**Links to reference Page for SparkFun manuals and support of additional teaching material.**

**The Sparkfun archives of course material.**

1. **SparkFun Learn**

Go to Sparkfun.com and select the LEARN tab or use the following ink

<https://learn.sparkfun.com/>

1. **Archived Resources**

At the bottom of this page on the left-hand side you will see

#### [**View archived resources**](https://learn.sparkfun.com/resources)

Select this to enter the archives or use this link

<https://learn.sparkfun.com/resources>

Here you can find many resources such as a complete intro to engineering curriculum for high school courses.

# SparkFun Curriculum: Introduction to Design

This course is an introduction to engineering design for high school and collegiate levels. The course can be taught in any typical classroom with tables, chairs, and power outlets. Then, only a small selection of SparkFun products will enable you to provide a powerful and in-depth engineering design experience for your students.

<https://learn.sparkfun.com/resources/109>

# SparkFun Inventor's Kit Experiment Guide - v4.1

# <https://learn.sparkfun.com/tutorials/sparkfun-inventors-kit-experiment-guide---v41>

# SparkFun Inventor’s Kit Curriculum

# <https://learn.sparkfun.com/resources/39>

# THE QWIIC CONNECT SYSTEM

# Connecting development boards, sensors LCDs, etc. beyond what is provided in the kit.

# <https://www.sparkfun.com/qwiic>

# RedBoard Qwiic Hookup Guide

# How to load the drivers, IDE software and configure the Arduino software.

# <https://learn.sparkfun.com/tutorials/redboard-qwiic-hookup-guide#arduino-examples>

# SparkFun Teachers Guide to Circuits

# Complete guide for starting electronics and engineering circuits.

# <https://learn.sparkfun.com/resources/112>

# LCD screen connection and operation guides

1. <https://learn.sparkfun.com/tutorials/basic-character-lcd-hookup-guide?_ga=2.243601602.613735904.1657623553-792252347.1654521322&_gac=1.124719480.1657396490.Cj0KCQjwzqSWBhDPARIsAK38LY9Kr2qQfX_uWYgKOEMaQDtoAb-5Bb3qeKxYaOGyhuiA_dzFYp602XIaAhAHEALw_wcB#how-does-an-lcd-work> LCD Hookup guide
2. Serial LCD Quick Start guide

<https://www.sparkfun.com/tutorials/289>

# Arduino support links

# Using the Arduino software

# <https://docs.arduino.cc/learn/starting-guide/the-arduino-software-ide>

# <https://toptechboy.com/arduino-lessons/>

# These are useful sites for high school students to use to learn and practice with as well as yourself.

Great free circuit and science simulator.

1. <https://phet.colorado.edu/>
2. <https://phet.colorado.edu/en/simulations/filter?type=html,prototype>