

Pre-Trip Lesson Plan (20-30 minutes)

Learning Intention

We are learning how energy moves between objects and what to look for at the museum when objects interact.

Success Criteria

- I can explain what I already know about energy and motion.
- I can describe how energy moves from one object to another.
- I can predict what might happen when objects collide.
- I can identify examples of energy transfer to look for at the museum.
- I can ask questions about how and why objects move.

Hook (5 min)

Roll a ball into another ball (or use a simple collision demo)

Turn and Talk: What happened to the energy when the balls collided?

(Answer: Energy transferred from one ball to the other)

Build Background (10–15 min)

Create a simple chart with students:

Force (a push or pull) -> Transfers Energy -> Movement ->

Collision (moving object into another object) -> Energy Transfer

Field Trip Challenge

Tomorrow, you are scientists. Your job is to notice when objects move or collide and look for examples of energy being transferred. Think about what caused the motion, where the energy came from, and where did the energy go?