

Integrating Making into Science: Electricity

Activity:

After having watched a video about making an electrical current, students will create their own circuits by making a “light-up” card. They will use copper tape as their conduit, connect a LED diode, and make the diode light up with a 3V battery.



Aligned Common Core Standards

4th Grade Science

Standard 5 – Physics

Topic – Electricity and Magnetism

Indicator 2 - Investigate and provide evidence that electricity requires a closed loop in order to produce measurable effects.

Applicable Maker Technology or Materials

Card Stock

Cut out for application

3V battery

Copper tape

LED diode

Observations from the field: This project was first introduced in the fall 2018 semester in my 301/501 Integrating Technology into Education course. I wanted to use the Maker Space with students to demonstrate how they can enhance their teaching of concepts with simple projects for their students. This activity also addresses UDL principles by providing an appealing hands-on experience for the students.



Scan the QR code to download activity materials!

Want more information? Please contact:

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Integrating Making into Instruction: [Content]

[Task Title]

[Brief description of the task/station]

Add Picture

Aligned Common Core Standards

- [Add aligned content standards]

Applicable Maker Technology or Materials

[List technologies used]

Observations from the Field

[Brief description of experience when implementing the task with students]

Add QR Code

Scan the QR code to download activity materials!

Want more information? Please contact

[Name, Title]

[email address]