



## KS2 Science

### Year 5 - Information for Teachers

#### National Curriculum objectives:

##### Working Scientifically

- Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- 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.

##### Living Things and their Habitats

- Describe the life process of reproduction in some plants and animals.

#### Activities:

##### 1) Mother Shipton's Science Trail:

- \* Children learn about the importance of trees and use the booklet as they go through the park to spot the different types of trees from their trunks.
- \* Learn about the plant lifecycle with information given about pollination, fertilisation, seed dispersal and germination.
- \* Go on a plant hunt searching for different plants/parts of plants known to grow in the park linking to the plant lifecycle.
- \* Learn about the process of petrification and the formation of Mother Shipton's Cave.

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

- \* Revisit trees and plants spotted in the trail
- \* Learn about the reproductive parts of a flowering plant in more detail and using a flower try to find each part
- \* Watch videos and answer questions on:  
pollination <https://www.bbc.co.uk/bitesize/clips/zfx76sg> ,  
seed dispersal <https://www.bbc.co.uk/bitesize/clips/znvfb9q>  
and germination <https://www.bbc.co.uk/bitesize/clips/zb4rkqt>
- \* Role-play the process of pollination in groups

# Mother Shipton's

## Resources needed:

- *Pencils*
- *Rubbers*
- *String*
- *Paper*
- *Plants for the classroom activities*