

Lesson Plan

Lesson 3: What happens to my food waste?

Year Group: 3-6

National Curriculum links:

Geography

- 1) Understand how human actions (food waste and recycling) affect the environment.
- 2) Recognise the importance of reducing food waste and protecting natural resources

Science

- 1) Observe how materials change state.
- 2) Understand how environments can change and the impact of waste on habitats.

Summary:

In this lesson, pupils learn what food waste is, which items can go in the food waste bin, and what happens after it is collected. They will explore the process of anaerobic digestion, where food waste is broken down to produce methane for energy and fertiliser for farming.

Prior knowledge required:

- What food is and why we need it
- Where food comes from
- Different states of matter- liquid, gas and solid
- Farmers grow crops and factories process food

Learning objective: To understand what happens to food waste

- Understand what can be put into the food waste bin.
- Explore where food waste goes after we throw it away.
- Learn how food waste can be used to make electricity and fertiliser.

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 8-9: What goes in the food waste bin?

Follow the slides to teach children what items we put into food waste bins. Teach children why these items go in these bins.

Slide 10-17: The journey of food waste recycling

Explicitly teach children the stages of what happens when food waste get recycled. Use the partner tasks to consolidate learning and build oracy.

Slide 18-20: Assessment for learning

Children recap from prior lessons where rubbish, recycling and food waste bins go.

Slide 21: Video of the food waste process

Pause at points to discuss learning.

Slide 23-24: Ned's food waste tips

Teach children 3 tips for reducing food waste.

Slide 25-27: Optional extension activities