

St Michael's CE Primary School

Science Curriculum Overview



Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception						
Year 1 & 2 Cycle A	A1 BIG Q: How are animals the same and different? Identify common animals and body parts.	A2 BIG Q: What do you notice in our school environment in the autumn? Identify common deciduous trees/ plants and their basic parts/ Notice the impact of energy from the sun in Autumn	SP1 BIG Q: What changes do you notice in the environment in winter?	SP2 What changes do you notice in the environment in spring?	SU1 How do we identify different materials?	SU2 What changes do you notice in the garden in summer?
Year 1 & 2 Cycle B	A1 BIG Q: What can you use different materials for? Compare suitability of materials to their uses and the impact of changing their shape	A2 BIG Q: What do animals need to survive and thrive? Identify what animals need to thrive and survive	SP1 BIG Q: What do you notice about animal adults and their offspring? Notice that animals reproduce	SP2 BIG Q: What do you notice about plant adults and their offspring? Observe how plants grow	SU1 BIG Q: What do plants need to thrive and survive? Identify what plants need to thrive and survive	SU2 BIG Q: How do different habitats help animals and plants to thrive and survive? Identify how plants and animals thrive and survive together in habitats
Year 3 & 4 Cycle A	A1 BIG Q: How can we control light? Notice light and dark including shadows	A2 BIG Q: How do forces affect objects?	SP1 BIG Q: How do some plants and animals stand up?	SP2 BIG Q: What do plants and animals need to thrive and survive?	SU1 BIG Q: How do flowering plants reproduce?	SU2 BIG Q: How do rocks and soils change?
Year 3 & 4 Cycle B	A1 BIG Q: How can the state of materials change?	A2 BIG Q: How can we control sound?	SP1 BIG Q: What is the structure and function of the digestive system?	SP2 BIG Q: How can we classify living things?	SU1 BIG Q: Why are food chains important?	SU2 BIG Q: How does electricity travel and how can we control it?
Year 5 & 6 Cycle A	A1 BIG Q: Are all changes to materials irreversible?	A2 BIG Q: How can forces affect movement?	SP1 BIG Q: How do forces impact planets and moons?	SP2 BIG Q: How does the structure and function of animals change as they grow?	SU1 BIG Q: How do different types of animals reproduce?	SU2 BIG Q: How do different types of plants reproduce?

**Year 5 & 6
Cycle B**

A1 BIG Q: How can I enable my body to thrive?

A2 BIG Q: How does classification help us to identify species?

SP1 BIG Q: How have adaptations helped living things to thrive and survive?

SP2 BIG Q: How does light allow us to see?

SU1 BIG Q: How does light allow us to see?

SU2 BIG Q: How can I change the output of a series circuit?