

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>Everyday materials</p> <p>Human senses</p> <p>Memorable experience:</p> <p>Scientific investigations:</p> <p>Linked texts:</p>		<p>Seasonal changes</p> <p>Memorable experience: Visitor- Meteorologist/Reading University</p> <p>Scientific investigations:</p> <p>Linked texts:</p> <p>Scientists: David Attenborough Jim Cantore</p>		<p>Plant parts</p> <p>Animal parts</p> <p>Memorable experience:</p> <p>Scientific investigations:</p> <p>Linked texts:</p> <p>Scientist: Hamza and Steve Bagshaw</p>	

	<p>Scientists: Zoe Ayres (cleans water so it is safe to drink)- modern day Chester Greenwood (Inventor of earmuffs)</p>	(Meteorologist and storm tracker)	
Year 2	Movers and Shakers History driver	Magnificent Monarchs History driver	Coastline Geography driver
	<p>Habitats Human survival</p> <p>Memorable experience: Mr Driver – reptiles & cockroaches Parent bee keeper</p> <p>Scientific investigations: Linked texts: Scientists: Hamza Yassin (wildlife photographer and cameraman)</p> <p>Elizabeth Garrett Anderson (First English woman to qualify as a doctor)</p>	<p>Animal survival</p> <p>Memorable experience: Observe caterpillars grow to butterflies in class</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>Uses of materials Plant survival</p> <p>Memorable experience:</p> <p>Scientific investigations: Sunflower growth experiment – Some children can take home during half terms to continue to measure growth etc.</p> <p>Linked texts: Scientist: Ole Kirk Christianen (lego) & Charles Mackintosh (the mac)</p>
Year 3	Through the Ages History driver	Rocks, Relics and Rumbles Geography driver	Emperors and Empires History driver
	<p>Animal nutrition and the skeletal system</p> <p>Memorable experience: Snake skin on display board and cockroach exoskeleton to observe (sourced from Mr Driver).</p>	<p>What makes up the Earth? Forces and magnets</p> <p>Memorable experience: Scientific investigations: Linked texts: Scientist: Mary Anning</p>	<p>Light and Shadows Plant nutrition and reproduction</p> <p>Memorable experience: Trip to The Look Out discovery centre</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>Florence Bascom (Geologist who studied the origin and formation of mountains)</p>	<p>Scientific investigations: Linked texts: Scientist: David Attenborough & Galileo</p>
Year 4	<p>Invasion History driver</p>	<p>Misty Mountain, Winding River Geography driver</p>	<p>Ancient Civilisations History driver</p>
	<p>Food and the digestive system Sound</p> <p>Memorable experience: Scientific investigations: Linked texts: Scientist: William Beaumont (gastric juices)</p>	<p>States of matter Grouping and classifying</p> <p>Memorable experience: Scientific investigations: Linked texts: Scientists: Joseph Priestley (Clergyman who discovered oxygen at about the same time as Carl Wilhelm Scheele) Carl Wilhelm Scheele (Chemist who discovered oxygen at about the same time as Joseph Priestley)</p>	<p>Electrical circuits and conductors</p> <p>Memorable experience: Scientific investigations: Linked texts: Scientist: Alexander Graham Bell</p>
Year 5	<p>Dynamic Dynasties History driver</p>	<p>Groundbreaking Greeks History driver</p>	<p>Sow Grow farm</p>
	<p>Forces and mechanisms Earth and space</p> <p>Memorable experience: Winchester Science Museum Scientific investigations: Linked texts: Scientist: Stephen Hawking & Tim Peake</p>	<p>Properties and changes of materials</p> <p>Memorable experience: Scientific investigations: Linked texts: Scientist: Jamie Garcia (Chemist who discovered a fully recyclable plastic) https://beecroftacademy.co.uk/documents/%5B430135%5D2.Story_of_Jamie_Garcia_-_A_world_without_plastic.pdf</p>	<p>Human reproduction and aging Plant life cycles (covered in Sow Grow farm Engage)</p> <p>Memorable experience: Visit to a local farm and arrange a talk from the farmer Scientific investigations: Linked texts: Bluest of Blues by Fiona Robinson (Y3 CLPE text).</p>

	Mae Jemison (1 st African American woman in space)		Refer back to Anna Atkins during plant life cycle unit (key scientist).
Year 6	Maafa History driver	Frozen Kingdoms Geography driver	Britain at War History driver
	<p>Circulatory system</p> <p>Memorable experience: Scientific investigations: Linked texts: Scientist: William Harvey (doctor who discovered the nature of blood circulation and the function of the heart as a pump)</p>	<p>Electrical circuits and components</p> <p>Polar flora and fauna</p> <p>Memorable experience: Linked scientist: William Kamkwamba (harnessed the wind) & recap back to Stephen Hawking Scientific investigations: Linked texts:</p>	<p>Light theory</p> <p>Evolution and Inheritance</p> <p>Memorable experience: Scientific investigations: Linked texts: Moth: An Evolution Story by Isabele Thomas and Daniel Egneus Scientist: Charles Darwin</p>