



Basic Electronics and Circuits Workshop

This workshop is built around the principle of making to better understand the world in which we live. Think how dependent we are on electronics, whether that is our battery powered toothbrush, our cell phone or our electric car it is safe to say that electronics are ubiquitous in the 21st century. But how many of us really understand that basics? If you were given a pile of motors, buzzers, batteries, LED's and alligator clips could you make something happen - or lots of things happen. Our goal is to learn to safely explore with electricity, a concept that is found a nearly every grade level throughout the NGSS. In our makerspace we begin "playing" with electricity - exploring magnets, batteries, motors, etc. and then it is a fundamental part of our curriculum every year. By the end of this workshop we will do our best to have you ready to dive into the topic with your own students and confidence that things are both going to be safe for everyone, and that you will know what you are doing.