

Grimsargh St Michael's Science overview

EYFS

Autumn	<p><u>All About Me:</u> my body, myself, my family, my talents, my feelings</p> <p><u>Rules and routines</u></p> <p><u>Harvest:</u> Healthy eating, fruit and veg printing</p>	<p><u>Autumn:</u> seasonal changes, features of Autumn, Autumn walk with Y5 buddies</p>	<p><u>Autumn:</u> How to keep warm, making Pumpkin soup, ingredients and method when cooking</p>	<p><u>People Who Help Us:</u> Roles of people in our community, job roles, seasonal events – Diwali, Bonfire night</p> <p><u>Christmas</u></p>
Spring	<p><u>Winter:</u> Freezing and melting, seasonal changes, different environments, weather, making hot chocolate, warm clothing – what do we need to wear in winter to keep warm? Animals hibernating</p>	<p><u>Local Area:</u> Our local area, walk around Grimsargh, Grimsargh on a map, looking at England and other countries, tasting foods from around the world, keeping our world clean (pollution, global warming, Arctic/Antarctic)</p>	<p><u>Plants:</u> What do plants need to survive, parts of a plant, planting seeds, life cycle of fruits (from plant to fruit)</p>	<p><u>Spring:</u> Seasonal changes in spring, plants growing, animals being born</p>
Summer	<p><u>Minibeasts:</u> Minibeasts and their habitats, features of minibeasts, life cycles, frogs, caterpillars, butterflies, showing care for living things</p>	<p><u>Animals and their young:</u> Names of baby animals, life cycles, habitats</p>	<p><u>Summer:</u> Seasonal changes in summer</p> <p><u>Holidays:</u> Holiday destinations, packing a suitcase – what do we need?, countries around the world</p>	<p><u>Traditional tales:</u> Jack and the Beanstalk – growing beans, revising how to plant a seed, what a plant needs Three Little Pigs – experiment with materials to create different “houses”, testing them to see if they are strong enough to withstand being “blown down” (Fan)</p>

Year 1

Term	Lengths dependent on the needs of the class and teacher assessment				
Autumn	<i>Biology</i> The human body	<i>Biology</i> Seasonal change (changes in Autumn)	<i>Chemistry</i> Materials	<i>Biology</i> Seasonal change (changes in Winter)	
Spring	<i>Biology</i> Planting A	<i>Biology</i> Animals	<i>Sustainability</i> Caring for the planet	<i>Biology</i> Seasonal changes (changes in Spring)	<i>Biology</i> Planting B
Summer	<i>Biology</i> Plants	<i>Biology</i> Planting C	<i>Sustainability</i> Cooking and growing	<i>Biology</i> Seasonal changes (changes in Summer)	

Year 2

Term	Lengths dependent on the needs of the class and teacher assessment				
Autumn	<i>Biology</i> Animals' needs for survival	<i>Biology</i> Humans	<i>Chemistry</i> Materials	<i>Sustainability</i> Plastic	
Spring	<i>Biology</i> Plants (light and dark)	<i>Biology</i> Living things and their habitats	<i>Biology</i> Light and dark		
Summer	<i>Biology</i> Plants (bulbs and seeds)	<i>Biology</i> Growing up	<i>Biology</i> Bulbs and seeds	<i>Biology</i> Growing up	<i>Sustainability</i> Wildlife

Year 3

Term	Lengths dependent on the needs of the class and teacher assessment				
Autumn	<i>Biology</i> Skeletons	<i>Biology</i> Movement	<i>Biology</i> Nutrition and diet	Sustainability Food waste	Chemistry Rocks
Spring	<i>Chemistry</i> Fossils	<i>Chemistry</i> Soils	<i>Physics</i> Light		
Summer	<i>Biology</i> Plants A	<i>Physics</i> Forces	<i>Physics</i> Magnets	<i>Biology</i> Plants B	Sustainability Biodiversity

Year 4

Term	Lengths dependent on the needs of the class and teacher assessment				
Autumn	<i>Biology</i> Group and classify living things	<i>Biology</i> Data collection A	<i>Chemistry</i> States of matter		
Spring	<i>Physics</i> Sound	<i>Biology</i> Data collection B	<i>Biology</i> Habitats	<i>Biology</i> Food chains	Sustainability Deforestation
Summer	<i>Biology</i> Data collection C	<i>Physics</i> Electricity	Sustainability Energy	<i>Biology</i> The digestive system	

Year 5

Term	Lengths dependent on the needs of the class and teacher assessment			
Autumn	<i>Physics</i> Forces	<i>Physics</i> Space	<i>Sustainability</i> Global warming	
Spring	<i>Chemistry</i> Properties of materials	Biology Animals including humans	<i>Biology</i> Life cycles	
Summer	<i>Biology</i> Reproduction A	<i>Chemistry</i> Reversible and irreversible changes	<i>Sustainability</i> Plastic pollution	<i>Biology</i> Reproduction B

Year 6

Term	Lengths dependent on the needs of the class and teacher assessment			
Autumn	<i>Biology</i> Living things and their habitats	<i>Physics</i> Electricity	<i>Sustainability</i> Renewable energy	
Spring	<i>Physics</i> Light	<i>Sustainability</i> Light pollution	<i>Biology</i> The circulatory system	<i>Biology</i> Diet, drugs and lifestyle
Summer	<i>Biology</i> Variation	<i>Biology</i> Adaptations	<i>Biology</i> Fossils	<i>Themed projects</i> Year 7 ready

<i>Biology</i>	<i>Chemistry</i>	<i>Physics</i>	<i>Sustainability</i>
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