

## CwC activity #1: Energy use over the past 100 years

With the widespread introduction of electricity and the increasing availability of fossil fuels, our energy usage has increased over the past 100 years. This has influenced the way in which work is done and our lifestyle but this increased energy use is leading to increased environmental pollution and global warming.

### Aim

The aim of this activity is to consider the different forms of energy and where energy is used.

### Tasks

Working in small groups, discuss with each other how life has changed over the past 100 years.

- Identify machines and activities that use energy
- How do these differ from what was available and how things were done 100 years ago?
- How might things be different in 50 years' time?

Activity	100 years ago	Now	50 years from now
Transport	Horse and cart	Car	Electric vehicle

Discuss your findings with the other groups in your class.

### Notes for teachers:

Background: This activity is to understand the importance of energy sources in our daily lives. Our houses are filled with electrical appliances that our grandparents never used. Students should be encouraged to think about what energy is and the different forms of energy and how they are used. The students could be asked to talk to older relatives to find out how life was different when they were young and to collect articles and pictures of life in the 1950's and how life might be in the future.

**Materials:** Table for completion, magazine articles

**Key words:** energy, forms of energy, uses of energy

**Skills:** communicating, observing, investigating and gathering information

**National curriculum subjects:** science, citizenship, geography, PSHE

**Age Range:** 9-12, key stage 2-3