



KS2 Science

Year 4 - Information for Teachers

National Curriculum objectives:

Working Scientifically

- Making systematic and careful observations and, where appropriate, taking accurate measurements.
- Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.
- Identifying differences, similarities or changes related to simple scientific ideas and processes.
- Using straightforward scientific evidence to answer questions or to support their findings.

Living Things and their Habitats

- Recognise that living things can be grouped in a variety of ways.
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.

Activities:

1) Mother Shipton's Science Trail:

- * Children use the booklet as they go through the park and spot the different types of trees from their trunks. They also look for wild plants as they walk through the park and tick them off on their trail booklets. They look at classification keys and create their own using the wild plants seen in the park. They finally learn about the process of petrification.

2) PowerPoint presentation. The presentation can be used back in the classroom as a follow-on activity as children:

- * Revisit trees spotted.
- * Review use of a classification key.
- * Watch BBC videos on classification keys: <https://www.bbc.co.uk/bitesize/articles/z9cbcwx>
- * Children create their own classification keys using vertebrates and invertebrates of their choice.

Mother Shipton's

Resources needed:

- *Pencils*
- *Rubbers*
- *String*
- *Paper*