

## Key Stage 3-5 Energy Activity – Teachers Notes

This quick starter activity is designed to show students how different sorts of energy resources can produce electricity.

For each group of 6 students you will need:

- 6 different energy activity sheets (nuclear, solar, coal, gas, wind, geothermal) in A3
  - 2 sheets of pipes and money tokens (A4) – will need to be cut out
  - 1 dice
1. Split students into groups of 6 and hand out energy activity sheet per student
  2. Each student takes turns to roll the dice, depending on the number they land on they will receive a certain amount of money. They can use this money to buy wither straight or curved pipes.
  3. Students need to connect the different components of their power stations together using their pipes. Each energy resource has slightly different instructions so make sure students read their own set of rules.
  4. First student to connect all their pipes in the correct way and therefore generate electricity from their energy resource wins.