

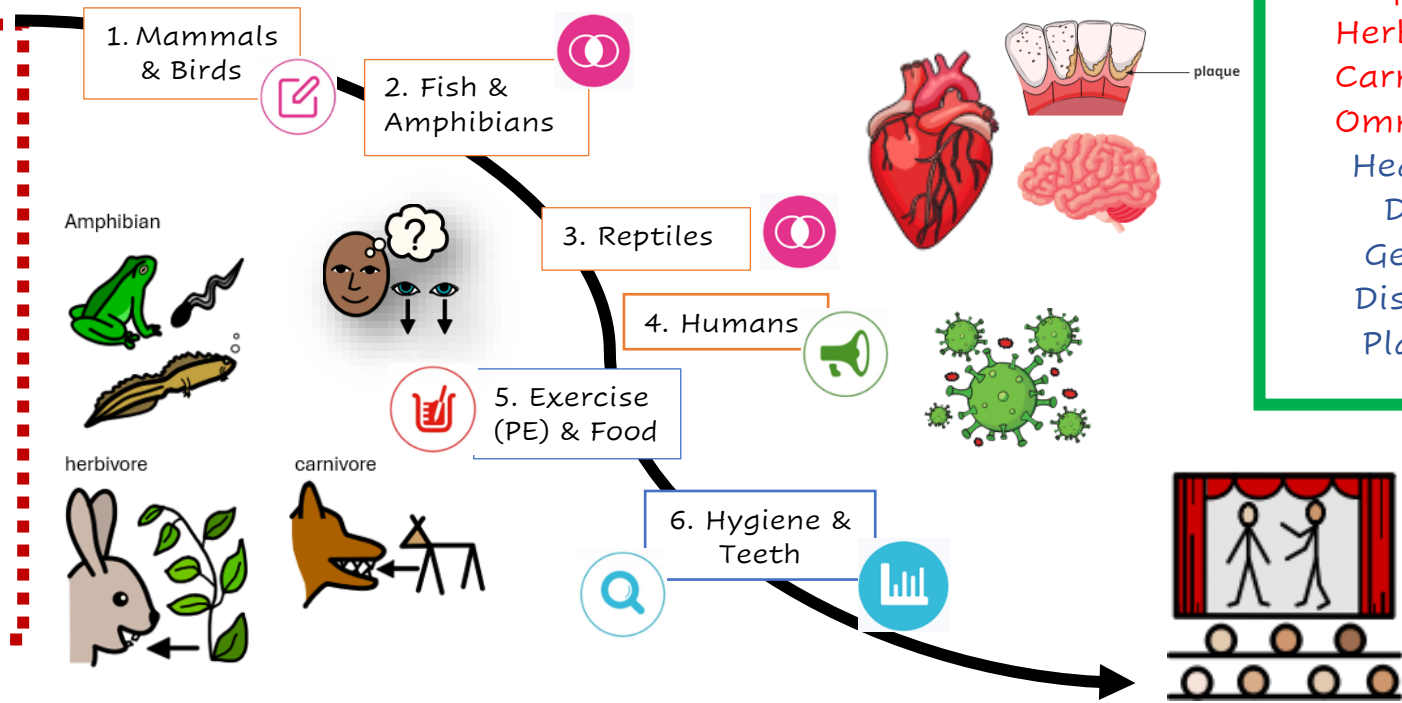


Biology
 Mammals
 Amphibians
 Reptiles
 Herbivore
 Carnivore
 Omnivore
 Healthy
 Diet
 Germs
 Disease
 Plaque

Enquiry Question: **How can we group animals based on their needs for survival?**
Do the oldest children have the most teeth?

What do we know?

- We know how to classify different animals and make comparisons. (Year 1)
- We know that animals have different diets. (Year 1)
- We know how to name parts of the human body and link them to our senses. (Year 1)



Big Idea

Biology



Forever Facts

Know how we group animals and describe the basic needs of animals and humans for survival.

Know why exercise, diet and hygiene is important for us to stay healthy.

Know that observing closely, asking questions and using equipment can help us to identify and classify.

Where will it go?



Showcase

So... What do animals and humans need to survive?

Make a poster to encourage the children in SMUPS to stay healthy.



Learning Organiser: Growing Up (Life Cycles) & Wildlife (Sustainability)

Enquiry Question: **Are there patterns between the life cycles of different animals?**

Why is it important to care for wildlife

Vocabulary
 Biology
 Offspring
 Growth
 Adolescent
 Parent
 Life Cycle
 Amphibian
 Insect
 Environment
 Habitat
 Microhabitat
 Nature
 Local
 Food Chain
 Wildlife
 Crops

What do we know?

Know how we group animals and describe the basic needs of animals and humans for survival.

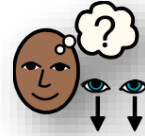
Know why it is important to take care of our planet.

Know how animals get their food from plants and other animals and explain food chains.

1. Offspring & life cycles of a Human



2. Life cycles of different mammals



3. Life cycles of amphibians



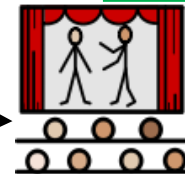
4. Life cycle of a butterfly.



5. Are there patterns between the life cycles of different animals?



6. What does wildlife do for us and what can we do for wildlife?



Big Idea

Biology & Sustainability



Forever Facts

Know that animals, including humans have offspring which grow into adults **why** a humans life cycle is different from a frog.

Know how the offspring of reptiles, amphibians, birds and most insects are different to a mammal.

Know why it is important to care for wildlife and animals.

Where will it go?

Showcase

So... how important is it to care for wildlife?
 Children to create a wildlife area for our local grounds.



Habitat
Microhabitat
Insects
Hibernate
Shelter
Diet
Herbivore
Carnivore
Omnivore

Enquiry Question: **What different habitats are there on Planet Earth and what lives in each habitat?**

What do we know?

We know how we group animal's basic needs of animals and humans for survival. (Year 2)

We know that here are different types of animals and that they have different features (Year 1).

We know why exercise, diet and hygiene is important for us to stay healthy

1. Habitats in my local area



2. Polar Habitats, Desert Habitats & Ocean Habitats



3. Woodland Habitats



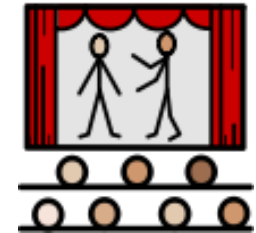
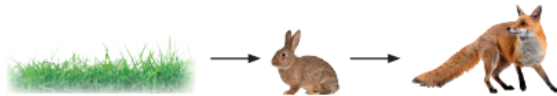
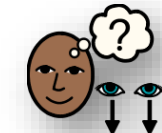
4. Microhabitats



5. Habitats, Diet & Food Chain



6. Living, Dead, Never Alive



Big Idea

Biology



Forever Facts

Know that a habitat provides everything a plant or animal needs to survive.

Know why animals live in different habitats on planet Earth and why they are suited to them.

Know how animals get their food from plants and other animals and explain food chains.

Where will it go?

Showcase

So... What different habitats are there on Planet Earth and what lives in each habitat?

We will do a photo presentation of our trip to Arlington Court and say what type of animal lives in the pictured habitat and what they would eat.



Enquiry Question: **Do plants grow healthier in the light or the dark? How do bulbs and seeds change over time?**

Vocabulary

Biology
 Roots
 Leaves
 Petals
 Stem
 Variable
 Controlled
 Survive

Temperature
 Mature
 Shoot
 Seed
 Bulb

What do we know?

We know that some trees change colour through the seasons. (Year 1)

We know why some plants are wild. (Year 1)

We know how to identify the different parts of a plant. (Year 1)

1. Explore plants and their parts

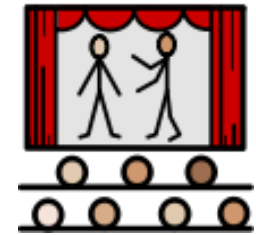
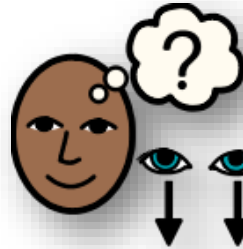
2. What do plants need to **survive**?

3. **Experiment-** Do plants grow healthier in the **light or the dark**?

4. Bulb or Seed?

5. What do plants need to **grow**?

6. **Experiment-** How do bulbs & Seeds change over time.



Big Idea

Biology



Forever Facts

Know that a seed can be found inside or outside a plant and that a bulb stores food for the plant to grow again.

Know why plants need water, light and a suitable temperature to grow and say what would happen if they do not have these variables.

Know how to observe and describe how seeds and bulbs grow into mature plants.

Where will it go?



Showcase



So... We will observe closely the seeds and bulbs that we plant and explain how and why they have changed.

Enquiry Question: **Which material would be the best for an umbrella?** How is plastic helpful and harmful?

Vocabulary
 chemistry
 material
 natural
 brittle
 flexible
 transparent
 translucent
 opaque
 lightweight
 waterproof
 breakable
 tough
 squash
 bend
 twist
 stretch
 Sustainability
 Single use
 Multiple use
 Recyclable
 Human-made



What do we know?

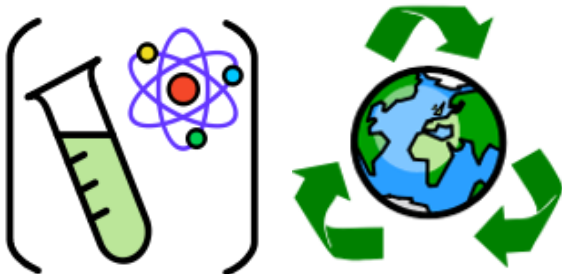
We know that there are natural materials like wood, water and rock and manmade materials like plastic, glass and metal.

We know why we have objects that are transparent (see through) and some are opaque (not see through).

We know how to identify and classify different materials.

Big Idea

Chemistry & Sustainability



1. Explore materials (wood, paper, cardboard, brick & rock)



2. Glass, plastics, metal & fabric



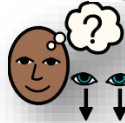
3. Same object, different material



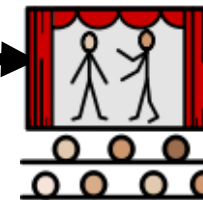
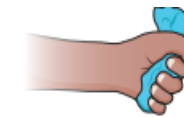
4. Test materials – bend, squash, twist and stretch



5. Experiment- Waterproof



6. How is plastic helpful and harmful and how can we reduce our plastic waste in school?



Forever Facts

Know how to identify and compare the suitability of a variety of everyday materials for uses.

Know how the shapes of solid objects can change depending on what material it is.

Know that plastic can be helpful, or harmful to humans and other animals.

Where will it go?

Showcase

So... Which material would be the best for an umbrella?

We will carry out an experiment and explain which material would be the best.