

EYFS UTW

- Understand the effect of changing seasons on the natural world around them.
- Children plant beans .Children understand the life cycle of a bean.
- Observe the range of dried beans. Talk about what they see, using a wide vocabulary e.g. shoot, root, seedling etc
- Name trees in the school grounds and understand how some trees change throughout the year. Know that some trees are called evergreen trees and they don't lose their leaves.
- Describe what they see, hear and feel whilst outside.
- Understand the life cycle of a flowering plant.
- Learn about the life cycle of butterflies. Explore features of butterflies and learn vocabulary linked to this.
- Hoglets- Learn about life cycles. Which animals hatch from an egg? Learn about the life cycle of a butterfly and a frog
- Name some common birds in the UK.
- To identify healthy and unhealthy food.
- Describe life cycles of plants and animals.

Year 1 - Knowledge

- To identify and group animals.
- To describe a variety of animals.
- To compare the features of animals.
- To identify animals that are carnivores, herbivores and omnivores
- To recognise animals that make suitable pets.
- To describe and compare the structure of animals.

Science on a Page Knowledge

Term - Spring 2

Subject Leader - Sara Hobbins



Year 2- knowledge

- To identify different stages of the human life cycle.
- To know which off spring comes from which parent animal.
- To observe and measure growth in humans.
- To identify and list the basic needs for survival for humans and animals.
- To recognise the importance of exercise and personal hygiene.
- To identify how to have a balanced diet.

Year 3 knowledge

- To explain the role of light sources.
- To compare light reflecting on different surfaces.
- To recognise which materials cast a shadow.
- To summarise how shadows change throughout the day.
- To investigate how the distance of light sources affects the size of its shadow.
- To tell a story using show puppets.

Year 4 Knowledge

- To describe how sounds are made.
- To describe how sounds are heard through different mediums.
- To describe the relationship between vibration strength and volume.
- To describe the relationship between volume and distance.
- To describe pitch and how to change it.
- To explain how insulating materials can be used to muffle sound.

Year 5 Knowledge

- To describe the life cycle of a plant including the reproductive stage.
- To describe the life cycle of a mammal.
- To describe the life cycle of a bird and compare it with a mammal.
- To describe the life cycle of an amphibian.
- To describe the life cycle of an insect and compare it with an amphibian.
- To describe asexual reproduction in plants.

Year 6 - Knowledge

- To use recognised symbols for electrical components.
- To predict and present results for electrical circuits.
- To recognise a link between the number of components and resistance.
- To identify ways to change voltage within an electrical circuit.
- To investigate how voltage affects bulb brightness.
- To apply knowledge of circuits and components to a practical solution.

