

## Whole School Overview

Scientists linked to a topic:

**Modern day scientist**   **Historical scientist**   **Diverse scientist**

Reception	Who's in My Community?	What Can I Find in the Dark?	How Do Things Around Me Change?	How Do I Tell 'Once Upon a Time' Stories?	Where Does My Food Come From?	Does Everyone Live like I do?
	<p>Healthy living and medical professionals</p> <p>Animals – looking after our pets</p> <p>Visit – dog trainer</p>	<p>Seasonal change – Autumn</p> <p>Light, dark and shadows (including electricity)</p> <p>Animals – Nocturnal and diurnal animals</p> <p>Visitor - Owls</p>	<p>Seasonal change – winter</p> <p>Growing up baby to adult</p> <p>Cogs and wheels – moving parts in machines</p>	<p>Materials – cooking</p> <p>Floating and sinking</p> <p>Properties of materials (houses – waterproof)</p> <p>Visit - Builder</p>	<p>Seasonal change – Spring</p> <p>Seeds, growing plants</p> <p>Healthy eating</p> <p>Farm animals including animal babies</p> <p>Visit: Farm</p>	<p>Seasonal change – summer</p> <p>Animals – classification of animal groups</p> <p>Habitats – hot and cold places</p> <p>Beale Park</p>
Year 1	Childhood History driver		Bright Lights, Big City Geography driver		School Days History driver	
	<p><b>Everyday materials</b></p> <p><b>Human senses</b></p> <p>Memorable experience:</p> <p>Scientific investigations:</p> <p>Linked texts:</p> <p><b>Scientists:</b> Zoe Ayres (cleans water so it is safe to drink)- modern day</p> <p><b>Chester Greenwood</b> (Inventor of earmuffs)</p>	<p><b>Seasonal changes</b></p> <p>Memorable experience: Visitor-Meteorologist/Reading University</p> <p>Scientific investigations:</p> <p>Linked texts:</p> <p><b>Scientists:</b> David Attenborough</p> <p><b>Jim Cantore</b> (Meteorologist and storm tracker)</p>	<p><b>Plant parts</b></p> <p><b>Animal parts</b></p> <p>Memorable experience:</p> <p>Scientific investigations:</p> <p>Linked texts:</p> <p><b>Scientist: Hamza and Steve Bagshaw</b></p>			
Year 2	Movers and Shakers History driver		Magnificent Monarchs History driver		Coastline Geography driver	
	<p><b>Habitats</b></p> <p><b>Human survival</b></p> <p>Memorable experience:</p>	<p><b>Animal survival</b></p> <p>Memorable experience: Observe caterpillars grow to butterflies in class</p>		<p><b>Uses of materials</b></p> <p><b>Plant survival</b></p> <p>Memorable experience:</p>		

	<p>Mr Driver – reptiles &amp; cockroaches Parent beekeeper</p> <p>Scientific investigations: Linked texts: <b>Scientists:</b> Hamza Yassin (wildlife photographer and cameraman)</p> <p>Elizabeth Garrett Anderson (First English woman to qualify as a doctor)</p>	<p>Scientific investigations: Linked texts: Scientists: Prem Singh Gill (Polar Scientist who studies where Antarctic seals live, breed and feed, so we can know more about where they prefer to live)</p>	<p>Scientific investigations: Sunflower growth experiment</p> <p>Linked texts: Scientist: Ole Kirk Christianen (lego) Dr. Beronda Montgomery (plant scientist)</p>
Year 3	Through the Ages History driver	Rocks, Relics and Rumbles Geography driver	Emperors and Empires History driver
	<p><b>Animal nutrition and the skeletal system</b></p> <p>Memorable experience: Snake skin on display board and cockroach exoskeleton to observe (sourced from Mr Driver).</p> <p>Scientific investigations: Linked texts: Key scientist: Marie Curie (Physicist who invented the first mobile x-ray machine to treat soldiers in WWI)</p>	<p><b>What makes up the Earth? Forces and magnets</b></p> <p>Memorable experience: Scientific investigations: Linked texts: Scientist: Mary Anning Florence Bascom (Geologist who studied the origin and formation of mountains)</p>	<p><b>Light and Shadows Plant nutrition and reproduction</b></p> <p>Memorable experience: Trip to The Look Out discovery centre</p> <p>Scientific investigations: Linked texts: Scientist: David Attenborough &amp; Galileo</p>

Year 4	Invasion History driver	Misty Mountain, Winding River Geography driver	Ancient Civilisations History driver
	<b>Food and the digestive system</b> <b>Sound</b>  Memorable experience: Scientific investigations: Linked texts: <b>Scientist: William Beaumont (gastric juices)</b>	<b>States of matter</b> <b>Grouping and classifying</b>  Memorable experience: Scientific investigations: Linked texts: <b>Scientists: Joseph Priestley (Clergyman who discovered oxygen at about the same time as Carl Wilhelm Scheele)</b> <b>Carl Wilhelm Scheele (Chemist who discovered oxygen at about the same time as Joseph Priestley)</b>	<b>Electrical circuits and conductors</b>  Memorable experience: Scientific investigations: Linked texts: <b>Scientist: Alexander Graham Bell</b>
Year 5	Dynamic Dynasties History driver	Groundbreaking Greeks History driver	Sow Grow farm
	<b>Forces and mechanisms</b> <b>Earth and space</b>  Memorable experience: Winchester Science Museum Scientific investigations: Linked texts: <b>Scientist: Stephen Hawking &amp; Tim Peake</b> <b>Mae Jemison</b>	<b>Properties and changes of materials</b>  Memorable experience: Scientific investigations: Linked texts: <b>Scientist: Jamie Garcia (Chemist who discovered a fully recyclable plastic)</b>	<b>Human reproduction and aging</b> <b>Plant life cycles</b> (covered in Sow Grow farm Engage)  Memorable experience: Visit to a local farm and arrange a talk from the farmer Scientific investigations: Linked texts: <b>Bluest of Blues by Fiona Robinson</b>
Year 6	Maafa History driver	Frozen Kingdoms Geography driver	Britain at War History driver
	<b>Circulatory system</b>  Memorable experience: Scientific investigations: Linked texts: <b>Scientist: William Harvey (doctor who discovered the nature of blood circulation and the function of the heart as a pump)</b>	<b>Electrical circuits and components</b> <b>Polar flora and fauna</b>  Memorable experience: Linked scientist: <b>William Kamkwamba (harnessed the wind) &amp; recap back to Stephen Hawking</b> Scientific investigations: Linked texts:	<b>Light theory</b> <b>Evolution and Inheritance</b>  Memorable experience: Scientific investigations: Linked texts: Moth: An Evolution Story by Isabele Thomas and Daniel Egneus <b>Scientist: Charles Darwin</b>