

**The Great, The Bold, The Brave**  
**Space Medium Term Topic Plan – Year 5**

<b>Term</b>	Autumn 1 (7 weeks).	<b>Curriculum Strands</b>	Diversity, Travel & Exploration, Geology, Diversity, Responsibility, Travel and Exploration.
<b>Classroom Environment</b>	Space board to celebrate children’s learning from school and home. Year group appropriate vocabulary. Range of topic books including different genres and text types.	<b>Super Starter (Hook) &amp; Education Visit/Visitor</b>	Visit from an expert: Planetarium.
<b>Key Texts</b>	<b>Class read: Cosmic by Frank Cottrell-Boyce (AR level: 5.8).</b> Hidden Figures by Margot Lee Shetterly and Winifred Conkling (AR level: 5.8). Selection of space poetry.	<b>End Product</b> <i>(Assembly/Exhibition/ Showcase)</i>	Gallery exhibition: Peter Thorpe abstract paintings and non-chronological reports.
<b>English</b>	Biography linked to Black History Month through Hidden Figures and women in space – writing to inform - 2 weeks Non-chronological report - designing and describing a planet – writing to inform – 3 weeks. Poetry inspired by Cosmic Disco – writing to entertain – 2 weeks.		
<b>Science</b>	<u>Earth and Space</u> <b>N.C. Obj.</b> Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. <b>N.C. Obj.</b> Describe the movement of the Moon relative to the Earth. <b>N.C. Obj.</b> Describe the Sun, Earth and Moon as approximately spherical bodies. <b>N.C. Obj.</b> Use the idea of the Earth’s rotation to explain day and night, and the apparent movement of the sun across the sky. <u>Working Scientifically</u> <b>N.C. Obj.</b> Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. <b>N.C. Obj.</b> Taking measurements, using a range of scientific equipment, with increasing accuracy and precision. <b>N.C. Obj.</b> Identifying scientific evidence that has been used to support or refute ideas or arguments.		
<b>P.E.</b>	<u>Dance – Space Jam</u> <b>N.C. Obj.</b> Develop flexibility, strength, technique, control and balance. <b>N.C. Obj.</b> Perform dances using a range of movement patterns. <b>N.C. Obj.</b> Compare their performances with previous ones and demonstrate improvement to achieve their personal best.		
<b>History</b>	<u>Space Exploration linking into Black History Month</u> (including space race and significant figures <b>(Hidden Figures, Neil Armstrong, Buzz Aldrin and Mae Jameson and Tim Peake)</b> ). <b>N.C. Obj.</b> Pupils should be taught a study of an aspect or theme in British/Global history - space travel.		
<b>Geography</b>	<u>Earth in Space and Mapping the World</u> <b>N.C. Obj.</b> Identify position/significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Greenwich Meridian and time zones. <b>N.C. Obj.</b> Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied. <b>N.C. Obj.</b> Use the 8 points of a compass, 4 and 6-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world.		
<b>Art</b>	Artist: <b>Peter Thorpe</b> . <b>Medium:</b> paint. <b>Skills:</b> contrasting colours and application using different brushes/techniques. <b>N.C. Obj.</b> Pupils should be taught about great artists, architects and designers in history. <u>Observations of the Moon</u> <b>Medium:</b> pencil. <b>Skills:</b> sketching and shading. <b>N.C. Obj.</b> Pupils should be taught to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials - shading/sketching using pencil/charcoal.		
<b>D&amp;T</b>	<u>Eggnaughts</u> <b>N.C. Obj.</b> Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. <b>N.C. Obj.</b> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures. <b>N.C. Obj.</b> Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.		
<b>Music</b>	<u>The Planets: <b>Gustav Holst</b></u> . <b>N.C. Obj.</b> Listen with attention to detail and recall sounds with increasing aural memory. <b>N.C. Obj.</b> Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.		