

## Science Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p><u>Working scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Animals including humans</u> C4</p> <p><u>Seasonal changes</u> E1, E2</p> <p><i>Topic: Celebrations</i></p> <p><i>Diversity – How Hindu’s look after and celebrate cows during Holi</i></p>	<p><u>Working scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Plants</u> B1, B2</p> <p><i>Topic: Celebrations</i></p>	<p><u>Working scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Everyday materials</u> D3, D4</p> <p><i>Topic: Paws, Claws and Whiskers</i></p> <p><i>Environment – How can recycling help creature’s habitats?</i></p>	<p><u>Working scientifically</u> A1, A2, A3, A4, A5</p> <p><i>Topic: Paws, Claws and Whiskers</i></p>	<p><u>Working scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Animals including humans</u> C1, C2</p> <p><i>Topic: Space</i></p> <p><i>Healthy Lifestyles – How an astronaut stays healthy in space</i></p>	<p><u>Working scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Animals including humans</u> C3</p> <p><i>Topic: Space</i></p> <p><i>Aspirations – What job could I get now that I know all about space?</i></p>
Year 2	<p><u>Working Scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Materials</u> E1, E2</p> <p><i>Topic: Pirates</i></p> <p><i>Healthy Lifestyles – What materials were available on a pirate ship that could help pirates maintain a healthy life style?</i></p>	<p><u>Working Scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Animals including humans</u> D2,D3</p> <p><i>Topic: Superheroes</i></p> <p><i>Diversity – Study comic books by Leesa Hall – Marvel’s first black female writer</i></p>	<p><u>Working Scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Animals including humans</u> D1, D2,D3</p> <p><u>Plants</u> C2</p> <p><i>Topic: Creepy Crawlies</i></p>	<p><u>Working Scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Living things and their habitats</u> B1, B2, B3, B4</p> <p><i>Topic: Creepy Crawlies</i></p>	<p><u>Working Scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Materials</u> E1, E2</p> <p><i>Topic: Towers, Tunnels and Turrets</i></p> <p><i>Aspirations – Study jobs that are around today that would be useful to have to build a modern – day castle, with a focus on how to join materials. E.g engineers, architects</i></p>	<p><u>Working Scientifically</u> A1, A2, A3, A4, A5</p> <p><u>Plants</u> C1, C2</p> <p><u>Living things and their habitats</u> B3,B4</p> <p><i>Topic: Rio!</i></p> <p><i>Environment – What is global warming doing to the Amazon rainforest?</i></p>
Year 3	<p><u>A - Working Scientifically</u> A1, A6, A7, A8</p>	<p><u>Working Scientifically</u> A2, A4, A5, A7, A8</p>	<p><u>Working Scientifically</u> A1, A4, A5, A7, A8</p>	<p><u>Working Scientifically</u> A2, A4, A5, A7, A8</p>	<p><u>Working Scientifically</u> A3, A4, A5, A7, A8</p>	<p><u>Working Scientifically</u> A3, A5, A7, A8</p>

	<p><u>Light</u> E1, E2, E3</p> <p>Topic: Urban Pioneers</p> <p><i>Aspirations – What jobs use a knowledge of light that are useful?</i></p>	<p><u>Rocks and soils</u> D1, D2, D3</p> <p>Topic: Tribal tales</p>	<p><u>Forces</u> F1, F2, F3, F4, F5</p> <p>Topic: Tremors</p>	<p><u>Plants</u> B.1, B.2, B.3</p> <p>Topic: Food for Thought</p> <p><i>Diversity – Study Rachel Ama, author of Vegan Eats: Tasty Plant-Based Recipes for Every Day</i></p> <p><i>Healthy Lifestyles – Design a plant based meal using your knowledge of plants.</i></p>	<p><u>Animals including humans</u> C1, C2</p> <p>Topic: Predators</p> <p><i>Environment – How is global warming affecting the lives of predators?</i></p>	<p><u>Plants</u> B4</p> <p><u>Light</u> E4, E5</p> <p>Topic: Gods and Mortals</p>
Year 4	<p><u>Working scientifically</u> A1, A5, A6, A7</p> <p><u>Electricity</u> F1, F2, F3, F4, F5</p> <p>Topic: Traders and Raiders</p>	<p><u>Working scientifically</u> A1, A2, A3, A4, A5, A6, A7</p> <p><u>States of matter</u> D1, D2, D3</p> <p>Topic: Potions</p> <p><i>Diversity – Study Kevin Stonewall, biomedical engineer</i></p>	<p><u>Working scientifically</u> A1, A2, A4, A5</p> <p><u>Sound</u> E1, E2, E5</p> <p>Topic: 1066</p>	<p><u>Working scientifically</u> A1, A2, A5, A6, A7</p> <p><u>Sound (Sound circus – investigating pitch and volume)</u> E3, E4</p> <p>Topic: Cracking Contraptions</p> <p><i>Aspirations – If you could invent one thing to change the world for the better, what would it be?</i></p>	<p><u>Working scientifically</u> A1, A2, A4, A5, A6</p> <p><u>Animals including humans</u> C1, C2, C3</p> <p>Topic: Burps, Bottoms and Bile</p> <p><i>Healthy Lifestyle – What is the best way to keep a healthy digestive system?</i></p>	<p><u>Working scientifically</u> A1, A4, A5, A6</p> <p><u>Living things and their habitats</u> B1, B2, B3</p> <p>Topic: Blue Abyss</p> <p><i>Environment – Use David Attenborough’s Blue Planet to discuss solutions for our oceans.</i></p>
Year 5	<p><u>Working Scientifically</u> A1, A2, A3,</p>	<p><u>Working Scientifically</u> A1, A7, A8</p>	<p><u>Working Scientifically</u> A4, A5, A6</p>	<p><u>Working Scientifically</u> A2, A3, A4</p>	<p><u>Working Scientifically</u> A1, A2, A5</p>	<p><u>Working Scientifically</u> A6, A7, A8</p>

	<p><u>Forces</u> F1, F2, F3</p> <p>Topic: Pharaoh</p>	<p><u>Animals, including humans</u> C1</p> <p>Topic: Peasants, Princes and Pestilence</p> <p><i>Aspirations – Using knowledge of what humans and animals need to thrive, think of jobs that may not have been around in the past that would have helped improve the life of peasants.</i></p>	<p><u>Properties and changes of materials</u> D1, D2, D3, D4</p> <p>Topic: Alchemy Island</p>	<p><u>Living things and their habitats</u> B1, B2</p> <p>Topic: Allotment</p> <p><i>Environment – Allotments: good or bad for wildlife’s habitats?</i></p> <p><i>Healthy Lifestyles – Design a meal just from things you might find on an allotment.</i></p>	<p><u>Properties and changes of materials</u> D5, D6</p> <p>Topic: Off With Her Head</p>	<p><u>Earth and Space</u> E1, E2, E3, E4</p> <p>Topic: Star Gazers</p> <p><i>Diversity – Study America’s first black astronaut was U.S. Air Force pilot Robert Lawrence</i></p>
Year 6	<p><u>Working Scientifically</u> A1, A2, A3, A4, A5, A7</p> <p><u>Animals including humans</u> C1, C2, C3</p> <p>Topic: Blood Heart</p> <p><i>Diversity – Study S.I Padmavati, the first female cardiologist in India</i></p>	<p><u>Working Scientifically</u> A1, A4, A5, A7</p> <p><u>Electricity</u> F1, F2, F3</p> <p>Topic: A Child’s War</p> <p><i>Healthy Lifestyle – How might the development of electrical technology and what we use it for resulted in a more healthy lifestyle during the war?</i></p>	<p><u>Working Scientifically</u> A3, A4, A5, A7</p> <p><u>Evolution and inheritance</u> D3</p> <p>Topic: Revolution</p> <p><i>Aspirations – Can evolution or inheritance change your chances of getting your dream job?</i></p>	<p>Topic: Revolution</p>	<p><u>Working Scientifically</u> A1, A2, A3, A4, A5, A6, A7</p> <p><u>Evolution and inheritance</u> D1, D2, D3</p> <p><u>Living things and their habitats</u> B1, B2</p> <p>Topic: Darwin’s Delights</p> <p><i>Environment – With global warming as it is now, how might living things evolve?</i></p>	<p><u>Working Scientifically</u> A5, A6, A7</p> <p><u>Light</u> E1, E2, E3</p> <p>Topic: Hola, Mexico!</p>

