

Lesson Plan

Lesson 1: What happens to my rubbish?

Year Group: 3-6

National Curriculum links:

Geography

1) Describe and understand key aspects of human geography, including types of land use and the distribution of natural resources (energy and waste management).

PSHE

1) Understand the importance of caring for the environment and the role of individuals and communities in waste reduction.

Science

1) Observe how materials change state when heated or cooled.

Summary:

In this lesson, pupils will learn what happens to rubbish in North London, from being collected by the rubbish truck to being burned and turned into electricity. They will find out what goes in black rubbish bags, how energy is generated from waste, and what by-products are produced.

Prior knowledge required:

- Rubbish needs to be collected and taken away.
- We use different bins for recycling and general waste.
- Electricity makes things work (lights, computers, TVs).
- Energy can come from different sources like wind, sun, or burning things.
- Throwing rubbish away can harm the environment.

Learning objective: To understand what happens to our rubbish in north London

- I can list items that go in a black rubbish bags
- I can state the process of getting energy from waste
- I can state the by-products of the process

Prepare before the lesson:

Mini whiteboards and whiteboard pens.

Resources for optional extension activities (see PPT).

Lesson outline**Slide 4: Vocabulary**

Explicitly teach children the vocabulary words using the definitions in the PPT notes.

Slide 5-6: Vocabulary task

Give 2 minutes for children to match the pictures to the numbers. See PPT notes for answers.

Slide 8-11: What goes in the black bin bags (rubbish)?

Follow the slides to teach children what items we put into black bin bags. Teach children why these items go in the black bin bags.

Slide 12-19: The journey of rubbish

Explicitly teach children the stages of what happens to our black bin bag waste. Use the partner tasks to consolidate learning and build oracy.

Slide 20: Optional video

This video outlines the process of what happens to black bin bag waste in North London.

Slide 22: The waste hierarchy

Introduce the waste hierarchy so children can understand what methods of waste disposal are best and the worst for our environment.

Slide 23-24: Ned's rubbish tips

Teach children 3 tips for reducing black bin bag waste.

Slide 26-28: Optional extension activities