

Lesson Objectives

- See how refuse is transported around the country
- Learn what happens when rubbish arrives at the centre
- Understand the combustion triangle
- Discover how metals are sorted
- Find out how rubbish is turned into energy

Useful Links

- [Virtual Tour](#)
- [Recycling Facts](#)
- [Where does the rubbish go?](#)
- [The Environment: Recycling](#)
- [Recycle Facts for Kids](#)

National Curriculum Link

KS2 Science - Y5 Properties and changes of materials to show:

1. some changes in properties result in the formation of new materials and
2. these kind of changes are not usually reversible including for example changes associated with burning and the impact of acid on bicarbonate soda

KS2 Geography - Describing and understanding key aspects of the distribution of natural resources including energy

Key Vocabulary

RCV - Refuse Collection Vehicle

Combustion - Process of burning something

Ferrous - Metal that contains iron

Flue - A duct for smoke, like a chimney

Recycle - Processing a discarded material so that it can be used again to make something else e.g. plastic

Recover - Processing a discarded material for another use e.g. producing energy

Waste Hierarchy - An order of preferred methods of dealing with waste

Furnace - A container heated to a very high temperature to burn or melt the contents

Lesson Activities

Pre-Lesson:

1. Print off the Waste Process Diagram so your pupils can fill in the blanks during the live lesson [Click Here](#)
2. Print off the Waste Hierarchy Pyramid so your pupils can fill in the blanks during the live lesson [Click Here](#)

Post-Lesson:

How can you help your school to improve its waste?

- Find out about what your local council can recycle, is this all being done in school?
- Look at some of the children's lunch boxes, how could we reduce waste? Is all the packaging necessary?

Record your class finding in this [worksheet](#)