

## It's Electric: BAIP Overlay

BT 4 Activity 1: Exploring Kinetic and Potential Energy through Body Percussion

BT 6 Evaluation Strategies: Formative assessment (check for understanding via observation).

BT 4 Activity 2: Exploring Sound Energy - The Paper Cup Telephone Experiment & Music Extension

BT 6 Evaluation Strategies:

Written Responses: Ask students to write a short reflection or summary of what they learned about sound energy and its applications in school, at home, and in the community.

Skits or Presentations: If the extension activity is used, assess students' understanding through their creative demonstration of sound energy use in a school, home, or community setting.

Concept Mapping: Have students create concept maps showing the different uses of sound energy in school buildings, homes, and communities. This can help assess their understanding of the breadth of applications.

BT 4 Activity 3: Body Percussion Circuit Game

BT 6 Evaluation Strategies:

Formative Assessments/Observations:

- Problem-Solving Skills: Observe how students adapt and problem-solve if the cups are not moving as expected. Do they adjust their shaking technique or try different approaches?
- Peer Interaction: Observe how well students work together in their groups. Are they collaborating effectively to achieve the goal?

Ongoing Checks for Understanding: Following the rounds of the activities, engage students in a discussion asking them to explain how their actions with the body percussion circuit and the string and cups relate to real circuits.

Performance Assessment: Evaluate how well students complete the task. Do they successfully act out the aspects of the circuit or move the cups to the end of the string? Do they understand the role of energy in this process?

BT 5 Design Challenge Extension: What is a home to me?