

Energy Stations

You need

- ★ station cards and mathematics questions (see copymasters)
- ★ a calculator (optional)
- ★ materials for each station (see teacher support material)
- ★ a classmate

Activity

Quaid's teacher has set up stations around the classroom for the students to investigate energy.

What happens to my energy when I use it?



Does energy get used up, or does it just go somewhere else?

1. With a classmate, visit each station and:
 - i. complete the activity on the card



Station 5: Lifting a Weight

Lift the weight at this station.

- a. What happens to the energy of the weight when you lift it?
- b. What would happen to your energy if you were to keep lifting the weight as many times as you could?



- ii. on your sheet of mathematics questions, answer the question for that station.

2. a. Using what you've learnt from the activities and mathematics questions, discuss with your classmate which is more likely:

When you "use" energy, it is used up and no longer exists.

OR

When you "use" energy, it just changes from one form to another.

- b. i. Find out what the law of conservation of energy is.
- ii. Does knowing this law change your thinking? If so, how?

Focus Investigating energy