

Knowledge Organiser-Year R and 1-Term 4

Topic title: Ready, Steady, Grow Understanding of the World

Topic Themes: Science/ Knowledge and

Our objectives for the topic:

- I can name the parts of a plant
- I know what plants, need to grow- nutrients
- I can describe the life cycle of a plant/ human and frog
- I know what parts of a plant we eat
- I can recognise and name wildflowers
- I can explain what parts of the plants do
- I know seeds come in different shapes and forms
- I can match animals to their young

Essential Knowledge:

- Being able to observe the natural world and talk about what we see
- We eat some plants for food
- We can identify and name different plants and trees
- Being able to describe different types of weather
- Naming the seasons in the year



Books, stories and webpages linked to the topic

Key Vocabulary and definitions:

root		The roots anchor the plant. They absorb water and chemicals so plants can grow.
stem		The stem supports the plant and transports food.
trunk		The main stem of the tree.
leaf		The leaf makes food for the plant
flower		Some buds produce flowers which produce seeds for new plants.
petal		A coloured separate part of a flower.
seed		Part of a plant that grows into a new plant.
bulb		A thick rounded part of a plant, from which a stem will grow up and the roots will grow down.
germination		When a seed begins to grow.
life cycle		The series of changes in a living thing.

Interesting Plant Facts

- Some plants do not have flowers or seeds, e.g. moss and ferns. They reproduce by making spores.
- Some trees are deciduous and lose their leaves in the winter, while other trees are coniferous (or evergreen) and keep their leaves all year round.
- Some plants live underwater - they are called aquatic plants.

Key questions

- What do plants need to grow?
- How do you care for plants?
- What is the lifecycle of a plant?
- What is the life cycle of a human? What has changed since you were a baby?



Home learning:

Can you make a model of a miniature garden?



When you have completed your model, please can you bring model into school.

Here are some other home learning challenges:

Grow a Bean in a Jar

Place a bean seed in a clear jar with damp cotton wool.

Watch as roots and a stem grow! Talk about what plants need to survive.



Plant Hunt

Go outside and find different plants. Are they big or small? Do they have flowers?

Draw or take photos of your favourite ones.

Vegetable Sorting

Look at different vegetables at home. Which ones grow above the ground?

Which ones grow under the ground?

Try planting carrot tops in water to see if they grow!

Make a Nature Collage

Collect leaves, flowers and seeds. Use them to make a picture of a tree or garden.



Animal Homes Hunt

Look outside for birds in nests, ants in soil or spiders in webs.

Talk about where different animals live and why

Make a Pet Poster

If you have a pet, draw a picture and write its name.

If not, choose an animal you'd love as a pet and talk about how to take care of it.

My Body

Draw around your child on a big piece of paper. Label body parts like head, arms, legs and fingers. Talk about what each part does.

Can you bring to school a photo of you as a baby and a toddler? We will be using them to create a timeline.

