



Nebraska Public Power District's STEM Connection Lab is a model for how you can implement open sourced learning and the Maker's mentality into your classroom. This lab consists of 11 stations designed to take you through the Pathways to a Technical Future framework - exposing students to workforce skills, practices and procedures.

### **Make it DO**

Robotics Innovation Lab  
MakeyMakey + Rasberry PI Lab  
Electronics Lab

- What can you make existing equipment DO with logic, programming, and creative ideas. A "maker's" take on robotics, coding, and unique adaptations of different tools.

### **Make it NEW**

Afinia H800 3D printer  
Carvey 3D CNC Machine  
Engineering Workshop

- Making it new through rapid prototyping from raw materials and finished products to actually implement your ideas. Additive and subtractive manufacturing through 3D printing, engraving/carving, and applied engineering design.

### **Make An IMPACT**

Sensor Station  
Smart Home Internet of Things

- making a difference in this world through social innovation takes a keen eye on the needs of your community. Using sensors, tools, and innovative skills, you can make an impact on someone's life. Using data to make informed decisions

### **Make it YOU**

Wearables Lab  
Creativity Lab  
Branding / Marketing Lab

- You are uniquely you. Here is your chance to be creative with design, wearables, and personalized touches. Make your statement here!