

# ENERGY TRANSFORMATIONS

GEORGIA STANDARDS OF EXCELLENCE:  
S8P2c; SPS7a

## 8th Grade & High School



## DESCRIPTION

Students will discover the conservation of energy transformations through hands-on exploration. They will also visit our Solar House for practical applications of transforming solar energy into the energies that we use in our everyday lives. The program will run for approximately 2 hours.

### 30 MINUTES - PLANETARIUM SHOW

### 30 MINUTES - LAB

- Introduce the Law of Conservation of Energy
- Hands-on exploration of different types of energy transformations
- Discuss real-world applications

### 30 MINUTES - STORE

### 30 MINUTES - SOLAR HOUSE + SCIENCE IN MOTION GALLERY

- Tour of the West Virginia University Solar House
- Discuss wind, solar energy, energy transformation, and storage
- Self-tour of Science in Motion gallery

### TAKE HOME ITEMS

- Finger lights