ReFood:
The Food Waste Journey

The lesson at a glance: The food that we put into the bin doesn't have to go straight into landfill. At ReFood we've developed a process that collects and converts food waste into renewable energy and creates a nutrient-rich fertiliser. This lesson describes how the process works, and explains the benefits of food waste recycling.

Learning outcome:

- Pupils will gain an understanding of what currently happens to food waste and why recycling food waste makes sense.
- Pupils will learn about the process of Anaerobic Digestion.
- Pupils will see how food waste can be used.

Resources needed:

- The ReFood process video (**watch at www.refood.co.uk/process**)
- The Anaerobic Digestion and the human body poster (1.1)
- 4 x The 'ReFood Food Waste Journey' chart to be photocopied, 1 per group (1.2)
- Process cards, cut out from the photocopied reference sheet, 1 pack per group (1.3)
- Glue sticks

Key words:

- Food waste
- Recycling
- Anaerobic Digestion
- Renewable energy
- Fertiliser
- Electricity

Please see overleaf for detailed lesson plan.

The ReFood Food Waste Journey The lesson steps:

Step 1.
Play the ReFood process video to your class.

Step 2.
After watching the video, talk the pupils through the ReFood process - use the completed ReFood Process (1.3) as a guide, but don't give it to the pupils, as you will later ask them to complete the process themselves. Finally, talk the pupils through the ReFood poster (1.1), which shows how Anaerobic Digestion is similar to the human body.

Step 3.
Split the class into 4 teams. Give each team a wall chart (1.2), process cards (cut from 1.3) both photocopied from the enclosed resources, and a glue stick. Ask each team to stick the process cards in the order that the process should be.

Step 4.
Ask one member of each team to read out the order in which they have placed the cards and ask the class to confirm if they are right or wrong. (If not, ask the class why). Please refer to the completed sheet in the pack for the correct order.