



## TSS Primary Science MTP 2021-2022

### Year 1 Block 5 - Space

Key Targets and Learning Objectives		Key Activities		Key Vocabulary
<ul style="list-style-type: none"> <li>• Understand that a force makes things move.</li> <li>• Understand that forces can make things speed up and change direction.</li> <li>• Understand that forces can make things slow down.</li> <li>• Compare how things move on different surfaces.</li> <li>• Understand that it is important to talk about what might happen when we carry out an investigation.</li> <li>• Show findings from investigations in simple ways.</li> </ul>		<ul style="list-style-type: none"> <li>• Sorting activities that test knowledge of push and pull forces.</li> <li>• Make a paper and straw rocket to launch on the playground. Push force- blowing, Pull force- gravity</li> <li>• Space craft races (cars) on different surfaces to test the difference in the force friction.</li> <li>• Sing songs to learn the order of the planets in our solar system.</li> <li>• On the playground - children as plates, moving around the sun.</li> <li>• Measuring capacity using cylinders- Fill the containers to the right amount to feed the aliens (group work)</li> <li>• Measuring weight- compare heaviest-lightest moon rock. Weigh using non metric units and order from heaviest to lightest.</li> </ul>		<ul style="list-style-type: none"> <li>• Sun</li> <li>• Moon</li> <li>• Earth</li> <li>• Space</li> <li>• Planets</li> <li>• solar system</li> <li>• forces</li> <li>• friction</li> <li>• push</li> <li>• pull</li> <li>• gravity</li> <li>• tidal</li> <li>• wind</li> <li>• sea</li> <li>• water</li> <li>• blowing</li> <li>• surfaces</li> <li>• direction</li> <li>• measuring</li> <li>• weight</li> <li>• capacity</li> <li>• heaviest</li> <li>• lightest</li> </ul>
Working Scientifically:	Going Green Link:	Integration of technology:		
<ul style="list-style-type: none"> <li>• Observe - Make simple descriptions of the world around them.</li> <li>• Question – Ask questions about aspects of their familiar world.</li> <li>• Research - Looking at objects and pictures and discussing what they can see.</li> <li>• Measure - Use of simple comparative vocabulary – bigger, smaller.</li> <li>• Predict - Simple guess - what might happen?</li> <li>• Research - Can gather and record data to help in answering questions.</li> </ul>	<ul style="list-style-type: none"> <li>• Can they use recycled paper to create paper boats to see the push/pull effects of tidal force at home in the bath.</li> </ul>	<ul style="list-style-type: none"> <li>• Research and find out about different planets using the internet.</li> <li>• -Drawing planets and labelling them.</li> <li>• -Recording themselves presenting pieces of information about space.</li> <li>• -Recording forces activities.</li> <li>• -Filming and watching back – objects that push/pull. Watching films back to discuss, reflect and improve.</li> </ul>		