



# ARDUINO ADVANCED SENSORS

## Course Description



Once students have the Arduino basics down, they can express their

creative and technical potential by building their own electronic creations! Jam-packed with hands-on instruction, this course leads students through their own Arduino project. Students will use the engineering design process (i.e., create, test and improve) to break down a problem and design and build a solution. (For Grade 4+ students)

Lesson 1: C Review  
Lesson 3: IC74HC595  
Lesson 5: IR Remote  
Lesson 7: Metal Touch  
Lesson 9: Microphone

Lesson 2: LCD  
Lesson 4: Segment Display  
Lesson 6: Stepper Motor  
Lesson 8: Knock Sensor  
Lesson 10: Final Project



**AMERIDUO**  
Innovation starts with **YOUTH.**

**We demystify a complex technology**

**We provide an effective way of introducing programming to students**

**We help students develop critical thinking skills**

**We teach students how to turn frustration into innovation**

**Our students enjoy hands-on construction activities**

**TUITION DISCOUNT**  
5% off each for group of 3

**\$498**

10 Weekends  
2 hrs. each class

Sugar Land

Pre-registration:  
ameriduo.com