



The Final Frontier: Space & Robotics



<p>What are the names of the planets of the solar system? Can you put them in a variety of orders?</p>	<p>What causes an eclipse? What are the different types of eclipse? When can we expect the next one on Earth?</p>	<p>How many seconds are there in, a) 1 day b) 1 week c) July d) 1 year</p>	<p>What physical changes do astronauts encounter when they visit space?</p>	<p>Do you think we should commit so much money to exploring space when we have so many issues here on Earth?</p>	<p>Paint a picture of The Northern Lights – find a way to show your understanding of this beautiful phenomenon.</p>
<p>Research famous robots from movies and books.</p>	<p>Research Tim Peake – list 10 questions you would like to ask him.</p>	<p>Create scaled drawings comparing the sizes of planets / our solar system within the galaxy.</p>	<p>Considering the vastness of the galaxy, do you think there are other life forms anywhere? Why?</p>	<p>Design an information leaflet highlighting the issue of pollution in space.</p>	<p>Design your perfect robot. What abilities would it have? Can you create your robot from junk materials?</p>
<p>How many facts can you recall about the first moon landing?</p>	<p>Research Valentina Tereshkova. Create a fact file to raise the profile of this magnificent woman.</p>	<p>Imagine an alien lands on Earth – what 10 pieces of advice would you give them to survive?</p>	<p>Research Isaac Newton, create a NC report identifying his key achievements.</p>	<p>Some people argue that the moon landings were faked. Research this claim and draw your own conclusions.</p>	<p>Use Scratch or an alternative coding programme to create a space-themed game.</p>
<p>What are the various phases of our moon?</p>	<p>What is a UFO? Examine potential sightings.</p>	<p>Design and create a 'space' game with rules, instructions and game board.</p>	<p>Which musical artists have used space as the inspiration for their songs/pieces? Create your own 'top 10' radio show.</p>	<p>Research space food and create a menu or a lunch box that you would take on your space mission.</p>	<p>Create a timeline of key space events, including the space race, moon landings and planet landings.</p>

Please choose one task per week to complete. Homework should be completed to the same standard as your work in class. Please take care with the presentation of your work. Homework will be expected to be handed in on Wednesdays. In addition, spellings will be sent home. They will need to be practised but how you choose to do this is up to you. Please ensure you are familiar with the KIRF's for this term. They are available on the class page on the school website ☺