberry Pi is a capable and affordable prototyping microcomputer. Students will learn the fundamentals of this real world tool in a hands on lab environment. Programming will utilize public domain scripts and simple programming to build working devices such as an iPhone/Android streaming audio speaker, motion sensors and voice recorders as well as individually selected projects. (Includes use of computers & Raspberry Pi hardware in class, students may later purchase their own Pi hardware online (\$40-\$80) if they wish to keep working prototypes.) Classes are open to grades 8 through 12.



## Meeting Dates and Times

### Raspberry Pi Class

Meeting Dates on Wednesdays 5:00 – 6:30 pm:

Sept 11<sup>th</sup>, 25<sup>th</sup>, Oct 9<sup>th</sup>, 23<sup>rd</sup>, Nov 13<sup>th</sup>, Dec 11<sup>th</sup>, Jan 8<sup>th</sup>, 22<sup>nd</sup>, Feb 12<sup>th</sup>, 26<sup>th</sup>,  
Mar 11<sup>th</sup>, 25<sup>th</sup>, April 8<sup>th</sup>, 22<sup>nd</sup>.



## Registration Fee

Class cost is \$100 per student. Class is limited to the first 12 students registered and paid.



## Meeting Location

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



Return registration forms to the Williamson County Extension (615) 790-5721



# 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