Scheduled Events

Class: Electronics Soldering Basics   10:00-10:30 and 14:00-14:30

This presentation will guide its participants through the Basics of Soldering Electronics with step by step guides and practice projects. Presented twice (AM and PM) so you can choose the time that fits your schedule. Also available as an online course here -> **http://solder.altbier.us**

Class: Arduino for Beginners   10:30-11:30 and 14:30-15:30

This presentation will guide its participants through the Arduino hardware, some basic electronics, the Arduino IDE software, and how to control an Arduino with code. Participants will then gain hands on experience with easy to understand examples. Presented twice (AM and PM) so you can choose the time that fits your schedule. Also available as an online course here -> **http://arduino.altbier.us**

Project Reviews   11:30-12:30 and 15:30-16:30

Various project reviews including how to make an Arduino powered Speaking Hogwarts Sorting Hat.

HHV Contest Judging and Prize Awards   16:30-17:00

All Day Events

HHV Contest: **1337 < 5417** (leet from sheet)

Contestants will be provided with an Arduino Nano, a prototype printed circuit board, and access to several boxes of electronic cast offs and spare parts with which they are to build something cool.
There are **over $200 in prizes** available for contestants to compete for.

Soldering Stations

Programming Stations

Having Fun While Voiding Warranties

HHV Contest: 1337 < 5417 (leet from sheet)

Contestants will be provided with an Arduino Nano, a prototype printed circuit board, and access to several boxes of electronic cast offs and spare parts with which they are to build something cool.

Two divisions separated by criteria TBD (if enough minors participate it will be Div1 18+ and Div2 Under 18)

There will be Soldering and Programming stations set up in the HHV for contestants to use.

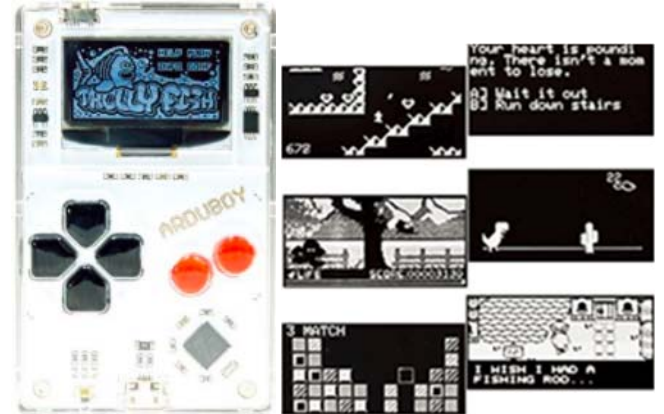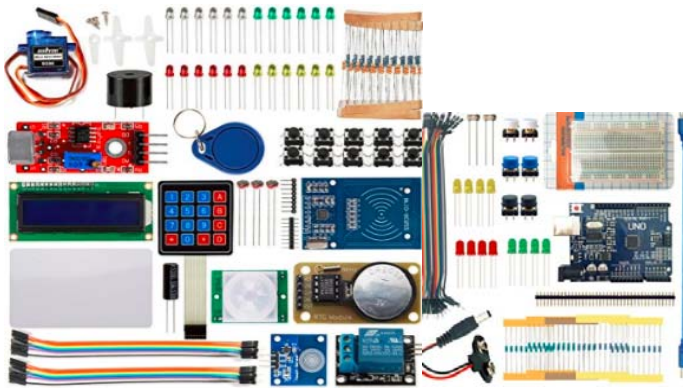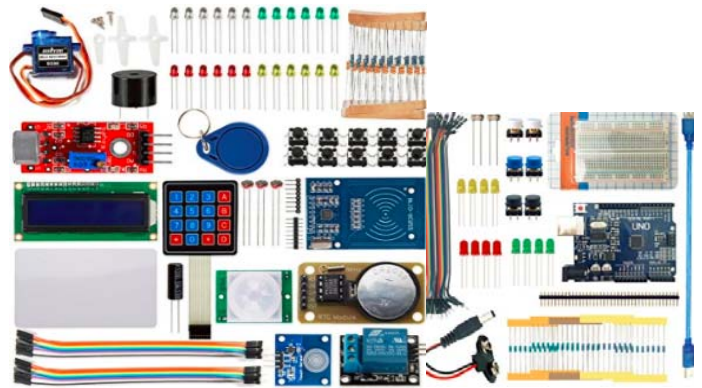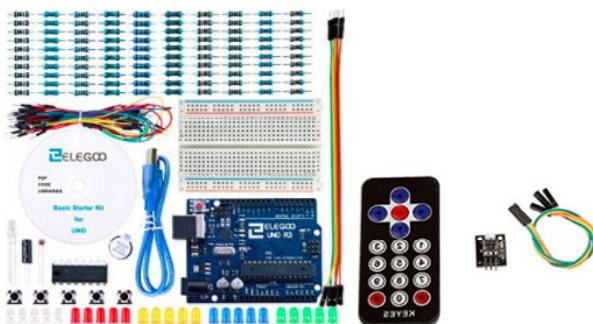| Division One Prizes	Division Two Prizes
First Prize ($60 Value): **Raspberry PI 3 8-in-1 Complete Starter Kit** Includes Raspberry PI 3, 16G SD Card Pre-Loaded, Power/Video Cables, Protective Case, and more. Everything you need to get started with PI!	**First Prize ($50 Value):** **Arduboy Arduino based Game Development System** Arduboy is a game system the size of a credit card. Create your own games using Arduino IDE, or download from a library of free open source games!
Second Prize ($40 Value): RFID Security Master Starter Kit for Arduino Includes the parts needed to read and write to most types of RFID devices as well as parts that could be used in many different Arduino projects. PLUS – Arduino UNO R3 with Starter Kit	**Second Prize ($40 Value):** RFID Security Master Starter Kit for Arduino Includes the parts needed to read and write to most types of RFID devices as well as parts that could be used in many different Arduino projects. PLUS – Arduino UNO R3 with Starter Kit
Third Prize ($25 Value): Arduino Project Starter Kit w/ Tutorial & Arduino UNO R3 PLUS – Wireless IR Sensor and Remote for Arduino	**Third Prize ($25 Value):** Arduino Project Starter Kit w/ Tutorial & Arduino UNO R3 PLUS – Wireless IR Sensor and Remote for Arduino