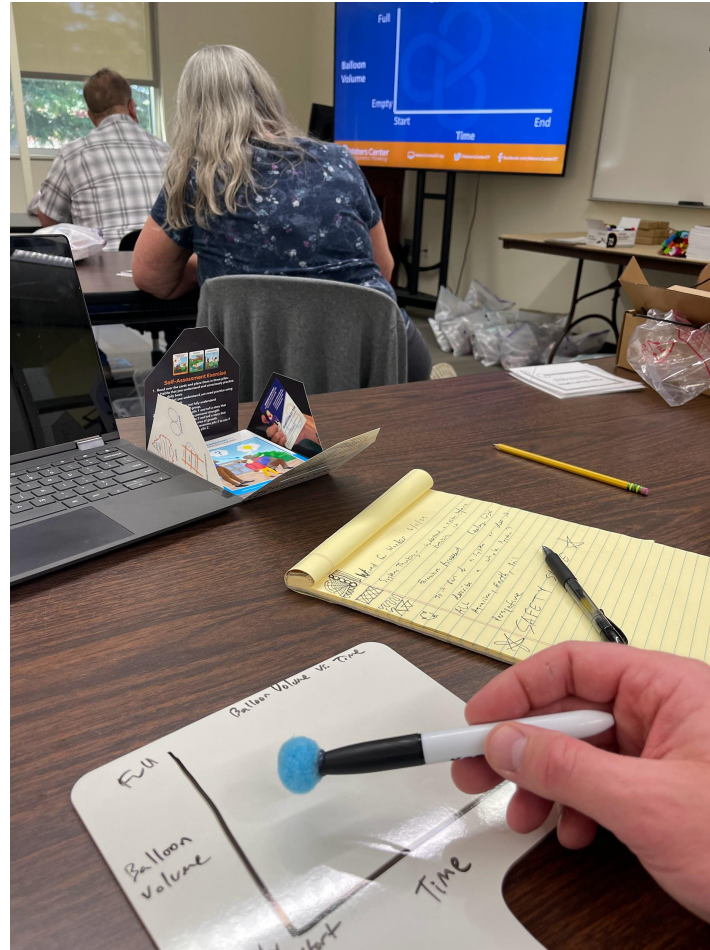


# What a welcome!



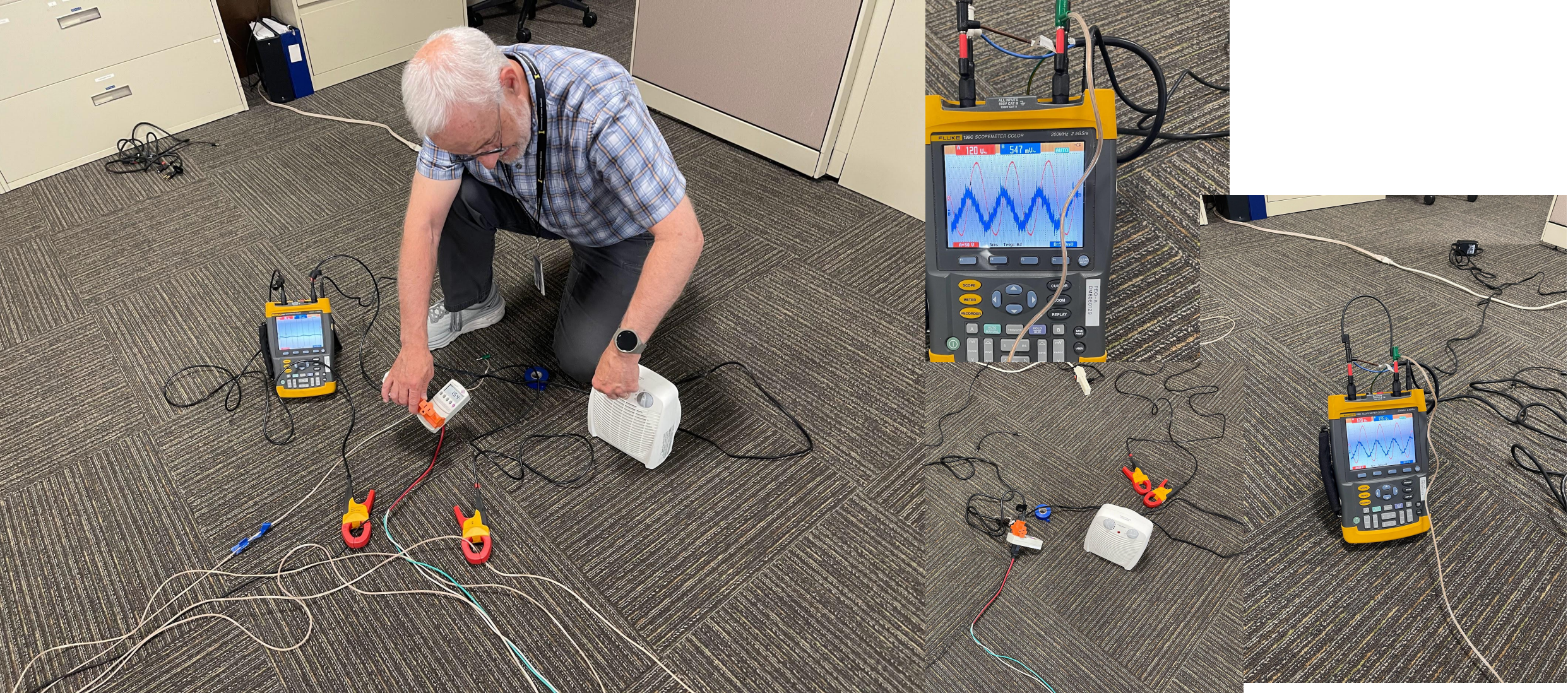


# Wired for Wonder: iStem



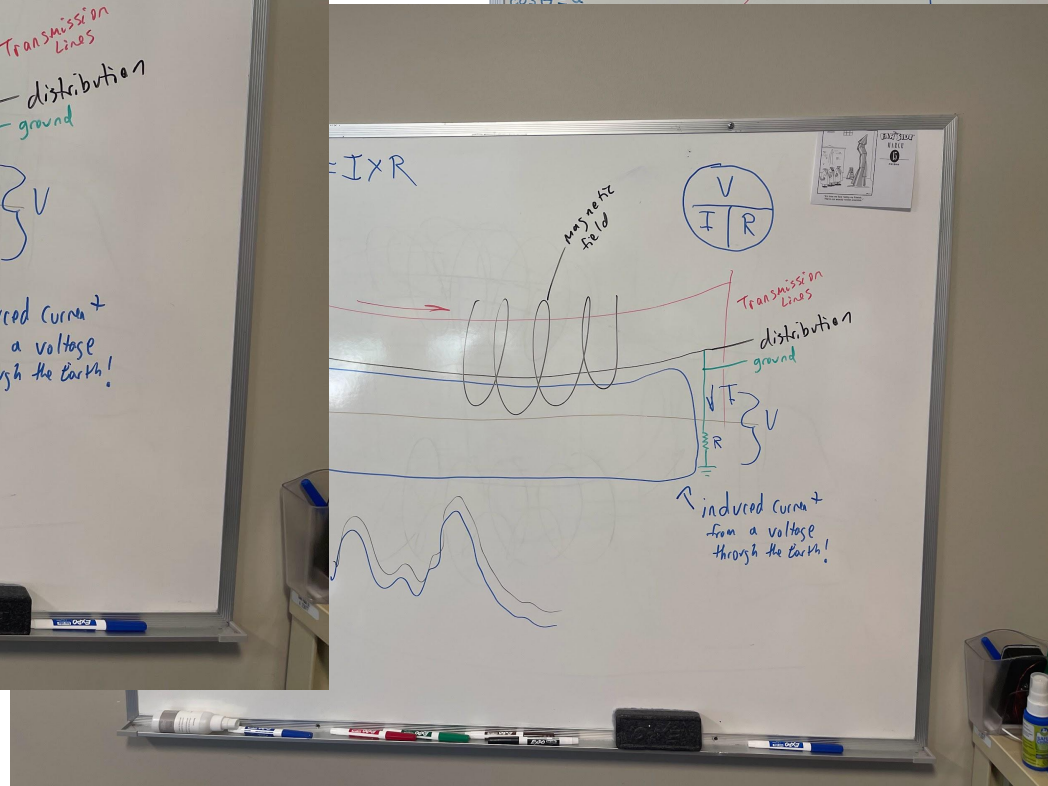
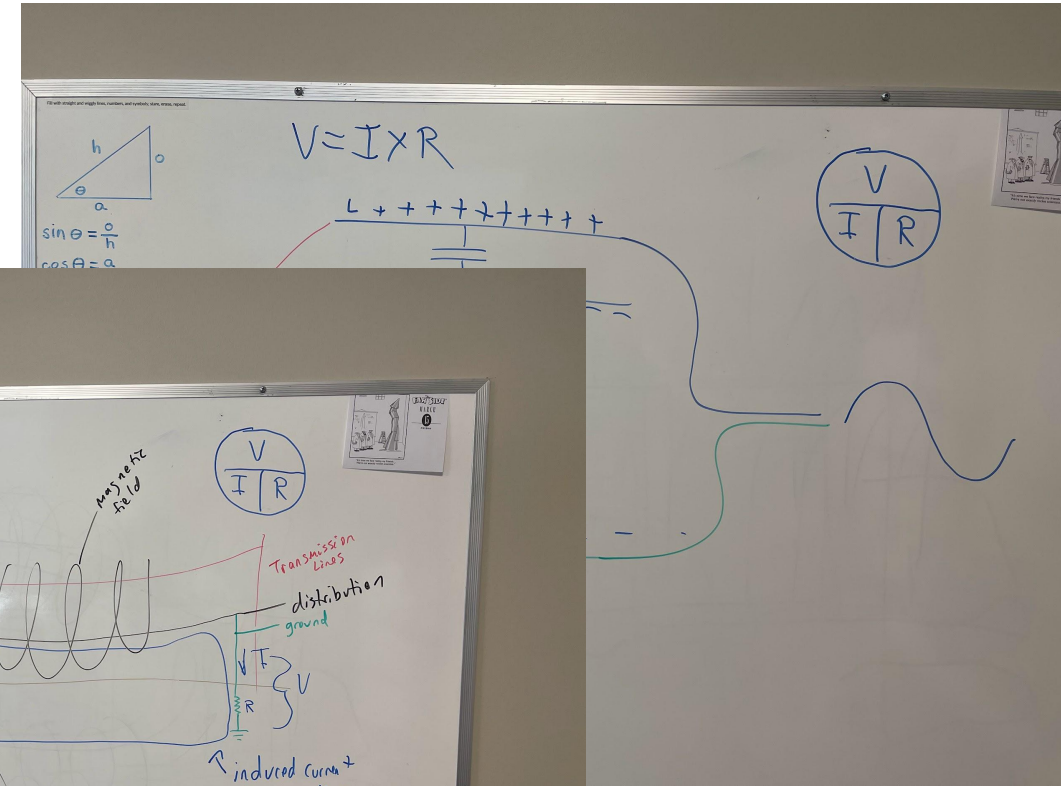
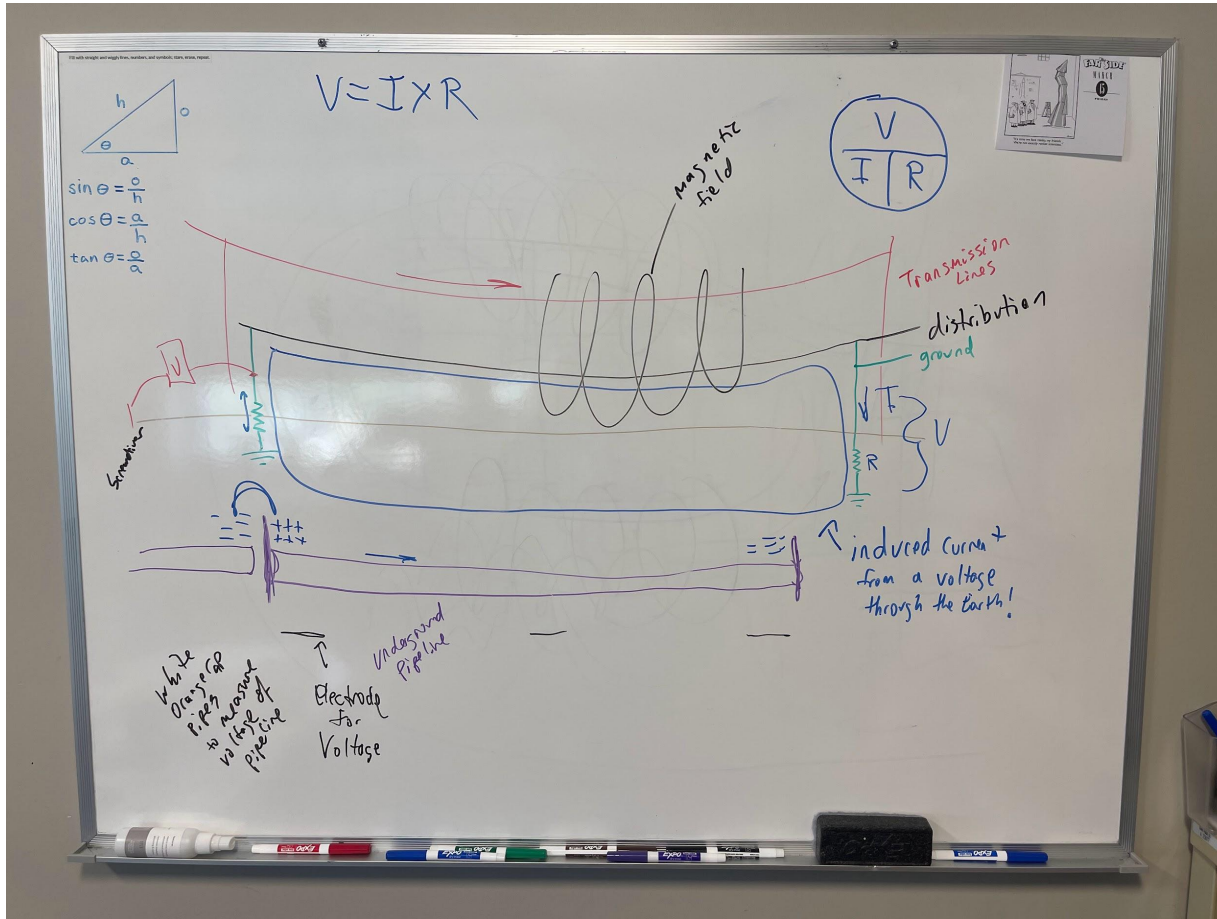


# Experimenting





# Whiteboard!





# Day as a Lineman: Hailey and Carey





# Powering a house





# Sweeps and pulling





# The problems with owls...





# Powering Woodside





# On the way back to the shop





# Twin Yard Tour





# On the job training



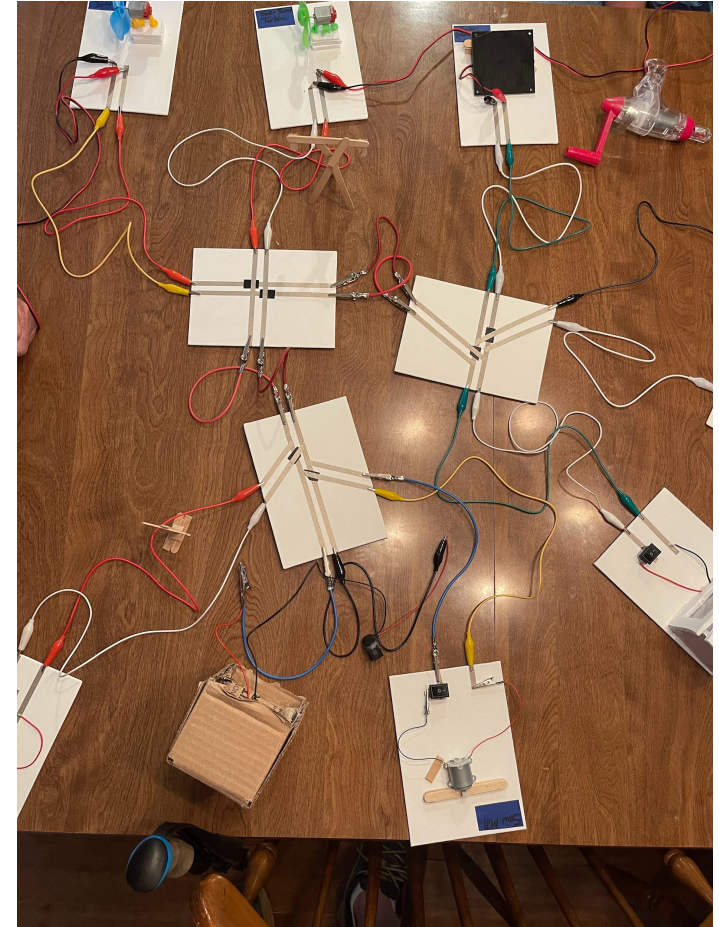
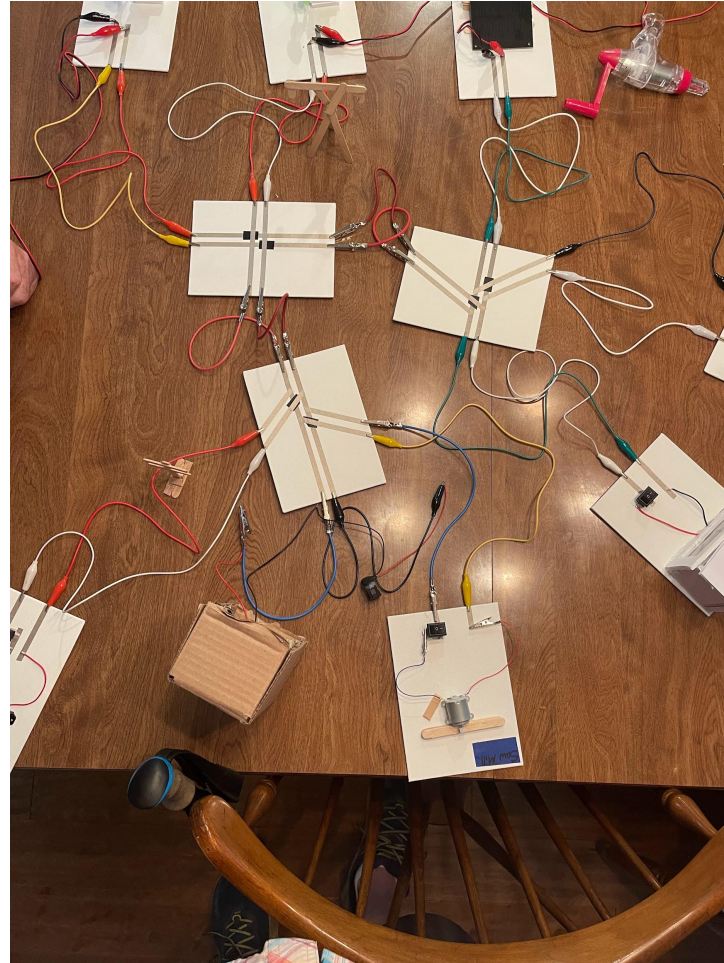
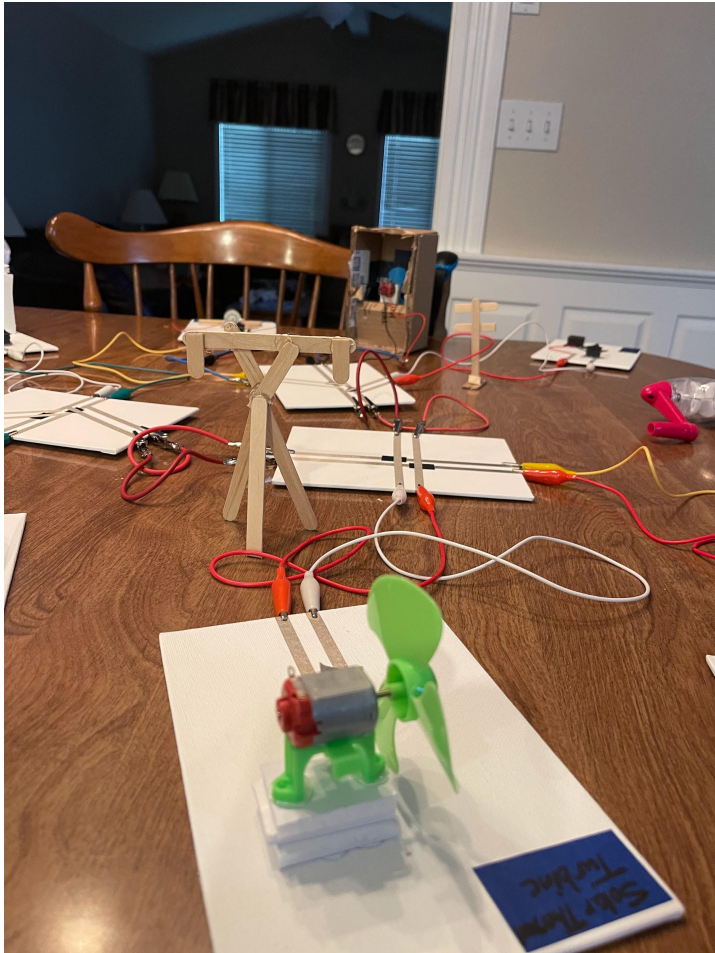


# Interview: what did I sign up for?



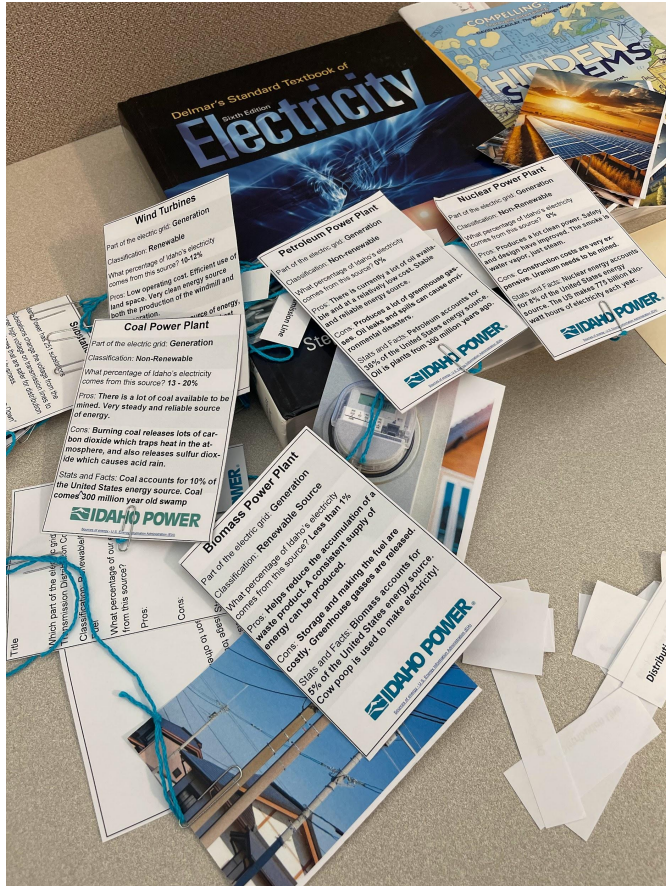


# Making it work





# Iterations





# Finished, there's always...



## Build The Electric Grid Lesson Plan

Idaho Power Electric Grid Unit; Voltage Voyage: Build the Grid

### BACKGROUND INFORMATION

- Name: Keith Wohlwend
- School and District: [Wood River High School, Blaine County School District](#)
- iSTEM location: [Idaho Power](#)
- iSTEM Strand Title: [Wired for Wonder](#)
- Target Grade Band: [7-9](#)
- Applicable Idaho Content Science Standards: [MS-PS-2,3](#),

### INSTRUCTIONAL SEQUENCE SUMMARY

#### 2-3 sentences describing the instructional sequence

Using their prior knowledge from the electric grid card sort activity students will build an energized electric grid using premade grid components. They will organize the premade tiles and then make the electricity connections and then produce electricity to run the mini-grid.

### STUDENT LEARNING TARGETS

- **Content:** What will students be learning? What will students be able to do after the lesson?  
Student will learn the components of an electricity grid, the importance of each step of the process of electricity generation to consumption, or load. After this lesson students will be able to describe and build an electricity grid, measure the voltage of components of the grid,
  - Related Science and Engineering Practice: Electricity generation, measurement of electricity, connecting and building circuits,



# Videos of project, just in case

