



Meadows First School Knowledge Organiser Science (Understanding of the World)

Year R Autumn 2

Theme: - (linked to Seeds & growing & Seasons)

Key knowledge linked to ELG

The horse chestnut tree at the front of the school will be monitored for changes over the year (our school logo)

- ELG: Explore the world around them, making observations and drawing pictures
- ELG: Know similarities and differences between the natural world around them
- LO; Understand the effect of changing seasons on the natural world around them.



Scientific Enquiry Skills.

Our Working Scientifically Skills







Key Vocabulary:

Awareness of the changes brought on by seasons (Summer - to Autumn to winter)

| Definitions | |
|---------------|--|
| Autumn | The season after Summer and before Winter. |
| Winter | The season after Autumn and before Spring. |

| | |
|---------------|---|
| Autumn | Noticing leaves changing colour, falling, production of seeds & fruit |
| Winter | Deciduous trees have lost their leaves |
| Spring | New shoots, buds warmer weather |
| Summer | Flowers, leaves |

| Key Vocabulary | |
|---|---------------|
|  | pine cone |
|  | conker |
|  | Autumn leaves |
|  | frost |

A lot of this learning will be in Forest School

Key questions

This sequence of learning will form the basis of the Forest School exploration in reception over the Autumn term – noticing changes in the seasons and growing:

The children will (over the year as they revisit the forest school site):

Name some common flowers.

Name simple parts of a plant/ tree

Have an understanding of 'a life cycle' of a tree/ strawberry – seeds growing

Understand that seeds of a tree/ plant will grow into new plant/ tree – but some take longer than others! (eg oak tree and strawberry and cress)

Prior/future knowledge:

Nursery:

Explored through forest school to local environment and the effect of changes in the seasons

They will have looked at planting and growing in Nursery garden and used some produce for cooking (eg apple pies). They will have begun to name simple parts of a plant and some understanding of what plants might need.

Future learning: Year 1