

**Curriculum context:** Half Term Theme: Could it be magic? Big Bang – space and place

Focus upon science, elements of Design Technology can be explored using the design process to plan, construct, review and evaluate a design. The tasks below will allow for a spiral coverage of concepts but can be deepened via you |Wednesday project afternoons where you and your bubble can make an active choice about what you would like to deepen and explore further.

**Curriculum Intent:** For children to have an increasing bigger understanding of their geographical place in the World and understanding of the World beyond their locality.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Book to read aloud / Share	But Martin  Whatever next	But Martin  Curiosity of a Mars Rover	<u>Stardust</u> JC unit Curiosity of a Mars Rover	Fortunately, the milk  <a href="https://youtu.be/L7FcApVPJCs">https://youtu.be/L7FcApVPJCs</a> trailer  <a href="https://youtu.be/L5KWuM48QA0">https://youtu.be/L5KWuM48QA0</a> Audio book	Fortunately, the milk  <a href="https://youtu.be/L7FcApVPJCs">https://youtu.be/L7FcApVPJCs</a> trailer  <a href="https://youtu.be/L5KWuM48QA0">https://youtu.be/L5KWuM48QA0</a> Audio book	Cosmic – JC Unit  <a href="https://youtu.be/cqL7Ux8ELWI">https://youtu.be/cqL7Ux8ELWI</a> trailer	Star Wars the Secrets of the Jedi
PHSE Skills	Importance of bedtime routine Why do we need sleep, food, exercise  What is a human? What is an animal? What is an alien?	You, me & PSHE  Wk 1 Keeping Safe & Managing risks  Wk2 Feeling Safe Indoors and Outdoors	You, me & PSHE  Wk 1 Keeping Safe & Managing risks  Wk2 Feeling Safe Indoors and Outdoors	You, me & PSHE  Wk 1 Keeping Safe & Managing risks Bullying  Wk2 Bullying – Playing Safe	You, me & PSHE  Wk 1 Keeping Safe & Managing risks Bullying  Wk2 Bullying – Playing Safe	You, me & PSHE  Wk 1 Keeping Safe and managing risk  Wk 2 When things go wrong	You, me & PSHE  Wk 1 Keeping Safe and managing risks  Wk2 Keeping safe out & about
Vocabulary	Language of time, before, after and then, night, day morning	Day, night, light, dark, shadow, Autumn, spring, summer winter,	Day, night, light, dark, shadow, Autumn, spring, summer winter, waxing, waning, crescent	Light, dark, reflect, ray, source, sun.	Light, dark, reflect, ray, source, sun., shadow, opaque	Axis, rotation, constellation, orbit, rotate, geocentric, heliocentric	Axis, rotation, constellation, orbit, rotate, geocentric, heliocentric, waxing, waning
DT Theme	Making big box rocket – focus on different ways to attach	Making a Mars Rover Vehicle Pivot wheel – ( split pins / spoke/ axel etc)  Wheeled vehicle = testing the wheels over different surfaces Creating different landscapes to travel over		Create a shadow puppet theatre for a single light source  <a href="https://youtu.be/ppET8N -zos">https://youtu.be/ppET8N -zos</a>	one light source  <a href="https://youtu.be/ppET8N -zos">https://youtu.be/ppET8N -zos</a>	2d representation of Earth, Sun and Moon – with a demonstration of how they	3d representation of the planets in order from the sun.
History Skills	Learning days of the week and upcoming events  Poppy day – concept of remembrance	What season are we in now? What season is Christmas in? Learning and reciting the days of the week and months of the year  Focus on 11am 11/11/20 the eleventh, hour of the eleventh day of the eleventh month ... We will remember – Poppy Day activities		Practising days of the week and months of the year – learning the Spanish equivalent vocab  Focus on 11am 11/11/20 the eleventh, hour of the eleventh day of the eleventh month ... We will remember – Poppy Day activities		Add the moon landing to the class timeline Add Tim Peake to the class timeline Remembrance – add WW1 / 2 to timeline Focus on 11am 11/11/20 the eleventh, hour of the eleventh day of the eleventh month ... We will remember – Class discussion  Practice days of the week and months of the year Eng /Spanish	Add the moon landing to the class timeline Add Isaac Newton to the class timeline  Remembrance – add WW1 / 2 to timeline Focus on 11am 11/11/20 the eleventh, hour of the eleventh day of the eleventh month ... We will remember – class discussion
Now Press Play / Drama / Dance	Space  Re-enacting Whatever next - big boxes needed!	Seasons Neil Armstrong	Seasons Neil Armstrong	Mission to Mars  <a href="https://youtu.be/ppET8N -zos">https://youtu.be/ppET8N -zos</a>	Mission to Mars  <a href="https://youtu.be/ppET8N -zos">https://youtu.be/ppET8N -zos</a>	Mission to Mars	Mission to Mars  How to be a Jedi – instructional video

Science	Day and night what are the difference? Looking at the moon & stars Sun Why do we need to sleep?	The turning of the earth makes day and night  How seasons are a result of the position of the sun / Earth	How seasons are a result of the position of the sun / Earth  Orbit patterns make seasons	Shadow dance Physics Light and dark Exploring light sources and creating shadows	Shadow Dance Physics – Light and Dark Exploring light sources creating sundials	<a href="https://youtu.be/Td_A9H69eE8">https://youtu.be/Td_A9H69eE8</a> What is your cosmic address? The planets – the location and interaction of Sun Earth and Moon  Gravity – Dropping objects from different heights, weighs	<a href="https://youtu.be/Td_A9H69eE8">https://youtu.be/Td_A9H69eE8</a> What is your cosmic address? The planets – location and interaction of Sun, Earth Investigate where does Gravity exist? <a href="https://youtu.be/iM1kDonMbl8">https://youtu.be/iM1kDonMbl8</a> (intro to magnet for next unit) How does Sir Isaac Newton and an apple help us the effect of the moon on Earth?  Parachute experiments
Music	Charanga <a href="https://youtu.be/1AEujqXRJco">https://youtu.be/1AEujqXRJco</a>	Charanga <a href="https://youtu.be/1AEujqXRJco">https://youtu.be/1AEujqXRJco</a> space background music		Charanga <a href="https://youtu.be/1AEujqXRJco">https://youtu.be/1AEujqXRJco</a> space background music		Charanga <a href="https://youtu.be/1AEujqXRJco">https://youtu.be/1AEujqXRJco</a> space background music	
Art	Making daytime pictures and night time pictures	Making Moon and Earth pictures in relief Senses – what would the Moon feel like? What would the Earth feel like	Making moon sequence pictures in relief adding sand to paint to make texture	Look at star constellation images, identifying patterns – look at Van Gogh – A Starry Night  Paint blowing – paint & straws to create own star constellations	Paint blowing – paint & straws to create own star constellations look at Van Gogh – A Starry Night  Can you recreate an image to represent the Great Bear?	Marbling – using Ink to create Jupiter in reds and oranges	Paper mache / 3d model – planets - make a collective piece of art to represent the
RE	<a href="https://youtu.be/PBpCA2nxG8">https://youtu.be/PBpCA2nxG8</a>  Days of the week song and how it links	<a href="https://youtu.be/PBpCA2nxG8">https://youtu.be/PBpCA2nxG8</a> God creation story  <a href="https://youtu.be/LYPqi6NzKdc">https://youtu.be/LYPqi6NzKdc</a> Allah creation story  What is the same and what is different in the 2 stories?		<a href="https://youtu.be/PBpCA2nxG8">https://youtu.be/PBpCA2nxG8</a> God creation story  <a href="https://youtu.be/LYPqi6NzKdc">https://youtu.be/LYPqi6NzKdc</a> Allah creation story  What is the same and what is different in the 2 stories? Do you think there is a different reason for the Earth, Sun, Planets?		The Big Bang Theory – George Lemaitre Evolution Theory – Charles Darwin God created the Earth, moon and stars – The Bible Or something else? Class discussion about each of the ideas, as philosophical ideas we cannot know if any theory is correct. What do you believe? Why? Why can't you use a democratic process to decide what you believe? What does the Children's Rights Act say about it? Can you be a Christian and also believe in science?	
	<b>Whole school additional challenge for families – can you make a balloon rocket</b> & record it for all to see on Dojo! (see Pupil Parliament – Handy Homework Helper Packs being sold) <a href="https://sciencebob.com/make-a-balloon-rocket/">https://sciencebob.com/make-a-balloon-rocket/</a>						

Teacher Knowledge – in case you have forgotten the background look at the link below

Space Compilation : Crash Course Kids [https://youtu.be/Td\\_A9H69eE8](https://youtu.be/Td_A9H69eE8)