

Park End Primary School

End Point Assessments

End Point Assessments for Science from EYFS to Year 6

Subject	Science
Coverage	Nursery to Year 6
Key aims	This document signifies the key learning children will be assessed against and need to progress.



Park End Primary School. Science End Point Assessments

Science End Point Assessments Overview

The end point assessments are organised by year group and strand. They support curriculum sequencing, teacher planning, assessment and subject leadership review

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Year					
EYFS	- Explore and observe the natural world (plants, animals, weather, seasons) - Describe what they see, hear, and feel - Recognise differences between environments - Understand simple changes and processes (e.g. growth, decay, seasons) - Notice and talk about change over time - Show awareness of similarities and differences in the world Observe closely and explore through play - Ask questions (e.g. why/how) Compare objects and materials (e.g. size, temperature) - Begin to use simple scientific vocabulary				
	Animals Including Humans	Plants	Living Things and their Habitats	Everyday Materials	Seasonal changes
1	Name and locate parts of the human body, including those related to the senses		- Describe and compare the observable features of animals from a range of groups - Group animals according to what they eat	Distinguish objects from materials, describe their properties, and identify and group everyday materials	Describe seasonal changes
2	- Describe the importance of exercise, a balanced diet and hygiene for humans - Describe the basic needs of animals for survival and the main changes as young animals (including humans) grow into adults - Identify whether things are alive, dead or have never lived	Describe the basic needs of plants for survival, the impact of changing these, and the main changes as seeds and bulbs grow into mature plants	- Describe and compare the observable features of animals from a range of groups - Group animals according to what they eat	Compare the suitability of everyday materials for different uses	

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Unit	Year 3	Year 4	Year 5	Year 6
Animals Including Humans	Name and describe the functions of the main parts of the musculoskeletal system	Name and describe the functions of the main parts of the digestive system		- Name and describe the functions of the main parts of the circulatory system - Describe the effects of diet, exercise, drugs and lifestyle on the body
Living Things and Their Habitat		- Construct and interpret food chains - Explain how environmental changes may have an impact on living things	Describe and compare different reproductive processes and life cycles in animals	Use observable features to group, classify and identify plants, animals and micro-organisms using keys
Earth and space			- Describe the movement of the Earth, Moon and planets - Explain day and night in terms of Earth's rotation	
Electricity				- Construct and control a simple series circuit - Describe how circuits change when components are altered - Use recognised symbols to represent circuit diagrams
Light	Explain the formation and size of shadows			- Explain how we see objects using light travelling in straight lines - Explain the shape of shadows
Sound			- Explain that sounds are made from vibrations and travel through a medium - Year 4: Describe relationships between pitch and sound source - Year 4: Describe relationships between volume, vibration strength and distance	
Rocks	Group and identify rocks in different ways according to their properties, based on first-hand observation			

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Forces and Magnets / Forces	Describe magnetic forces, including attraction and repulsion between poles		- Describe the effects of contact forces (air resistance, water resistance, friction) and gravity - Year 5: Identify simple mechanisms (levers, gears, pulleys) that increase force	
Properties and Changes of Materials			- Group and identify materials based on their properties - Year 5: Justify the use of everyday materials based on their properties - Year 5: Identify and describe dissolving in everyday situations - Year 5: Describe how to separate mixtures and solutions - Year 5: Identify whether changes in materials are reversible or not	
States of Matter		- Describe the characteristics of solids, liquids and gases and group materials accordingly - Describe how materials change state at different temperatures, including the water cycle		
Evolution and Inheritance	Describe how fossils are formed			- Use ideas of inheritance, variation and adaptation to explain evolution - Explain how fossils provide evidence for evolution
Plants	- Name, locate and describe the functions of the main parts of plants, including transporting water and nutrients - Describe the requirements of plants for life and growth		Name, locate and describe the functions of the main parts of plants, including those involved in reproduction	