

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	<p>Childhood</p> <p>History driver</p>		<p>Bright Lights, Big City</p> <p>Geography driver</p>		<p>School Days</p> <p>History driver</p>	
	<p>Everyday materials</p> <p>Human senses</p> <p>Memorable experience:</p> <p>Scientific investigations:</p> <p>Linked texts:</p> <p>Scientists: Zoe Ayres (cleans water so it is safe to drink)- modern day</p> <p>Chester Greenwood (Inventor of earmuffs)</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</p> <p>Jim Cantore (Meteorologist and storm tracker)</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>	

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</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>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>Scientific investigations: Linked texts: Key scientist: Marie Curie (Physicist who invented the first mobile x-ray machine to treat soldiers in WWI)</p>	<p>What makes up the Earth? Forces and magnets</p> <p>Memorable experience:</p> <p>Scientific investigations: Linked texts: Scientist: Mary Anning Florence Bascom (Geologist who studied the origin and formation of mountains)</p>	<p>Light and Shadows Plant nutrition and reproduction</p> <p>Memorable experience: Trip to The Look Out discovery centre</p> <p>Scientific investigations:</p> <p>Linked texts: Scientist: David Attenborough & Galileo</p>

Year 4	Invasion History driver	Misty Mountain, Winding River Geography driver	Ancient Civilisations History driver
	Food and the digestive system Sound Memorable experience: Scientific investigations: Linked texts: Scientist: William Beaumont (gastric juices)	States of matter Grouping and classifying 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)	Electrical circuits and conductors Memorable experience: Scientific investigations: Linked texts: Scientist: Alexander Graham Bell
Year 5	Dynamic Dynasties History driver	Groundbreaking Greeks History driver	Sow Grow farm
	Forces and mechanisms Earth and space Memorable experience: Winchester Science Museum Scientific investigations: Linked texts: Scientist: Stephen Hawking & Tim Peake Mae Jemison	Properties and changes of materials Memorable experience: Scientific investigations: Linked texts: Scientist: Jamie Garcia (Chemist who discovered a fully recyclable plastic)	Human reproduction and aging Plant life cycles (covered in Sow Grow farm Engage) Memorable experience: Visit to a local farm and arrange a talk from the farmer Scientific investigations: Linked texts: Bluest of Blues by Fiona Robinson

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 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 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>