

# Bomere and the XI Towns Federation Knowledge Organiser—Science

Topic: - Decay and Recycling

Class/Year Groups: Year 5/6

Term: Summer

## What you already know?

This will be new teaching in science. But children will have an understanding of recycling from PSHE.

## What you will learn:

The children will be planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary .

Using test results to make predictions to set up further comparative and fair tests

Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations

Identifying scientific evidence that has been used to support or refute ideas or arguments.



## Vocabulary

**Decay** To rot or decompose through the action of bacteria and fungi.

**Recycle** To convert waste into a usable product.

**Bacteria** A large group of single-cell microorganisms. Some cause infections and disease in animals and humans.

**Variable** A quantity that may assume any one of a set of values. : a symbol representing a variable. : something that is variable. : a factor in a scientific experiment that may be subject to change

## National Curriculum Objectives:

- Describe the process of decay and its usefulness
- Identify materials that will decay
- Plan a scientific enquiry to find decay times of common materials, recognising and controlling variables
- Record findings and estimate degree of trust in results
- From investigation, estimate the time needed for some common materials from litter to decay
- Know that some materials can be recycled into useful new materials

