

## Connected Curriculum: Year 5

6 Things to do before you leave Year 5	Knowledge I will teach... (National Curriculum)	Vocabulary	Curriculum	Key Question or Challenge	Outcome
<p><b>1. Planets</b></p>	<p><b>Science:</b> Solar System is made up...bound to it by its gravity: the eight planets and dwarf planets, their moons, asteroids, comets, meteoroids, and dust... Key characteristics and key facts about the Moon, Earth, Sun and the 8 planets</p> <p><b>English:</b> Information writing/ Persuasive writing</p> <p><b>Computing:</b> iMovie</p>	<p>moon surface atmosphere temperatures Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune Pluto – dwarf planet</p>	<p><b>QR Treasure Hunt</b></p> <p><b>Science:</b> Earth, the Moon and the planets of the solar system - Who am I?</p> <p>Market Place - children share knowledge by presenting</p> <p><b>English:</b> Write persuasive text to visit their planet, information text to inform reader what they have learnt</p> <p>Speaking &amp; Listening skills - iMovie Team skills</p> <p><b>Texts/ extracts: iBook using:</b> <a href="https://space-facts.com">https://space-facts.com</a></p> <p><a href="http://www.spacekids.co.uk/solarsystem/">http://www.spacekids.co.uk/solarsystem/</a></p>	<p>How do conditions on the Moon and other planets differ from Earth?</p>	<p>A fact file to help me plan a presentation and support information and persuasive writing</p> <p>Information writing</p> <p>Persuasion text – Visit Mars...</p> <p>Work in a team to present iMovie to showcase what has been learnt</p>
<p><b>Space Race, Pioneers and Space Tourism</b></p>	<p><b>Geog.:</b> Identify the position of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, and how to identify time zones (including day and night)</p> <p><b>Geog.:</b> Locate the world's countries, using maps</p> <p><b>Art:</b> Creativity and innovation to design a space picture using different media inspired by an artist</p> <p><b>DT:</b> Teach CAM mechanisms.</p>	<p>Space Race Russia – Soviet Union (USSR), USA. NASA European Space Agency astronaut program latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, and time zones</p>	<p><b>Hist.:</b> Timeline of space exploration</p> <p><b>Geog.:</b> Map work/Google Earth – locate space nations and identify key positions on globe/map of world...Map – key physical features/regions and countries of Europe and capital cities. Use iPads to explore time zones.</p> <p><b>DT:</b> Space Buggy.... <b>Art:</b> Peter Thorpe</p> <p><b>Texts/extracts:</b></p> <p><a href="https://www.nasa.gov">https://www.nasa.gov</a></p> <p><a href="https://www.esa.int">https://www.esa.int</a></p> <p><a href="http://www.peterthorpe.net/rockets.html">http://www.peterthorpe.net/rockets.html</a></p> <p><a href="https://spacenation.org">https://spacenation.org</a></p> <p><b>George's Secret Key to the Universe by Stephen and Lucy Hawkins</b></p>	<p>Who are the space nations and what have they achieved in space exploration?</p>	<p>Timeline of own choice of key events in history – chilli challenge</p> <p>Map work Time zones</p> <p>Innovate Peter Thorpe art</p> <p>Information Booklet Biography of astronaut – Tim Peake</p>

<p><b>2. Challenge Days</b></p>	<p><b>D&amp;T:</b> Design skills to create innovative, functional, appealing products. How to generate, develop, model and communicate ideas through annotated sketches, cross-sectional and exploded diagrams, prototypes</p> <p><b>Computing:</b> Effective research</p> <p><b>English:</b> Instructional /Explanation writing</p>	<p>enterprise design innovation industry environment employability</p>	<p><b>Inspire to Learn Challenge Days</b></p> <p><b>DT:</b> Design and evaluation skills</p> <p><b>English:</b> Instructional/explanation text to explain idea and how product/idea works</p> <p>Speaking &amp; Listening - presenting to an audience Team skills</p>	<p>i.e. What would a space hotel look like?</p>	<p>Produce a solution to a problem i.e. space hotel – Present design</p> <p>A set of instructions to explain the product</p> <p>Sketch work - design and annotated sketches</p> <p>Inspire to Learn blog - contribution</p>
<p><b>3. Ironstone Mining (Local Study)</b></p>	<p><b>Hist.:</b> Reasons miners migrated to local area/how the industry impacted on the area and its economy and population</p> <p><b>D&amp;T:</b> Criteria for an effective bridge/triangulation - how to strengthen, stiffen and reinforce a bridge</p> <p><b>Art:</b> Sketching skills to review and revisit ideas. Norman Cornish work</p> <p><b>Geog.:</b> Read a map of Skinninggrove and create a map using aerial views of the key landmarks in the village</p> <p><b>English:</b> Persuasive/information/diary and descriptive writing</p>	<p>Industry Industrialists Ironstone Mining Migration Census Population growth</p>	<p><b>Visit Skinninggrove Museum</b> <b>Jean Banwell workshop/census study</b> <b>Walk with Craig Hornby</b></p> <p><b>Hist.:</b> Explore historical artefacts <b>Geog.:</b> Map work – Skinninggrove and aerial map <b>DT:</b> Bridge challenge – showcase event for parents <b>Art:</b> Norman Cornish</p> <p><b>English:</b> Persuasion/Diary/Description/Information</p> <p><b>Key Texts/Extracts</b> – Census/extracts from mining records/Museum iBook/diary of a miner</p>	<p>Why did the 'Iron Rush' put Normanby on the word map?</p>	<p>Information leaflet – How did the local area change?</p> <p>Map work</p> <p>Persuasive writing – to entice miners to area in 1800s</p> <p>Diaries; Description</p> <p>Showcase Event (parents) - map work; census local study; artwork and bridges</p>

<p><b>4.Democracy</b></p>	<p><b>PHSCE:</b> Teach what democracy is and how it works in the UK...details about what happens in Parliament and how laws work</p> <p><b>PHSCE:</b> Housing estates and impact on area</p> <p><b>Geog.:</b> Parliament buildings/significance of Parliament being in the capital city/how to locate cities on a map, teach how to locate key areas in and around London, i.e. on 360-degree view</p>	<p>democracy Parliament voting laws House of Commons House of Lords MPs – Member of Parliament</p>	<p><b>Houses of Parliament tour and workshop</b> <b>Visit local Mayor’s office</b></p> <p><b>PHSCE:</b></p> <p><a href="https://www.parliament.uk/education/teaching-resources-lesson-plans/take-a-virtual-tour/">https://www.parliament.uk/education/teaching-resources-lesson-plans/take-a-virtual-tour/</a></p> <p><b>English:</b> Balanced argument/Persuasion <b>Text/ Extract:</b> Parliament, Laws and you: <a href="https://www.parliament.uk/documents/education/online-resources/printed-resources/Parliament-laws-and-you-ks2-illustrated-booklet.pdf">https://www.parliament.uk/documents/education/online-resources/printed-resources/Parliament-laws-and-you-ks2-illustrated-booklet.pdf</a> The Houses of Parliament by Nigel Smith</p>	<p>What is democracy and how are laws changed?</p>	<p>Persuasive poster – why are laws important and why is it important to vote?</p> <p>Balanced argument – local issue – housing effects on Normanby</p> <p>Parliament workshop</p>
<p><b>5. Greek Food</b></p>	<p><b>D&amp;T:</b> Ingredients - a healthy and varied diet - create a salad, pita bread and hummus. Seasonality, and where and how a variety of ingredients are grown, reared, caught and processed</p> <p><b>Geog.:</b> Types of settlement and land use/ the lack trade links, and how they distributed resources - comparing this with today. Climate zones, vegetation and rivers and impact on where farms were/are based. How to locate the world’s countries</p> <p><b>History:</b> Ways the life and achievements of Ancient Greeks have had on the western world</p> <p><b>English:</b> Persuasion/Instructions</p>	<p>Greece cropland harvested barley/wheat olives grape vines pears, figs, apples, and pomegranates cucumbers, lettuce, garlic, and onions feta cheese/yogurt/honey Archimedean Screw – water uphill</p>	<p><b>Visit Dimi’s Greek restaurant</b></p> <p><b>Geog/Hist.:</b> Research farmland in ancient times and today and explore popular ingredients - iBook</p> <p><a href="http://www.primaryhomeworkhelp.co.uk">http://www.primaryhomeworkhelp.co.uk</a></p> <p><a href="http://www.bbc.co.uk/schools/primaryhistory">http://www.bbc.co.uk/schools/primaryhistory</a></p> <p><b>DT:</b> Make Greek inspired salad/bread</p> <p><b>English:</b> Re-create Dragon’s Den – to sell a food product</p>	<p>Where does Greek food come from?</p>	<p>Feta Salad/Hummus/Pita Bread</p> <p>Map work - land use and trade routes</p> <p>Persuade Dragon’s to invest in farm in Greece – persuasive language – poster</p> <p>Persuasive writing.</p> <p>Instructions writing.</p> <p>Information mind map – foods</p>

<p><b>Greek life, achievements and influences</b></p>	<p><b>History:</b> How Greeks influenced the western world:</p> <ul style="list-style-type: none"> <li>• Government</li> <li>• Sport – Olympic Games</li> <li>• Maths and how we use this today</li> <li>• Art work, buildings and culture.</li> </ul> <p><b>Art:</b> How to research Greek pottery, art influences and buildings. How to design and create Greek inspired artwork and pottery. How to design and improve Greek jewellery.</p> <p><b>English:</b> Information/Instructional text/myths and legends</p>	<p>Alexander the Great Pythagoras and Aristotle Athens Olympia democracy Battle of Marathon Nike, Athena, Dionysus, Apollo temples Greek myths</p>	<p><b>Transition Art Exhibit</b> - Greek art and design carousel</p> <p><b>Dorman Museum</b></p> <p><b>Greek Day:</b></p> <p><a href="http://www.bbc.co.uk/guides/z8q8wmn">http://www.bbc.co.uk/guides/z8q8wmn</a></p> <p>'How Greek ideas spread' Hear from great Greeks - Who would you choose as your greatest Greek and why? Jewellery making with clay – Christopher Dresser designer</p> <p><b>Text/extracts:</b> Pandora's Box/The Wooden Horse and other myths and legends Who Let the Gods Out by Maz Evans (class text)</p>	<p>What do we know about ancient Greek culture?</p> <p>How did the ancient Greeks change the world?</p>	<p>Clay jewellery</p> <p>Information Text</p> <p>Narratives – Greek myths and legends</p> <p>Instructions text</p> <p>Greek artwork – Y5 exhibit</p> <p>Journalism</p>
<p><b>6. Disability Awareness</b></p>	<p><b>PHSCE:</b> 'All equal All different', embracing diversity and impact of hate crime</p> <p>Details about the life and achievement of Stephen Hawkins</p>	<p>disability discrimination diversity hate crime promoting positive attitudes equality</p>	<p><b>Disability workshop:</b></p> <p><a href="https://www.bbc.com/education/clips/zpjixs">https://www.bbc.com/education/clips/zpjixs</a></p> <p>PHSCE: 'All equal, all different' resources</p> <p><b>Science:</b> Inspirational scientists – Stephen Hawkins (watch News Round)</p> <p><b>Text/ Extracts:</b> George's Secret Key to the Universe by Stephen and Lucy Hawkins (class text)</p> <p><a href="https://www.bbc.co.uk/newsround/43397587">https://www.bbc.co.uk/newsround/43397587</a></p>	<p>How does having a disability affect everyday life?</p>	<p>Understanding Disability – booklet to complete in school and take home to share with parents</p> <p>Journalism – newspaper report highlighting life and achievements</p>

<p><b>Charity</b></p> <p><b>Friends of Eston Hills</b></p>	<p>Why charity is an important aspect of our society?</p> <p>RRSA links</p> <p>Facts about FOEH</p> <p><a href="http://www.estonhills.info">http://www.estonhills.info</a></p>		<p>Inspirational people: Craig Hornby/key members of charity</p> <p><b>Text/extract:</b> Century in Stone – introduction clip context of work.</p>	<p>How can charity work help our local area to conserve the Eston Hills?</p>	<p>To experience collaboration of a fundraising project</p> <p>Reflect on RRSA work from a local perspective</p> <p>Be able to share with others what their contribution has been and why it is important?</p>
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