

Science Year 5 & 6- information for teachers

2014 National Curriculum link:

Year 5 & 6 (plants):

- ‘Describe the life process of reproduction in some plants’.

Objectives covered (linking to the Chris Quigley ‘Essentials’)

To work scientifically:

- ‘Report findings from enquiries, including oral and written explanations of results, explanations involving causal relationships, and conclusions’.

To understand plants:

- ‘Relate knowledge of plants to studies of evolution and inheritance’.

To investigate living things:

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

Activities

1) Mother Shipton’s Cave Tree Trail:

* Children use the booklet as they go through the park and spot the different types of trees from their trunks. As they spot the trees, they also make bark rubbings to distinguish further differences between their trunks.

2) Powerpoint presentation:

The presentation should be used as a follow-on activity back in the classroom as children:

- ✓ Revisit trees spotted
- ✓ Name plants and different parts of plants
- ✓ Look at reproduction of plants
- ✓ Discuss flowering and non-flowering plants
- ✓ Look at parts of a flower and then identify the different parts using real flowers
- ✓ Look at pollination, fertilisation, seed dispersal and germination using BBC Learning Zone videos
- ✓ Discuss and answer key question about each
- ✓ Play Bitesize KS2 Plant life cycles game

- ✓ Role play the process of pollination- children dress up as a bee and different parts of a flower
- ✓ Bitesize KS2 plant life cycles quiz

Resources needed- Year 5 & 6

- *Pencils*
- *Rubbers*
- *Paper (preferably thin for bark rubbings)*
- *Measuring tape*
- *Flowers to dissect and identify parts of*
- *Role play activity sheet and resources*