# Jr. FOI Engineering Workshop Electronics and Computer Technology Supplies List

## **Notebook Computer**

An upgraded and certified Acer Chromebook specifically selected and customized to function worryfree with the software and electronics hardware for this workshop. It doubles as a general purpose, Internet-ready personal computer that can be used for homework as well as virtual conferencing. It is small (11" x 8"), lightweight, portable, and reasonably durable. Running Linux, it is virus and spyware resistant. It is easy to disassemble for maintenance and workshop training purposes. **\$125.00** (includes shipping & fees) Purchase from staff.



## Hand Tools Starter Kit

Pliers, screwdriver set, and tweezers required to assemble and manipulate project components. **\$15.00** (shipped with computer)



## **Digital Multimeter**

This is required to make electronic measurements. Must be auto-ranging, and capacitance reading is preferred. The multimeters below have both. **\$20 - \$25.00** Purchase from Amazon.

- AstroAI Digital Multimeter
- Thsinde TH036 Digital Multimeter



## **Electronics Starter Kit**

Kit contains the basic components to begin experimentation, prototyping, measuring, analyzing electronic circuits and programming a micro-controller (specialized computer). **\$40.00** Purchase from Amazon.

#### -REXQualis Super Starter Kit



Total: **\$205.00** 

## **To Purchase Notebook Computer**

Email Bro. Carlton Muhammad for instructions: <u>carltonm@sonic.net</u> Questions? Call Bro. Carlton (no text please): 229-449-3905

#### **Purchasing options**

Because all the items are interdependent, it is best order all items at the same time. If that is not possible, purchase the multimeter and electronics starter kit first, then the computer and tools. Keep in mind tools are needed to manipulate the components and the computer is required for programming the micro-controller.

#### **Financial Aid**

There is financial aid available from those who love you and your child or children. Let them know that they have an opportunity to invest in your child's future. He is being exposed to college level science, problem solving, and critical thinking, from a do-for self entrepreneurial and Nation building perspective. We are available to "close the deal" if required.