

Name:

Date:

Class:

Part 1: Introduction to the Arduino and Breadboarding

Introduction:

First we will learn about how physical computing works, where electrical components can be wired and coded to do things like turn on a light or make a sound. Then you will download the Arduino program to your computer and set up a Google folder on the desktop to save your code after each of the short lessons we will be completing with the Arduino in this unit.

Required materials:

Laptop with Internet access and speakers

Video clips to introduce the Arduino and breadboard:

- <https://www.youtube.com/watch?v=QvyTE1wyOY&authuser=0>
- https://www.youtube.com/watch?v=OAx_6-wdsIM&authuser=0
- <https://www.youtube.com/watch?v=NYzN0a1U8ml&authuser=0>

Download the Arduino program to laptop: [Arduino Download Instruction](#)