

ENERGY IN MOTION

GEORGIA STANDARDS OF EXCELLENCE:
S8P2.a,b

GRADE:
EIGHTH GRADE



DESCRIPTION:

Students will learn about two main types of energy: kinetic energy, which is the energy of motion, and potential energy, which is stored based on an object's position. They will see how energy can switch between potential and kinetic - for example, when a car rolls down a hill or comes to a stop. Clear examples help students understand how energy moves and changes all around us.

OBJECTIVES:

- Kinetic energy is the energy of motion.
- Potential energy is stored in an object based on its position.
- Energy can change between potential and kinetic based on an object's motion.

TIMELINE:

THEATRE PRESENTATION (20 MINUTES)

- Introduction of energy.
- Explore the differences of kinetic and potential energy.
- Demonstrate kinetic and potential energy with props.

GALLERY TOURS (100 MINUTES)

GALLERY A → **GALLERY B** → **GALLERY C** → **GALLERY D** → **GREAT HALL**
20 MINUTES 20 MINUTES 20 MINUTES 20 MINUTES 20 MINUTES

