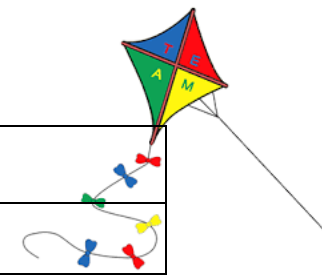
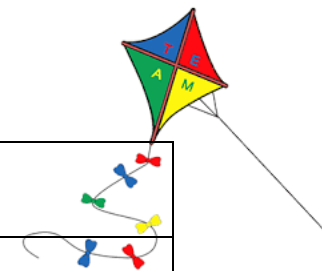


# Twyford St Mary's Curriculum Intent



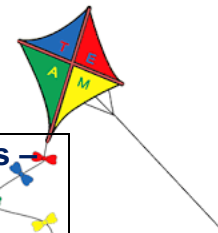
<b>Curriculum Intent for Science Curriculum A and B</b>		
<b>Units of Work Key Stage 1</b>		
<b>Scientific Themes Plants, Animals (incl. Humans), Living Things and Their Habitats, Seasonal Change, Materials</b>		
Term	Year 1	Year 2
Autumn 1	<b>Animals – Humans- Year 1</b> <i>Link Subject Opportunity: English - Writing</i>	<b>Animals – Humans – Year 2</b> <i>Link Subject Opportunity: PSHE healthy eating and how to look after our bodies</i>
Autumn 2	<b>Everyday Materials – Year 1</b> <i>Link Subject Opportunity: DT – best materials to wrap a present and other links to Christmas</i>	<b>Everyday Materials – Year 2</b> <i>Link Subject Opportunity: DT creating a home for a penguins</i>
Spring 1	<b>Seasonal Change – Year 1</b> <i>Extended Study: Weather Watch</i> <i>Link Subject Opportunity: Maths – data handling, potential for longitudinal study for throughout the year</i>	<b>Living Things and their Habitats – Year 2</b> <i>Link Subject Opportunity: Reading comprehension about different animals and food chains</i>
Spring 2	<b>Plants – Trees – Year 1</b> <i>Extended Study:</i> <i>Link Subject Opportunity: English – Kapok Tree</i>	<b>Plants – Year 2</b> <i>Extended Study:</i> <i>Link Subject Opportunity: English - Explanation Text</i>
Summer 1	<b>Plants – Growing – Year 1</b> <i>Extended Study: Growing observations</i>	<b>Plants – Year 2</b> <i>Extended Study: monitoring how plants grow and Nature diary</i>
Summer 2	<b>Animals – Not Humans – Year 1</b> <i>Link Subject Opportunity: Physical Education</i>	<b>Living Things and their Habitats – Year 2</b> <i>Extended Study: Nature diary to study different habitats in the school</i>

# Twyford St Mary's Curriculum Intent



Curriculum Intent for Science Curriculum A and B			
Units of Work Key Stage 2			
Scientific Themes Plants, Animals (incl. Humans), Living Things and Their Habitats, Seasonal Change, Materials			
Term	Sycamore Year3/4	Willow Year4/5	Yew Year5/6
Autumn 1	<b>Living Things and Their Habitats - Yr4</b> <b>Extended Study:</b> <b>Link Subject Opportunity:</b> IT (flow charts); Writing (fact-files/ non-chronological reports)	<b>Materials: States of Matter (ice balloon experiment) – Year 4</b> <b>Extended Study:</b> monitor humidity and temperature outside	<b>Properties and Changes of Materials – Year 5</b> <b>Link Subject Opportunity:</b> link to DT baking
Autumn 2	<b>Forces including magnets- Year 3</b> <b>Link Subject Opportunity:</b> writing instructions for magic trick	<b>Animals including humans - Year 4 objectives</b> <b>Extended Study:</b> egg study <b>Link Subject Opportunity:</b> DT – create healthy snacks	<b>Animals, including humans – Year 5</b> <b>Extended Study:</b> monitor height at home over the year – track changes throughout family
Spring 1	<b>Animals Including Humans – Yr3</b> <b>Extended Study:</b> <b>Link Subject Opportunity:</b> PSHE; DT (Cooking)	<b>Electricity – Year 4</b> <b>Link Subject Opportunity:</b> Explanation text	<b>Living Things and their Habitats – Year 6</b>  <b>Evolution and Inheritance – Year 6</b> <b>Link Subject Opportunity:</b> Research and NCR on famous scientist
Spring 2	<b>Light –Yr3</b> <b>Extended Study:</b> Shadows over the course of a day (extra: different times of year) <b>Link Subject Opportunity:</b> DT: shadow puppets	<b>Sound – Year 4</b> <b>Extended Study:</b> Sound levels over the course of a day [extra: comparing weekdays and weekend] <b>Link Subject Opportunity:</b> Guided Reading (famous scientists); Maths (data logging and graphing)	

# Twyford St Mary's Curriculum Intent



<p><b>Summer 1</b></p>	<p style="text-align: center;"><b>Plants – Yr3</b></p> <p><b>Extended Study:</b> Conditions for healthy growth (change over time)</p> <p><b>Link Subject Opportunity:</b> Writing (non-chronological reports); Maths (data logging, graphing, and analysis)</p>	<p style="text-align: center;"><b>Forces – Year 5</b></p> <p><b>Link Subject Opportunity:</b> build on all other units of Science taught this year to make links</p>	<p style="text-align: center;"><b>Living Things and their Habitats – Year 5</b></p> <p style="text-align: center;"><b>Animals, including Humans – Year 5</b></p> <p style="text-align: center;"><b>Light – Year 6</b></p> <p><b>Extended Study:</b> shadow monitoring</p> <p><b>Link Subject Opportunity:</b> shadow art</p> <p><b>Extended Study:</b> studying their developments from birth to now through photos and questionnaires</p>
<p><b>Summer 2</b></p>	<p style="text-align: center;"><b>Rocks, Minerals, and Fossils – Yr3</b></p> <p><b>Extended Study:</b></p> <p><b>Link Subject Opportunity:</b> DT (magnetic vehicles);</p>	<p style="text-align: center;"><b>Earth and Space – Year 5</b></p> <p><b>Extended Study:</b> making shadow clocks</p> <p><b>Link Subject Opportunity:</b> Guided Reading (planet research)</p> <p style="text-align: center;">Art – planet design</p>	<p style="text-align: center;"><b>Electricity – Year 6</b></p>