



# ARDUINO FOR BEGINNERS

## Course Description

This course helps students cross over the beginner's threshold in understanding the use, terminology, and potential of the Arduino. The skills and concepts taught in this course are interdisciplinary, merging practices in arts and technology. The first portion will teach the most essential skills for creating a simple sensor-driven physical computing system. The second portion will reinforce these skills by making simple interactive projects. (For Grade 6+ students)

Lesson 1: Using Arduino  
Lesson 3: LED Light  
Lesson 5: Ultrasonic Sensor  
Lesson 7: Temperature Sensor  
Lesson 9: IR Receiver

Lesson 2: C Programming  
Lesson 4: Button & Buzzer  
Lesson 6: Servo Sensor  
Lesson 8: Analog Joystick  
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

**\$518**

10 Weekends  
2 hrs. each class

Sugar Land

Pre-registration:  
ameriduo.com