

Year 5 Autumn
Topic: Journeys through Egypt and into Space

<p style="text-align: center;"><u>English</u></p>  <p>Secrets of a Sun King – we will focus on writing a letter and including a character's feelings and emotions. Journey to Jo'burg – our focus will be writing from a character's perspective and how to create an atmosphere. One Giant leap and Sea of Tranquility We will focus on non-fiction writing, including newspaper article, leaflet and information texts.</p>	<p style="text-align: center;"><u>Mathematics</u></p> <p>Use of negative numbers and place value to organise a timeline for our Ancient Egyptian topic. Sumerian and Babylonian mathematics Egyptian fractions and scaling pyramids. Creating lines graphs in relation to our science topic. To estimate measurements and convert between units of measurement in relation to distance of planets. To consider the size and scale of planets in the solar system. Reading scales on Newton meters.</p> 	<p style="text-align: center;"><u>Science</u></p> <p style="text-align: center;"><u>What are forces and how do we measure them?</u></p>  <p>Forces – including cross-curricular focus on pulleys and leavers in pyramid building. Investigating the effect of friction on different surfaces. Use of Newton meters and creating a scale. Plan and investigate parachutes and see how air resistance works.</p> <p style="text-align: center;"><u>Why do we have day and night?</u></p>  <p>Space – including cross-curricular focus on non-fiction writing. Investigating the effect of the seasons, day and night and shadows. Look at female scientists.</p>
<p style="text-align: center;"><u>Religious Education</u></p> <p>Our topics this term will focus on the following questions to: Who did Jesus say "I AM"? How can churches help us understand Christian belief? Why is light an important sign at Christmas?</p>	<p style="text-align: center;"><u>PHSE/Life Skills</u></p>  <p>Collaboration Challenge! Give and take How good a friend are you? Relationship cake recipe Being assertive Our emotional needs Communication Independence and responsibility Moral dilemmas linked to Journey to Jo'burg.</p>	<p style="text-align: center;"><u>COMPUTING</u></p> <p style="text-align: center;"><u>How can we use spreadsheets to make calculations?</u></p>  <p>Excel – use formulae to conduct calculations within a spreadsheet. Children research and create a spreadsheet to create a budget for a holiday to Egypt.</p> <p style="text-align: center;"><u>How can we use search engines efficiently?</u></p> <p>Search Engines. To understand what a search engine is and how to use it. Using keywords for searching. Research to link into our topic on space.</p>
<p style="text-align: center;"><u>Geography</u></p> <p style="text-align: center;"><u>Why are rivers crucial to our world?</u></p>  <p>Egyptians – where Egypt is and the physical topographical features.</p>  <p>Rivers – look at the formation of rivers, their physical features. Study how rivers affect human geography, linking to the journey of the River Nile. Land use around the River Nile. Environmental issues (disposal of waste including plastic) and the impact on physical features (rivers and oceans).</p>	<p style="text-align: center;"><u>History</u></p> <p style="text-align: center;"><u>Who were the first people who lived in Egypt?</u></p>  <p>Ancient Egyptians and early civilisations.</p> <p>The first landing on the Moon. Famous astronauts (Neil Armstrong, Buzz Aldrin and Michael Collins).</p>	<p style="text-align: center;"><u>PE/Dance/Gym/Games</u></p> <p style="text-align: center;"><u>How can we use dance movements in a sequence?</u></p>  <p>Egyptian Dance, using Egyptian music to inspire and create a dance routine.</p>
<p style="text-align: center;"><u>Art</u></p> <p style="text-align: center;"><u>How can we use different techniques of printing?</u></p>  <p>Egyptian art. Look at hieroglyphics. Papyrus Printing</p>	<p style="text-align: center;"><u>Music</u></p> <p style="text-align: center;"><u>How can we use instruments to compose Egyptian and space music?</u></p> <p>Egyptian music/composing and Glocks Space Music (listening and appraising) – Holst the Planets</p>	<p style="text-align: center;"><u>Design and Technology</u></p> <p style="text-align: center;"><u>What processes are need when designing a model car?</u></p> <p>We will be using our work on forces in science to help us research, design, evaluate and make a model vehicle. This include our work for the Reed's Car Challenge.</p>
<p style="text-align: center;"><u>Trips and Visitors</u></p> <p>Swimming (Reeds) Space Dome Reeds' DT car challenge Juniper Hall</p>	<p style="text-align: center;"><u>British Values</u></p> <p>Democracy – we will consider democracy when we elect class representatives and in our life skills work on the school community.. Tolerance of others - understanding that it's ok to be different to others. Respect – understanding the differences between cultures will be taught throughout our topics in history and life skills. Tolerance of others - understanding that it's ok to be different to others (linked to characters in story)</p>	<p style="text-align: center;"><u>SMSC</u></p> <p>We will be considering our social and moral responsibilities toward the environment in our work on rivers. We will consider our independence and responsibilities in our work in life skills.</p>