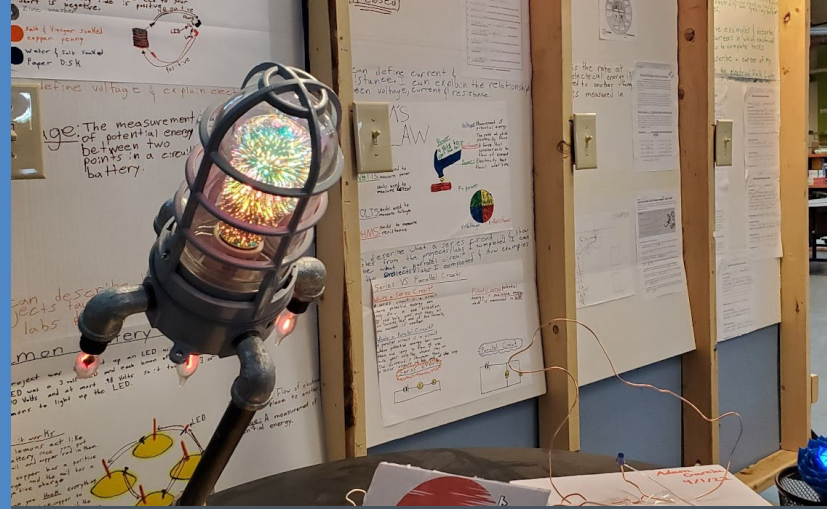




Wired Up

PROJECT SUMMARY

Students learn math and science while exploring electricity. Students will be able to describe voltage, current, power, and resistance by demonstrating the ability to safely build electrical circuits. Students will be able to use Ohm's law to calculate current, voltage, resistance, and power.

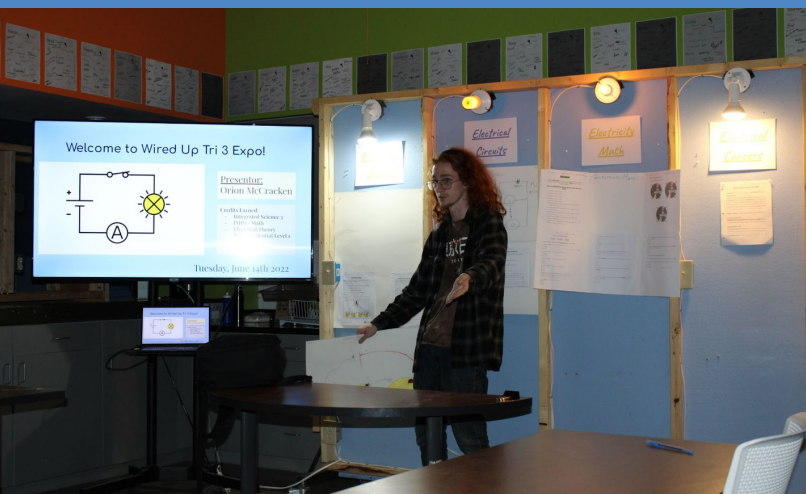


CREDITS OFFERED

Math and physics

DRIVING QUESTION

How can we use basic electrical theory to safely build simple circuits?



INDUSTRY PARTNERS



INDEPENDENT
ELECTRICAL
CONTRACTORS

WHAT STUDENTS CREATED

While creating series and parallel circuits, students built games, arts, and practiced residential wiring techniques. Additionally, students created batteries from lemons, as well as building batteries from pennies and washers.

CULMINATING EXPERIENCE AND/OR EXHIBITION DESCRIPTION

Students offered a "spotlight" on their skills, projects, and learning outcomes during an interactive exhibition presentation.