



# Kilmington Primary School Science Overview



## Ospreys Science Overview

	SPRING TERM			SUMMER TERM		
<b>Year A</b>	Earth and space 5 (6) - Physics <ul style="list-style-type: none"> <li>• What are the names of the planets in the solar system?</li> <li>• How do we know the Earth is a sphere?</li> <li>• How long does it take for Earth (and other planets) to orbit the Sun once?</li> <li>• What is the largest object that orbits the Earth?</li> <li>• Why is there day and night on Earth?</li> <li>• Does the Moon change shape?</li> </ul>	Electricity 6 – Physics <ul style="list-style-type: none"> <li>• How do I draw a scientific diagram of a circuit?</li> <li>• How does voltage in a circuit affect the brightness of a bulb?</li> <li>• How do I plan a fair test experiment to investigate variations in how components function?</li> <li>• How do I write a conclusion for my investigation?</li> <li>• What is renewable and non-renewable energy?</li> </ul>	Animals including humans - Heart and Blood 6 (6) - Biology <ul style="list-style-type: none"> <li>• What is the circulatory system?</li> <li>• How does our heart work?</li> <li>• How does exercise affect my heart rate?</li> <li>• What does the blood transport around the body?</li> <li>• How can I live a healthy lifestyle?</li> <li>• What can damage our health?</li> </ul>	Forces 5 (6) - Physics <ul style="list-style-type: none"> <li>• What is gravity?</li> <li>• What is friction?</li> <li>• Friction investigation</li> <li>• Identify the effects of air resistance</li> <li>• What is water resistance?</li> <li>• Gears, levers and pulleys</li> </ul>	Living things and their Habitats 6 (6) - Biology <ul style="list-style-type: none"> <li>• How are animals classified?</li> <li>• What is a classification key?</li> <li>• How can we classify plants?</li> <li>• Is yeast a living microorganism?</li> <li>• What are the five main groups of microorganisms?</li> <li>• Who was Carolus Linnaeus?</li> </ul>	
<b>Year B</b>	Evolution 6 (6) - Biology <ul style="list-style-type: none"> <li>• How are plants adapted to their environment?</li> <li>• How are animals are adapted to their environment?</li> <li>• What is natural selection, how does this lead to evolution?</li> <li>• How do adaptations lead to evolution?</li> <li>• What characteristics can you inherit from your parents?</li> <li>• How can fossils help us explain evolution?</li> </ul>		Light 6 (5) - Physics <ul style="list-style-type: none"> <li>• How does light travel?</li> <li>• Which materials make the best reflectors?</li> <li>• How does the eye work?</li> <li>• How do shadows change during the day?</li> <li>• Why do objects look different in water?</li> <li>• How do mirrors work?</li> </ul>	Materials 5 (7) - Chemistry <ul style="list-style-type: none"> <li>• What are the properties of solids, liquids and gases?</li> <li>• How can I describe the properties of materials?</li> <li>• Which materials make the best thermal insulators?</li> <li>• Which materials are magnetic?</li> </ul>	Animals including humans 5 (4) - Biology <ul style="list-style-type: none"> <li>• How do humans change throughout their life?</li> <li>• How do we develop in the womb?</li> <li>• How do we change through puberty?</li> <li>• How do we change when we are senior?</li> </ul>	Living things 5 (6) - Biology <ul style="list-style-type: none"> <li>• What are the seven life processes?</li> <li>• How do mammals reproduce?</li> <li>• Do animals reproduce in the same way?</li> <li>• How do plants reproduce?</li> <li>• What is a lifecycle?</li> <li>• What are the stages in the lifecycle of a plant?</li> </ul>



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			<ul style="list-style-type: none"><li>• Which materials are soluble, and which are insoluble?</li><li>• How can mixed materials be separated?</li><li>• What is an irreversible change?</li></ul>		
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