



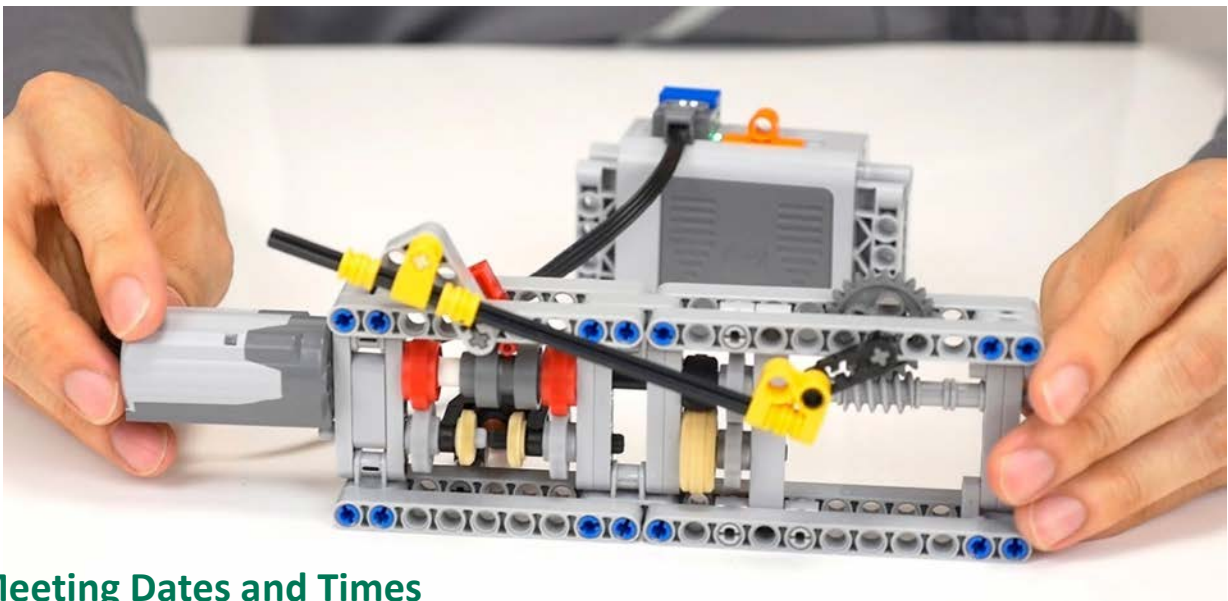
Williamson County 4-H Engineering



Overview

This intro to Engineering will give youth hands-on activities to learn about engineering concepts. In each class students will build working models and then discuss the principle encompassed. Topics covered will include static and dynamic mechanics, power, renewable energy, fluids, pneumatics and associated scientific laws and equations. This is an ideal class for students interested in Engineering sciences to explore different areas of the discipline.

Classes are open to grades 5 through 8.



Meeting Dates and Times

Engineering Fundamentals

Meeting Dates on Mondays 6:00-7:30 pm

Sept 23rd, Oct 7th, 21th, Nov 11th, Dec 9th, Jan 6th, 20th, Feb 10th, 24th, Mar 9th, 23rd, April 6th, 20th.



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