



# Williamson County 4-H Python Programming



## Overview

Python is a high level programming language that is popular in engineering and big data analysis as well as general computing. It has an impressive standard library of functions and open source code. Students will learn Python syntax, programming flow, variables, operators I/O functions and code import processes. In class the Raspberry Pi will be used for project implementations. At completion of the course, students will have the skill to turn a program concept into a working application. (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

### Python Programming Class

Meeting Dates on Wednesdays 6:30 - 8:00 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