

## Science Rolling Programme

Please note that PLANBEE is used as a skeleton to ensure that all knowledge is covered. There should not be a heavy dependence on worksheets and the Fancy Something Different activities should be used as much as possible. Snapshot Science, TAPS assessments and other resources such as Explorify, should support topics. At least 60% of science should be practical and recorded in the class floor book or annotated photographs in their own books.

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maple	Year A	<p><b>What is a plant ?</b></p> <p>Identifying Plants PLANBEE year 1</p> <p>Plus: Which Season is it?</p>	<p><b>What is an animal?</b></p> <p>Identifying Animals; classification PLANBEE year 1 (for year 2 objectives look at year B)</p> <p>This topic leads very nicely into next term's work on the human body.</p>	<p><b>What are things made of and why?</b></p> <p>Everyday Materials PLANBEE year 1 ( for year 2 objectives look at year B)</p> <p>Plus: which season is it?</p>	<p><b>Why do people wear different clothes? How do I sense things?</b></p> <p>My Body PLANBEE year 1</p> <p>SCIENCE WEEK</p>	<p><b>How, where and why do seeds grow and plants live?</b></p> <p>Seasonal Changes PLANBEE year 1</p>	<p><b>How, where and why do seeds grow and plants live?</b></p> <p>Habitats (either farm, zoo or aquarium visit.)</p>
	Year B	<p><b>What in the world is alive or dead?</b></p> <p>All living things : Explore and compare: Explain the differences between things that are living and things that have never been alive. <b>Growing plants ( PLANBEE yr 2)</b></p>	<p><b>Who lives where and why?</b></p> <p>PLANBEE YEAR 2 Living Things and Their Habitats taught through OCEAN ANIMALS and a study of dinosaurs.</p> <p><b>GROWTH and survival</b> units 6 and 7 could be done in a wet games lesson rather than the summer term.</p>	<p><b>Why are toys made from different materials?</b></p> <p>Materials : Alternative unit: PLANBEE What are toys made from?</p>	<p><b>Why are some products made from different materials?</b></p> <p>Why are some things made from wood?</p> <p>Are some inventions from years ago still used today or have they changed?</p> <p>SCIENCE WEEK</p>	<p><b>What's that growing in the hedgerow?</b></p> <p>Growing plants ( PLANBEE yr 2)</p> <p><b>What does survival mean?</b></p> <p>Growth and Survival ( PLANBEE yr 2)</p>	<p><b>How can the findings of scientists help me to understand physical phenomena?</b></p> <p>Forces and motion ( Own investigations) Is it faster or slower? Dip into biographies and link to literacy <b>(Super Scientists, PLANBEE year 2)</b></p>

Willow	Year A	<p><b>How do living things work and why are there so many variations?</b></p> <p>Environmental challenge: Devon Wildlife Trust.</p>	<p><b>How do living things work and why are there so many variations?</b></p> <p>Animals including humans HEALTH AND MOVEMENT PLANBEE year 3</p>	<p><b>Why do people build houses near to cliffs and what are the dangers?</b></p> <p>ROCKS and SOILS Plan B year 3</p>	<p><b>Can I make a magnetic game?</b></p> <p>Forces and magnets PLANBEE year 3</p> <p>SCIENCE WEEK</p>	<p><b>What might happen if the plants on the banks of the River Otter were destroyed?</b></p> <p>PLANTS How plants grow PLANBEE year 3</p> <p>Habitats: Investigation into different season from autumn term.</p>	<p>Practical Investigation</p> <p><b>Which animals depend on the ecology of the River Otter and our coastline?</b></p> <p><b>Why are shadows longer or shorter?</b></p> <p>Light and Shadow PLANBEE year 3</p>
	Year B	<p><b>What is an ecowarrior? Launch of DWT challenge</b></p> <p><b>What keeps me healthy? Link to PE and DT</b></p> <p>PLANBEE year 4 Eating and digestion first part.</p>	<p><b>Why is jelly wobbly and sticky?</b></p> <p>(PLANBEE year 4 States of Matter)</p>	<p><b>What's that noise?</b></p> <p>Y4 PlanBee Changing sound.</p> <ul style="list-style-type: none"> <li>Sources of sound</li> <li>Pitch and volume</li> <li>Vibrations and the ear.</li> </ul> <p><b>Why do I have to eat?</b></p> <p>Remaining part of PlanBee Y4 Eating and Digestion.</p> <ol style="list-style-type: none"> <li>The process</li> <li>The need</li> </ol> <p>Teeth</p>	<p><b>What do I need to know to make a burglar alarm ( link to DT) ?</b></p> <p>Y4 PlanBee Circuits and Conductors.</p> <p>ECOWARRIORS to look at alternative sources of power (Archimedes screw) and if any are in Tipton.</p> <p>SCIENCE WEEK</p>	<p><b>What's in our world?</b></p> <p>PLANBEE year 4 Environments Classification of living things</p> <p><b>ECOWARRIORS</b> Mapping of species before and after project.</p>	<p><b>What can we do to make a difference?</b></p> <p>( Possible trip to Bicton Heathland...Clinton estates)</p> <p><b>Kingfisher AWARD 3</b> week project run by Clinton Estates.</p>

Oak	Year A	<p><b>How and why do living and non-living things change?</b></p> <p>Properties and change of materials PLANBEE year 5</p>	<p><b>Why are different materials used for everyday things?</b></p> <p>Properties and change of materials PLANBEE year 5</p>	<p><b>What is an optical illusion?</b></p> <p>SEEING LIGHT PLANBEE YEAR 6</p>	<p><b>What is a universe?</b></p> <p>Earth and Space PLANBEE YEAR 5</p> <p>SCIENCE WEEK</p>	<p><b>What are the differences in life cycles and habitats of animals and plants in different regions of the world?</b></p> <p>LIFE CYCLES PLANBEE YEAR 5</p>	<p><b>CHANGES AND REPRODUCTION PLANBEE YEAR 5</b> Describe the changes as humans develop to old age.</p> <p><b>All living things fits</b> with activities on residential</p> <p>MICRO ORGANISMS</p>
	Year B	<p><b>What Changes?</b></p> <p>HEALTHY BODIES PLANBEE year 6</p>	<p><b>What Changes?</b></p> <p>Classifying Organisms PLANBEE year 6 Probably covered by environmental trip day The diversity of organisms, including classification</p>	<p><b>What should I measure and How can I measure it?</b></p> <p>FORCES IN ACTION PLANBEE year 5</p>	<p><b>What should I measure and How can I measure it?</b></p> <p>Changing Circuits PLANBEE year 6</p> <p>SCIENCE WEEK</p>	<p><b>What is diversity?</b></p> <p>(As much outdoor learning as possible, including residential)</p> <p>EVOLUTION AND INHERITANCE PLANBEE year 6 Pupils should be taught to:</p>	<p><b>What is diversity?</b></p> <p>The diversity of organisms, including classification (PLANBEE year 6)</p>