

<p><u>Links to Prior Learning</u></p> <p>Lights Camera Action – Light and shadow Moon Zoom (KS1) Burps Bottom and Bile, Flow, Potions, Big blue, Lights Camera Action – Science investigations</p>	<p><u>Substantive Knowledge</u></p> <p>Movement of Earth, planets, sun. Movement of moon and Earth Sun, Earth and moon are spherical. Explain night and day Gravity and air resistance Light travels in straight lines We see because objects emit/reflect light into our eyes Shadows have the same shape as the object that casts them (Science) locate the world’s countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night) (Geography) Trends through time/Chronology (History)</p>	<p><u>Cultural Capital</u></p> <p>Book: Cosmic, Hidden Figures Art: Van Gogh – Starry Night Music: The Planets (Holst) History: Armstrong’s picture of Aldrin on the moon Specific space missions Space exploration and views/understanding of space through time</p>
<p><u>Key Questions</u></p> <p>How do we know the Earth is spherical? How did people land on the moon? What next for space travel? In chronological order, what are the most important events in the history of space travel? Wjat were the key events of the moon landing, and what was the reaction around the world? What is the lasting significane of the Apollo moon landings? How have spacecrafts changed over time?</p>	<p><u>Stargazers!</u></p> <p><u>Yr 5/6</u></p>	<p><u>Key Vocabulary</u></p> <p>Spherical Latitude, longitude Equator, northern and southern hemisphere Tropics of Cancer and Capricorn Arctic and Antarctic circle Greenwich meridian Time zones Light source Supernova Nebula Orbit propulsion</p>
<p><u>Throughout</u></p>	<p><u>Discrete</u></p> <p>French – Y5 unit 10, Y6 unit 15 Computing – understanding networks, E-Safety PSHE – diversity, dreams and goals. What is marriage? RE – Y5 What does it mean if God is Holy and loving? RE – Y6 Why are the Saints encouraging role models?</p>	

<p><u>Maths Links</u> Distances 6-digit numbers</p>	<p><u>English Links</u> Descriptive writing, stories/legends – planets Newspaper articles – space race and Hidden Figures</p>
<p><u>DT tools and techniques</u></p>	<p><u>Art tools and techniques</u> Painting – Mythical gods/planets working from ideas in English design and create their own painting of a mythical god or planet. ‘The planet Gods’ Book for resources.</p>
<p><u>History knowledge to be remembered</u></p> <ul style="list-style-type: none"> • The ‘Space Race’ between USA and USSR led to the Apollo 11 mission, in which Neil Armstrong and Buzz Aldrin landed on the moon on 20th July 1969. <p>Stars change over billions of years, forming in nebulae, igniting and becoming stable, before its ‘death’: occasionally as a black hole or supernova.</p>	<p><u>Evaluation 2019/20</u></p> <p>Cosmic was a great class book for Y5 but took 2 terms to read! Hook day included introducing the scale of the solar system, astronaut training (writing upside down, memorising digits, co-ordination, Russian 1-10) and space art.</p> <p>Important to give sufficient coverage to:</p> <p>Space understanding</p> <ul style="list-style-type: none"> • Orbit of planets around sun, moon around planet • Life cycle of stars inc black holes • Phases of moon • Proving Earth is spherical • Earth’s rotation day/night <p>Moon landings</p> <ul style="list-style-type: none"> • Geo-political situation surrounding space race • Details and technical words describing Apollo 11 mission • Life as an astronaut • Timeline chronology re space travel