

## Long-Term Plan: Science

Year: 1	Subject: Science					
	Autumn Term (13 weeks 2 days)		Spring Term (9 weeks 4 days)		Summer Term (9 weeks 4 days)	
	Autumn 1 (7 weeks 4 days)	Autumn 2 (5 weeks 3 days)	Spring 1 (4 weeks 4 days)	Spring 2 (5 weeks)	Summer 1 (4 weeks 2 days)	Summer 2 (5 weeks 2 days)
<b>National Curriculum Subject Content:</b>	<b>Animals Including Humans</b>	<b>Animals Including Humans</b>	<b>Everyday Materials</b>	<b>Everyday Materials</b>	<b>Seasonal Changes</b>	<b>Plants</b>
<b>Learning Outcomes</b>  <b>Students will be taught to:</b>	<p>i) Identify, name, draw and label the basic parts of the human body and say which parts of the body are associated with which sense.</p>	<p>i) Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</p> <p>ii) Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).</p>	<p>i) Distinguish between an object and the material from which it is made.</p> <p>ii) Identify and name a variety of everyday materials, including wood, plastic, glass, metal.</p> <p>iii) Describe the simple physical properties of a variety of everyday materials.</p> <p>iv) Compare and group together a variety of everyday materials on the basis of their simple physical properties.</p>	<p>i) Distinguish between an object and the material from which it is made.</p> <p>ii) Identify and name a variety of everyday materials, including wood, plastic, glass and metal.</p> <p>iii) Describe the simple physical properties of a variety of everyday materials.</p> <p>iv) Compare and group together a variety of everyday materials on the basis of their simple physical properties</p>	<p>i) Observe changes across the four seasons.</p> <p>ii) Observe and describe weather associated with the seasons and how day length varies.</p>	<p>i) Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.</p> <p>ii) Identify and describe the basic structure of a variety of common flowering plants, including trees.</p>
<b>Working Scientifically Skills:</b>	<ul style="list-style-type: none"> <li>planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary</li> <li>taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</li> <li>recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</li> <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 and a degree of trust in 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>					

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Scientific Topic Area	'Ourselves'	'Our Pets'	'Let's Build'	'Marvelous Materials'	'Wonderful Weather'	'What's Growing in our Garden?'
<b>Literature Links</b>	<p><u>Core Text:</u> NA</p> <p><u>Guided Reading Text:</u> NA</p> <p><u>Complementary Texts:</u> 1.Big <i>Tom Hopgood</i></p> <p>2.Super Duper You! <i>Sophy Henn</i></p> <p>3.Look Out! How We Use Our Five Senses! <i>Leon Read and Sean Sims</i></p> <p>4.Human Body (Shine-A-Light) <i>Carron Brown &amp; Rachael Saunders</i></p> <p>5.Only One You <i>Linda Kranz</i></p> <p>6.The Growing Story <i>Ruth Krauss and Helen Oxenbury</i></p> <p>7.Can I Build Another Me? <i>Shinsuke Yoshitake</i></p> <p>8.Super Duper You! <i>Sophy Henn</i></p>	<p><u>Core Text:</u> Bog Baby <i>Jeanne Willis</i></p> <p><u>Guided Reading Text:</u> NA</p> <p><u>Complementary Texts:</u> 1. Pets: Furry facts, photos and fun-unleashed! <i>National Geographic Kids</i></p> <p>2.125 True Stories of Amazing Pets <i>National Geographic Kids</i></p> <p>3.Little Kids First Book of Pets <i>National Geographic Kids and Ruth A. Musgrave</i></p> <p>4 Pet's in Heaven <i>Melanie Salas</i></p> <p>5. Animal Groups: Science Vocabulary Readers Set <i>Lonely Planet Kids</i></p> <p>6.Animal: The Definitive Guided <i>DK</i></p>	<p><u>Core Text:</u> The Robot and the Bluebird <i>David Lucas</i></p> <p>Treasure - visual literacy film</p> <p><u>Guided Reading Text:</u> NA</p> <p><u>Complementary Texts:</u></p> <p>1.New From Old: Recycling Plastic <i>Anthony Robinson</i></p> <p>2.Wood (Acorn: Exploring Materials) <i>Abby Colich</i></p> <p>3.Plastic (Acorn: Exploring Materials) <i>Abby Colich</i></p> <p>4.Glass (Acorn: Exploring Materials) <i>Abby Colich</i></p> <p>5.Metal (Acorn: Exploring Materials) <i>Abby Colich</i></p>	<p><u>Core Text:</u> NA</p> <p><u>Guided Reading Text:</u> NA</p> <p><u>Complementary Texts:</u></p> <p>1.Material Detectives Water: Let's Look at a Puddle <i>Angela Royston</i></p> <p>2.Water: Exploring the Science of Everyday Materials <i>Jane Harris</i></p>	<p><u>Core Text:</u> If all the world were <i>Joseph Caehla</i></p> <p><u>Guided Reading Text:</u> Ivy and the lonely raincloud <i>Katie Harnett</i></p> <p><u>Complementary Texts:</u></p> <p>1.Lila and the secret rain <i>David Conway and Jude Daly</i></p> <p>2.Tree: Seasons Come, Seasons Go <i>Patricia Hegarty and Britta Teckentrup</i></p> <p>3.The Rhythm of the Rain <i>Grahame Baker-Smith</i></p> <p>4.A Year in Nature: S Carousel book of the seasons <i>Hazel Maskell and Eleanor Taylor</i></p>	<p><u>Core Text:</u> NA</p> <p><u>Guided Reading Text:</u> Tad <i>Benji Davies &amp; Tadpole's Promise</i> <i>Jeanne Willis</i></p> <p><u>Complementary Texts:</u></p> <p>1.Ten Seeds <i>Ruth Brown</i></p> <p>2.Oliver's Vegetable Garden <i>Vivian French</i></p> <p>3.The Extraordinary Gardener <i>Sam Broughter</i></p> <p>4.Fresh Picked Poetry <i>Michelle Schaub</i></p> <p>5.Roots, Stems, Leaves and Flowers <i>Ruth Owen</i></p> <p>6.The Little Gardener <i>Emily Hughes</i></p>
<b>Assessment</b>	British School of Monaco End of Topic Assessment					
<b>Enrichment</b>	TBD	TBD	TBD	TBD	TBD	TBD