



Classroom Energy

Curiosity & Confidence

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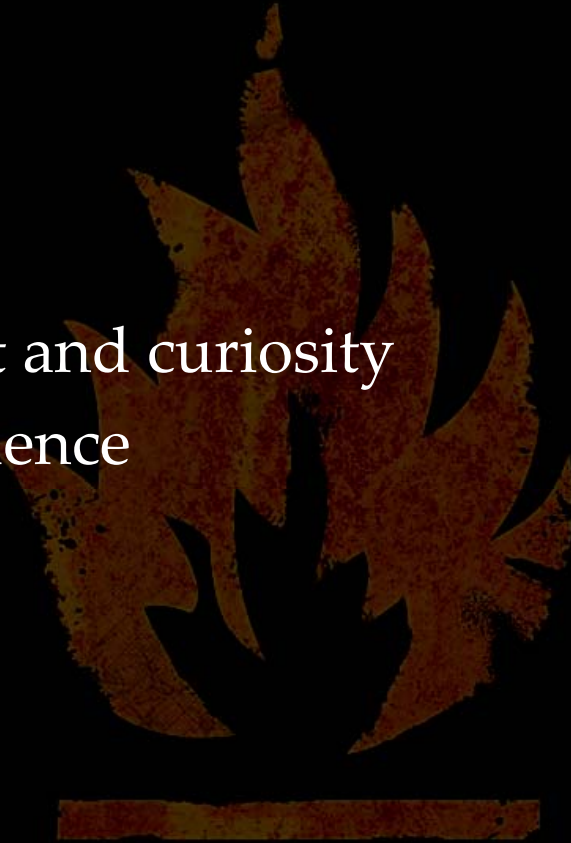
Summer Research



- Energy Scavenging
 - Is it possible to harness the energy of sound?

Focused Discovery

- Goals
 - Bridge gap
 - Stoke interest and curiosity
 - Create confidence



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Electronics in Your Life

- Objectives

- Students will (unknowingly) participate in research.
- Students will explain an electrical phenomenon.
- Students will manipulate variables in an applet and observe and record effects.
- Students will present their findings.

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Electronics in Your Life

- Materials
 - Computer with internet access
 - Example electronics if possible
- Time Frame
 - Flexible



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Electronics in Your Life

- Process
 - Students collect into groups
 - Students choose topic/applet
 - acoustic interference, digital filters, antenna, analog circuit simulator, Doppler Effect,
 - Research: terms, manipulation, application
 - Presentation

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Electronics in Your Life

- Assessment
 - Presentations should demonstrate
 - Working understanding of concept
 - Artifact
 - Invention Application
 - Journal article summary
 - References



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