Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Plants					
<ul> <li>Identify and name a variety of common plants</li> <li>Identify and describe the structure of common plants</li> </ul>	<ul> <li>Observe and describe how seeds and bulbs grow</li> <li>Find out and describe what plants need to stay healthy</li> </ul>	<ul> <li>Identify and describe the functions of parts of different flowering plants</li> <li>Explore the requirements of plants for life and growth</li> <li>Investigate the way in which water is transported</li> <li>Explore the part that flowers play in the life cycle of flowering plants</li> </ul>			
Living things ar	nd their habitats	piants			
	<ul> <li>Explore and compare things that are living, dead and never been alive</li> <li>Identify and describe animal habitats and what they provide</li> <li>Identify a variety of plants and animals in their habitats</li> <li>Describe how animals obtain their food from</li> </ul>		<ul> <li>Recognise that living things can be grouped in different ways</li> <li>Explore and use classification keys</li> <li>Recognise that environments can change and pose dangers to living things</li> </ul>	<ul> <li>Describe the differences in the life cycles of a mammal, amphibian, insect and bird</li> <li>Describe the life process of reproduction in some plants and animals</li> </ul>	<ul> <li>Describe how living things are classified into broad groups; including micro-organisms</li> <li>Give reasons for classifying plants and animals based on specific characteristics</li> </ul>

St Michael's Primary	School Science Curric	ulum Progression: Biol	ogy		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Year 2			Describe the changes as humans develop to old age	Identify and name the main parts of the human circulatory system and describe their functions     Recognise the impact of diet, exercise, drugs and lifestyle on the body
<ul> <li>Describe and compare the structure of common animals</li> <li>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</li> </ul>	Describe the importance for humans of exercise, diet and hygiene	support, protection and movement	Construct and interpret a variety of food chains, identifying producers, predators and prey		Describe the ways in which nutrients and water are transported within animals.

St Michael's Prim	ary School Science	Curriculum Progression	on: Biology		
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Evolution an	d Inheritance				
					Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.  Recognise that living
					things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.
					Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.



<u> </u>	School Science Curricu	ulum Progression: Che	mistry		
	Year 2	Year 3	Year 4	Year 5	Year 6
Year 1  Everyday Materials  Distinguish between an object and the material it is made from.  Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.  Describe the simple physical properties of a variety of everyday materials.  Compare and group together a variety of		1	1		Year 6
<ul><li>materials.</li><li>Compare and group</li></ul>	twisting and stretching.	made from rocks and	Celsius.  • Identify the part played	and gases to decide how mixtures	
				the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.	

ar 1	Year 2	Year 3	Year 4	Year 5	Year 6
Forces and	magnets				
		<ul> <li>Compare how the move on different surfaces.</li> <li>Notice that some need contact betwo objects, but magnetic forces at a distance.</li> <li>Observe how materials and not other and attract or repel of other and attract materials and not others.</li> <li>Compare and gravariety of everyor materials that an attracted to a materials that are and identify some magnetic materials.</li> <li>Describe magnetic materials will attracted to the magnets will attracted to the depending on which will be made the magnets will attracted to the depending on which will be moved.</li> </ul>	e forces eween can act  gnets each t some t  oup a lay e agnet, e als. es as is. two fact or	<ul> <li>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the fallin object.</li> <li>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.</li> <li>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</li> </ul>	g

Year 1 Year 2	Year 3	Year 4	Year 5	Year 6
	•	<u>,                                      </u>	,	
	Recognise that need light in a see things and is the absence.  Notice that light reflected from the sundangerous and there are way protect their.  Recognise that are formed we light from a light from a light shocked by object.  Find patterns way that the shadows charms.	order to d that dark e of light.  ght is n surfaces.  at light can be d that vs to eyes.  at shadows hen the ght source a solid  in the size of		<ul> <li>Recognise that light travels in a straight line.</li> <li>Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.</li> <li>Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to ou eyes.</li> <li>Use the idea that light travels in straight lines to explain why shadow have the same shape at the objects that cast them.</li> </ul>

'ear 1	Year 2	Year 3	Year 4	Year 5	Year 6
1				·	
7					
Electricity					
			Identify common		Associate the brightner
			appliances that r	run on	of a lamp or the volun
			electricity.		of a buzzer with the
					number and voltage o
			Construct a simp		cells used in the circui
			electrical circuit,		a Communication
			identifying and n		Compare and give reasons for variations
			its basic parts, in cells, wires, bulb		how components
			switches and buz		function, including the
			Switches and buz	22013.	brightness of bulbs, th
			Identify whether	ornot	loudness of buzzers a
			a lamp will light i		the on/off position of
			simple series circ		switches.
			based on whether		
			the lamp is part of	of a	Use recognised symbol
			complete loop w	rith a	when representing a
			battery.		simple circuit in a
					diagram.
			Recognise that a		
			opens and closes		
			circuit and assoc		
			with whether or		
			lamp lights in a s	eries	
			circuit.		
			a Donognico como		
			Recognise some common conduction	tors and	
			insulators, and a		
			metals with bein		
			conductors.	0 0000	
			33.13.333.31		

St Michael's Pr Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Sound					
Journa			<ul> <li>Identify how sour made, associating of them with son vibrating.</li> <li>Recognise that vibrations from so travel through a to the ear.</li> <li>Find patterns beto the pitch of a sour features of the oothat produced it.</li> <li>Find patterns beto the volume of a sour features and the strength vibrations that produced it.</li> <li>Recognise that so get fainter as the distance from the source increases.</li> </ul>	g some nething sounds medium tween und and bject tween sound of the roduced ounds e e sound	

ear 1	Year 2	Year 3	Year 4	Year 5	Year 6
Earth and Space					
Observe changes across				Describe the movement	
the four seasons.				of the Earth, and other	
				planets, relative to the	
Observe and describe				Sun in the solar system.	
weather associated with					
the seasons and how day				Describe the movement	
length varies.				of the Moon relative to	
				the Earth.	
				Describe the Sun, Earth	
				and Moon as	
				approximately spherical	
				bodies.	
				Use the idea of the	
				Earth's rotation to	
				explain day and night and	
				the apparent movement	
				of the sun across the sky.	

St Michael's Primary S	School Science Curriculum Progressio	n: Science in the EYFS	
EYFS Area	30-50 months	40-60 months	Early Learning Goal
Understanding the world: the world	<ul> <li>Comment and ask questions about aspects of their familiar world, such as the place where they live or the natural world.</li> <li>Talk about some of the things they have observed, such as plants, animals, natural and found objects.</li> <li>Talk about why things happen and how things work.</li> <li>Develop an understanding of growth, decay and changes over time.</li> <li>Show care and concern for living things and the environment.</li> </ul>	Look closely at similarities, differences, patterns and change.	Know about similarities and differences in relation to places, objects, materials and living things. They talk about the features of their own immediate environment and how environments might vary from one another.
Physical Development: health and self-care	Observe the effects of physical activity on their bodies.	<ul> <li>Eat a healthy range of foodstuffs and understand a need for variety in food.</li> <li>Show some understanding that good practices with regard to exercise, eating, sleeping and hygiene can contribute to good health.</li> </ul>	Know the importance for good health of physical exercise, and a healthy diet, and talk about ways to keep healthy and safe.

St Michael's Primary School Science Curricu	St Michael's Primary School Science Curriculum Progression: Working Scientifically					
Year 1 and Year 2	Year 3 and Year 4	Year 5 and Year 6				
Exploring, talking about, asking questions, choosing how to e	enquire					
<ul> <li>Asking simple questions and recognising they can be answered in different ways</li> </ul>	<ul> <li>Asking relevant questions and using different types of scientific enquiries to answer them</li> </ul>	Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary				
Investigating, observing, gathering and recording data						
<ul> <li>Observing closely using simple equipment</li> <li>Performing simple tests</li> <li>Identifying and classifying</li> <li>Gathering and recording data to help in answering questions</li> </ul>	<ul> <li>Setting up practical enquiries, comparative and fair tests</li> <li>Making systematic and careful observations, and where appropriate, taking accurate measurements using standard units, using a range of equipment including thermometers and data loggers</li> <li>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables</li> </ul>	<ul> <li>Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings where appropriate</li> <li>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs</li> </ul>				
Reporting and drawing conclusions, making predictions, aski	ng new questions					
Using their observations and ideas to suggest answers to questions	<ul> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes</li> <li>Using straightforward scientific evidence to answer questions or to support their findings</li> </ul>	<ul> <li>Using test results to make predictions to set up further comparative and fair tests</li> <li>Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations</li> <li>Identifying scientific evidence that has been used to support or refute ideas or arguments</li> </ul>				