



Resource Match Up

Did You Know? Recycled aluminium only uses 5% of the energy needed to extract new aluminium.

When we recycle, used materials are converted into new products, reducing the need to consume natural resources. If used materials are not recycled, new products are made by extracting fresh, raw material from the Earth, through mining and forestry. Recycling helps conserve important raw materials and protects natural habitats for the future.

Resource Match Up is a game that helps pupils understand the different resources needed to make every day items.

An activity that will support wider study into the benefits of recycling.

This Resource Pack contains activity cards and Teachers Notes.

Curriculum Links for these Resources:

- PE: Developing balance, agility and co-ordination, and begin to apply these in a range of activities
- PHSE: Make links between cause and effect.
- Science: Use of Everyday Materials

Learning Outcome:

I will be able to understand that everyday objects are made from our earth's natural resources and how these resources can be saved if we recycle.





Resource Match Up

How to Set Up

Print off and cut out a set of ['Resource Match Up'](#) cards.

There are 8 'everyday items' and a set of 'resource', 'energy' and 'water' cards. For longevity you might want to laminate the cards.

You will need 8 children: each one to hold a 'everyday item' card. These children stand in a line, side by side but with space between them. They hold the image of the everyday item facing their chest so it is not visible to anyone else.

Have the rest of the pupils line up, again side by side, but facing the everyday items. Divide the 'resource', 'energy' and 'water' cards amongst these children.

On a count of 3, the children with the match up cards must find their everyday item. When the correct 'resource', 'energy' and 'water' cards are matched with their 'everyday item' they can shout 'Matched' and are to stand as a group.

When all the groups are matched, ask the children to read out the resources needed to make the everyday item.

To help children understand the scale of a kilowatt hour or litre of water, comparisons have been provided:

A bath = 80 litres

A Swimming pool = 375000 litres

The average house uses 3,700 kWh electricity per year.

Options:

Rank the everyday items in terms of energy use or water consumption.

Plot on a world map the origin of the resource so children can understand how far some materials travel.

