

Science Curriculum Map

Year R's Science focus is within the Foundation Stage Curriculum under Knowledge and Understanding of the World.

Cycle A 2025-2026	Year 1/2	Year 3/4	Year 5/6
Longitudinal study	<p>Steve the Stick Insect wants to move to Amport. How will the seasons affect the number of friends he will find?</p> <p><i>Children choose a small habitat in the local area. They identify all the minibeasts they can over a few days. Which ones do they think will hibernate and why? Check again a few times over the year to see what happens. Be aware that some animals don't hibernate but are only active above certain temperatures e.g., slugs are only active above 5oC whereas snails hibernate.</i></p>	<p>How can we encourage more pollinators to visit the school grounds this year?</p> <p><i>Children to investigate and choose the best bulbs/ seeds to plant in pots around the school grounds. Children to find out when to plant them and when they will flower. Children to observe the plants and monitor any pollinators that visit them at different points in the year.</i></p>	
Topics do not have to start and end in line with holidays	<p>Animal Survival (7 sessions)</p>	<p>Magnets (6 sessions)</p>	<p>Controlling electrical circuits (8 sessions)</p>
Long term studies to be spread throughout the year	<p>Habitats (7 sessions)</p>	<p>Animals, Skeletons and movement (6 sessions)</p>	<p>Circulation (7 sessions)</p>
	<p>Seasons (7 sessions)</p>	<p>Plants and their food production (7 sessions)</p>	<p>Space and Gravity (8 sessions)</p>

Amport Primary School
COURAGE COMPASSION RESPECT

	<p>Pushes and Pulls</p> <p>(8 sessions)</p>	<p>Plant reproduction</p> <p>(7 sessions)</p>	<p>Forces that oppose Motion</p> <p>(8 sessions)</p>
	<p>Animal lifecycles</p> <p>(7 sessions)</p>	<p>Making electrical circuits work</p> <p>(6 sessions)</p>	<p>How Light Behaves</p> <p>(7 sessions)</p>
<p>Total number of sessions over Cycle A</p>	<p>36 plus Longitudinal Study</p>	<p>32 plus Longitudinal Study</p>	<p>38 sessions</p>

Cycle B 2026-2027	Year 1/2	Year 3/4	Year 5/6
<p>Longitudinal study</p>	<p>Do all plants produce flowers and seeds and what happens to them after they have flowered?</p> <p><i>Pupils choose a few plants in the school grounds and keep simple diaries of how they change over the year in order to answer the question. From this information, pupils group plants into those that die after flowering and those that carry on living, are there any patterns?</i></p>	<p>How do the populations of living things change in different habitats throughout the year? What food chains might exist between them?</p> <p><i>Children to select a habitat in the local environment and draw a picture of how it appears now and record the numbers of different organisms living there. Children to describe or measure the weather, temperature and hours of daylight. They predict what this habitat will look like in 6 months' time and identify any changes that might take place. Children revisit the site at different points in the year and investigate the habitat as it actually appears, recording the populations of living things now. At each stage, children to consider the food chains that might exist between the organisms living in their chosen habitat.</i></p>	

Amport Primary School
COURAGE COMPASSION RESPECT

Topics do not have to start and end in line with holidays Long term studies to be spread throughout the year	Describing Materials (6 sessions)	Solids Liquids and Gases (7 sessions)	Rocks and Soils (6 sessions)
	Changing Materials- Toys and Nice Things Focus (4 sessions)	Mixtures and separating them (8 sessions)	Fossils. Geological time and classification (4 sessions)
	Plants (8 sessions)	Digestion (7 sessions)	Classification and Evolution (7 sessions)
	Changing Materials- Buildings and Clothing Focus (8 sessions)	Living Things (6 sessions)	Making new substances (8 sessions)
	Making New Plants (8 sessions)	Light (6 sessions)	Sound (10 sessions)
Total number of sessions over Cycle B	34 plus Longitudinal Study	34 plus Longitudinal Study	35 sessions
Total number of sessions over the two year cycle	70 plus Longitudinal Study	66 plus Longitudinal Study	73 sessions