

**The Sultan's School Year 2 Science Medium Term Plan Block 1 2021-2022**

Week	Unit	Key Targets and Learning Objectives	Key Activity	Key Vocabulary
Working Scientifically		<ul style="list-style-type: none"> <li>Using observation techniques to gather information</li> <li>Reporting data collection through diagrams and/or tables</li> <li>Labelling diagrams</li> <li>Making conclusions based on scientific fact and personal observation</li> </ul>		
1	Working Scientifically	<ul style="list-style-type: none"> <li>Introduction to the scientific method and terminology</li> </ul>	<ul style="list-style-type: none"> <li>Introduce 6 scientific method through worksheets and slides</li> <li>Create a checklist to paste in books as a continuous reinforcement</li> </ul>	Observation Hypothesis Experiment Data Reporting
2- 3	Living Things	<ul style="list-style-type: none"> <li>Identify living and non-living things using scientific clues and observation</li> <li>Differentiate and explain the differences between a built and natural environment.</li> <li>Observe physical environment and record observations</li> </ul>	<ul style="list-style-type: none"> <li>Explore our local environment, observe and record findings through labelled diagrams</li> <li>Identify built and natural environments in our local environment</li> <li>Explore the definition of a living or non living thing</li> <li>Sort living and non living things based on scientific clues</li> <li>Outdoor observation and mapping of built/natural environment and data collection on living/non living things</li> </ul>	Natural Built Living Non living Observe Local Environment Energy Grow Reproduce biologist
4	Living Things	<ul style="list-style-type: none"> <li>Identify a number of natural environments</li> <li>Based on observation, identify my local environment</li> <li>Explore various animals and plants are adaptations based on their local environments.</li> </ul>	<ul style="list-style-type: none"> <li>Explore the different natural habitats around the world</li> <li>Identify which animals and plants can be found in each environment</li> <li>Observe how the animals and plants in these environments have adaptations to help them survive</li> <li>Collect data and report findings in a table</li> </ul>	Classify Habitat Adaptation Ecology Tundra Grassland Desert Polar Mountains
5	Living Things	<ul style="list-style-type: none"> <li>Identify main negative human</li> </ul>	<ul style="list-style-type: none"> <li>Explore how human activity</li> </ul>	Pollution

		<p>impacts on the environment</p> <ul style="list-style-type: none"> <li>Explore ways in which we can minimise/ reverse the impact.</li> </ul>	<p>negatively impact the environment</p> <ul style="list-style-type: none"> <li>Discover local environmental issues</li> <li>Create an individualized and community based action plan to help protect the environment</li> </ul>	<p>Erosion Litter Desertification</p>
6	Living Things	<ul style="list-style-type: none"> <li>Exploring concepts of reduce, re use and recycle</li> </ul>	<ul style="list-style-type: none"> <li>Discuss the concepts of RRR and how they help protect the environment</li> <li>Create a class project to reduce, reuse and recycle everyday waste</li> </ul>	<p>Recycle Reuse Reduce waste</p>
7	Living Things	<ul style="list-style-type: none"> <li>Identify and accurately record weather</li> </ul>	<ul style="list-style-type: none"> <li>Explore weather terminology</li> <li>Create and maintain a weather journal</li> <li>Identify weekly and seasonal patterns based on weather journals</li> </ul>	<p>Weather terms</p>
Additional Activities	Living Things	<ul style="list-style-type: none"> <li>Collect and organize previous observations and data into a report</li> </ul>	<ul style="list-style-type: none"> <li>Explore data reporting methods</li> <li>Outdoor classroom data collection and observations</li> <li>Compile all data into an individual project</li> </ul>	<p>Table Data Hypothesis</p>
		<p><b>Going Green Link</b></p> <ul style="list-style-type: none"> <li>Week 3 and 4 focus entirely on environmental protection</li> </ul>	<p><b>Integration of Technology</b></p> <p>Use of tablet to collect data Videos to explore global environments Virtual tours of different environments</p>	