



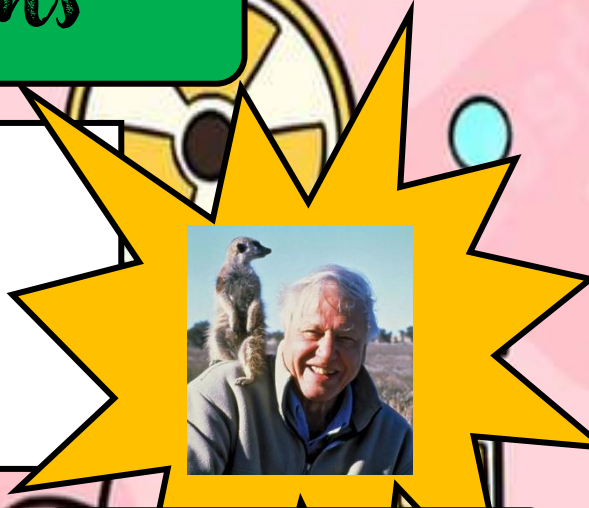
Spring Vale Primary School: Science Nursery



Topic: Animals Including Humans

Learning Aims:

- Observe animals closely through a variety of means e.g. magnifiers & photographs.
- Look at key stages of development from birth to adult.
- Name & identify body parts.
- Observe & describe in words or actions the effects of physical activity on body.



David Attenborough

Learning Outcomes: Pupils can...

Nursery Expected

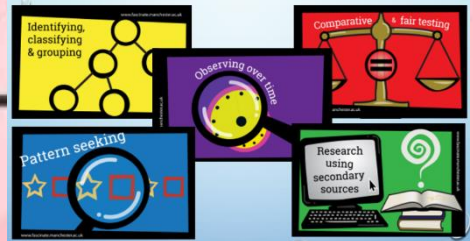
- I can identify the key stages of development from birth to adult.
- I can identify the different body parts.
- I can identify in words or actions the effects of physical exercise on the body.

Nursery Exceeding

- I can ask why questions about the differences I observe.
- I can identify and begin to describe the key stages of development from birth to adult.
- I can describe in words the effects of physical exercise on the body.



Wonder Question:
How are birds different to humans?



Investigation Bank:

- Nature Watching / Nature Walk
- Body Part Sorting



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Topic: Plants

Learning Aims:

- I understand that most plants start growing from a seed.
- I know understand that all plants need water & light to grow & survive.
- I can observe plants closely through a variety of means e.g. magnifiers & photographs.
- Extend vocabulary: leaves, roots, trunk, branches, stem.
- Use all the senses in hands-on exploration of plants.



David Attenborough

Learning Outcomes: Pupils can...

Nursery Expected

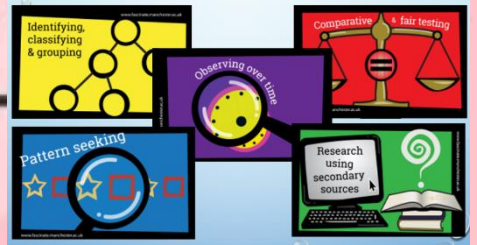
- I can identify a plant.
- I can identify the parts of a plant: leaf, flower, seed.
- I can plant a seed and care for it.

Nursery Exceeding

- I can identify what plants need for growth and to survive.
- I can ask why questions about the differences I observe.



Wonder Question:
What do plants need to grow and survive?



Investigation Bank:

- Plant Deconstruction
- Magnifying Glass Experiment
- Planting Investigation



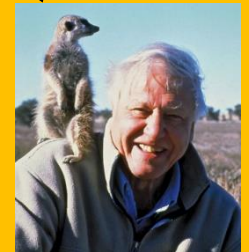
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Topic: Everyday Materials

Learning Aims:

- Use all their senses in hands-on exploration of natural materials.
- Explore collections of materials with similar and/or different properties.
- Talk about what they see, using a wide vocabulary.
- Explore how things work e.g. push, pull.
- Talk about the differences between materials and changes they notice e.g. cooking, melting, shadows, floating & sinking.



David Attenborough

Learning Outcomes: Pupils can...

Nursery Expected

- I can group materials with similar / different qualities.
- I can identify some of the differences between materials.
- I notice the characteristics of liquids and solids.

Nursery Exceeding

- I can ask why questions about the differences I observe.
- I can identify and describe the forces I am able to feel.
- I can describe some of the differences between materials.



Wonder Question:
What happens when you melt chocolate?



Investigation Bank:

- Floating and Sinking Investigation
- Melting chocolate



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Topic: Living Things and Their Habitats

Learning Aims:

- Explore different habitats outdoors, e.g. scent, colour & shape.
- Observe growth & decay over time.
- Begin to understand the need to respect & care for the natural environment & all living things.
- Talk about what they see, using a wide vocabulary.



David Attenborough

Learning Outcomes: Pupils can...

Nursery Expected

- I can identify differences with habitats and make comments on their scent, colour, and shape.
- I can identify key changes in growth and decay over time.
- I can describe how to care for our environment.

Nursery Exceeding

- I can ask why questions about the differences I observe.
- I can make comparisons between objects relating to size and capacity.
- I can explain why it is important to care for our environment.



Wonder Question:

What is the best habitat for a frog?



Investigation Bank:

- Habitat Hunting
- Bug Hotel
- Pond Dipping