

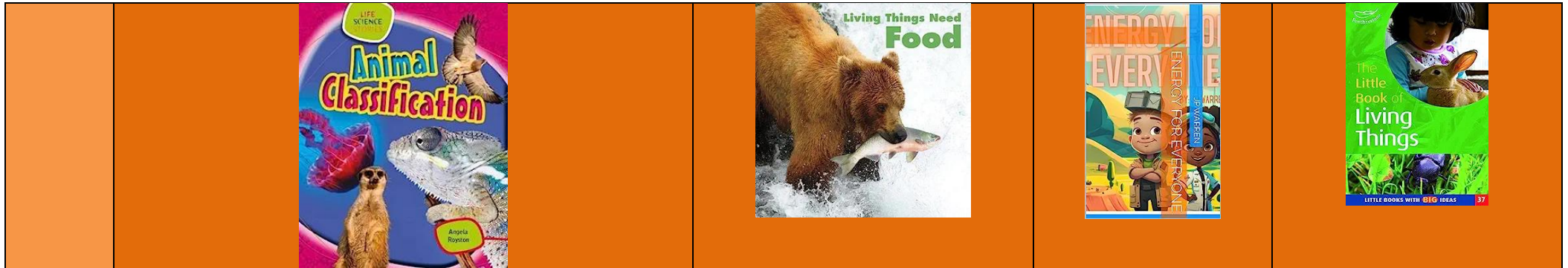
Science Reading Spine

EYFS

<p>Nursery</p>	<p>Seasonal Changes (ongoing)</p> 	<p>Everyday Materials</p> 	<p>Plants & Animals Including Humans</p> 
<p>Reception</p>	<p>Seasonal Changes</p> 	<p>Everyday Materials</p> 	<p>Plants & Animals Including Humans</p> 

KS1

<p>A</p>	<p>Animals including Humans – Classification of Animals</p>	<p>Animals including Humans – Animals Basic Needs</p>	<p>Energy unit (introduction to light, sound, electricity, and forces)</p>	<p>Living things and their habitats – What is a living thing? Explore habitats in local environment</p>
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B	<p>Seasonal Changes – Measuring changes across the four seasons, associated weather, and day length (Ongoing through seasons)</p> 	<p>Materials – Classification of everyday materials and their properties and uses of everyday materials</p> 	<p>Plants – Basic structure of flowering plants and seeds and bulbs</p> 
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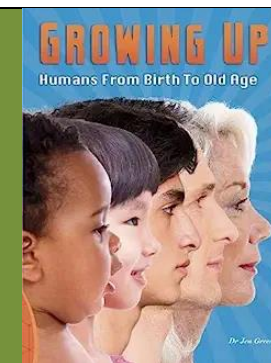
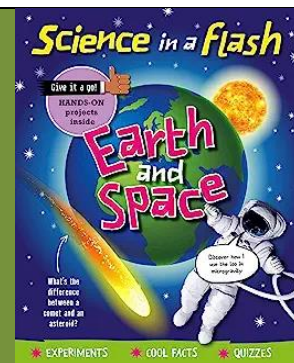
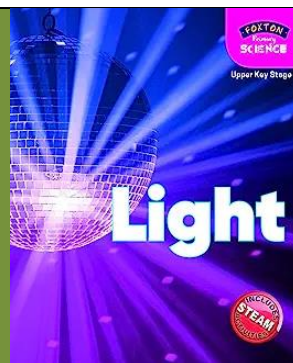
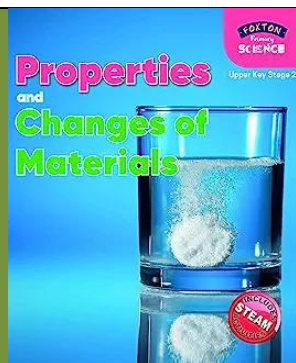
Lower KS2

A	Rocks – classification, fossil formation and soils	Light – reflection of light, danger of light and shadow formation	Sound – how they are made and changes of sound	Animals including Humans – nutrition, skeletons, and muscles	Living things and their habitats – classification, vertebrates and invertebrates and human impact on environments
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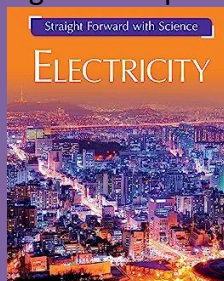
					
B	<p>Plants – function of parts of a flowering plant, requirements for growth, plus pollination, seed formation and dispersal</p> 	<p>Forces – magnets</p> 	<p>States of Matter – solid, liquid and gas, includes Water Cycle</p> 	<p>Electricity - simple series circuits, switches and common conductors and insulators</p> 	<p>Animals including Humans – digestive system and teeth, plus food chains</p> 

Upper KS2

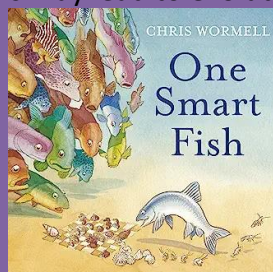
A	<p>Properties & changes of materials –reversible and irreversible changes</p>	<p>Forces – understanding the impact of forces including gravity and friction</p>	<p>Light – how we see and formation of shadows</p>	<p>Earth & space - the orbit of the solar system plus day and night</p>	<p>Animals including Humans - humans develop into old age (revisit sound and how hearing deteriorates)</p>
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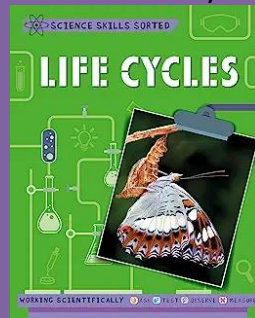
Electricity – using recognised symbols, comparing circuits including the impact of voltage on components



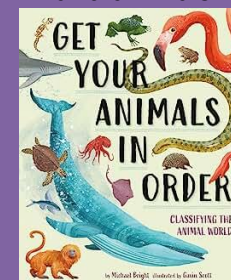
Evolution & inheritance - how living things adapt to their environment and how this may lead to evolution



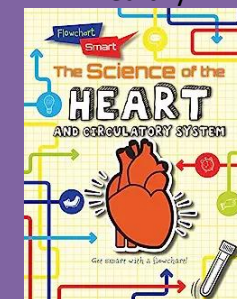
Living things & their habitats – life cycles



Living things & their habitats - classification using observable characteristics including micro-organisms, plants, and animals



Animals including Humans – circulatory system and how to keep the body healthy



B