

Christ Church Primary School
Medium Term Plan Term 2 Space is the Place topic

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| End of Unit Outcomes | Chn will have: Explained human interest in earth and space and how it affects our life on earth. Argued positives and negatives for space exploration. Explored the history of space exploration. Explored how other planets are different from our own. Experimented with science fiction writing as a genre. |
| Learning Skills | <p>Pupils should be introduced to a model of the Sun and Earth that enables them to explain day and night. Pupils should learn that the Sun is a star at the centre of our solar system and that it has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune (Pluto was reclassified as a ‘dwarf planet’ in 2006). They should understand that a moon is a celestial body that orbits a planet (Earth has one moon; Jupiter has four large moons and numerous smaller ones).</p> <p>Pupils should find out about the way that ideas about the solar system have developed, understanding how the geocentric model of the solar system gave way to the heliocentric model by considering the work of scientists such as Ptolemy, Alhazen and Copernicus. Pupils might work scientifically by: comparing the time of day at different places on the Earth through internet links and direct communication; creating simple models of the solar system; constructing simple shadow clocks and sundials, calibrated to show midday and the start and end of the school day; finding out why some people think that structures such as Stonehenge might have been used as astronomical clocks.</p> <ul style="list-style-type: none"> • Explanation text • Persuasive text |
| Visits and WOW opportunities | Visit from Jo 'space detectives' |
| NC Statements | use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky, describe the Sun, Earth and Moon as approximately spherical bodies, describe the movement of the Moon relative to the Earth, describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Introduce latitude and longitude linked to time zones and gmt |

| Session | NC Link and Learning Objective | Input and Activities | | | Key Questions AfL/outcomes | Reflection | | | |
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| 1 Setting Description | L.F use imagery to describe a setting | <p>Share video of exploring different worlds (no mans sky or similar) Chn use a strip of paper and landscape-style design an alien world thinking about the geology, weather, plants and animals there</p> <p>Chn write a setting description using Yr5 show not tell imagery devices (simile, metaphor, expanded noun phrases, relative clauses etc) English focus: atmosphere through yr5 level imagery</p> <table border="1" data-bbox="539 555 1659 826"> <tr> <td data-bbox="539 555 981 826"> SEN/LA Teacher GG with those who struggle with imagery so far. SB: sentence starters to complete </td> <td data-bbox="981 555 1323 826"> MA Follow SC on board </td> <td data-bbox="1323 555 1659 826"> HA Follow SC on board </td> </tr> </table> | | | SEN/LA Teacher GG with those who struggle with imagery so far. SB: sentence starters to complete | MA Follow SC on board | HA Follow SC on board | | |
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| 2 Geography (maths) | L.F plot with latitude and longitude | <p>Latitude and longitude Use powerpoint to introduce lat and long Chn use coordinates to plot the path of the ISS across the world adding times to each point. Maths focus: plotting coordinates Discuss how the ISS can be seen as it orbits the Earth.</p> <table border="1" data-bbox="539 1145 1659 1321"> <tr> <td data-bbox="539 1145 1016 1321"> SEN/LA Chn given long in order, only have to work out lat SB:larger print map </td> <td data-bbox="1016 1145 1279 1321"> MA </td> <td data-bbox="1279 1145 1659 1321"> HA Answer questions based on the plot points (where will it be at....) </td> </tr> </table> | | | SEN/LA Chn given long in order, only have to work out lat SB:larger print map | MA | HA Answer questions based on the plot points (where will it be at....) | | |
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| 3 Explanation | L.F use technical language in | <p>Watch overview video of the moon landing and take the class through the tour on google moon. Use bullet point notes under headings and turn into an explanation text of the process of the moon landings.</p> | | | | | | | |

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| | an explanation text | English focus: precise phrases and technical language | | | | |
| | | <p>SEN/LA</p> <p>Use pre written boxed up plan as a writing frame</p> <p>SB: use a story map and write a sentence for each part take off/journey/landing/exploring using simple verbs from verb bank</p> | <p>MA</p> <p>Tech language word bank to support</p> | <p>HA</p> | | |
| 4 Newspaper | L.F structure a newspaper report | <p>Look at a newspaper report about the ISS, what it is used for and what is on board. Chn design their own space station for a future of space experiments. Chn write a newspaper article announcing the new space station and explaining its features.</p> <p>Design focus: designing to meet the needs of scientists</p> <p>English focus: Structuring journalistic writing: headline, orientation, explanation, image with caption, quote, reorientation.</p> | | | MA | HA |
| | | <p>SEN/LA</p> <p>Use a writing frame for the space station article</p> <p>SB: design and label a space station</p> | <p>MA</p> | <p>HA</p> | | |
| 5 Narrative | L.F create suspense in narrative | <p>Look at lyrics to space oddity. Can children work out what kind of text this might be? What perspective is it written from? What is the story line? Discuss some of the trickier lines eg shirts you wear. What does this tell you about the character? Thought shower reasons for the break in communication between Tom and GC. Chn write a suspense conclusion to the story.</p> | | | | |

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| | | English focus: controlling pace and time through description to create suspense (varying sentence lengths and precise phrase choices) | | |
| | | SEN/LA Chn follow plan with notes on a scenario about alien on board SB: sentence starters for SB to complete | MA | HA |
| 6 Persuasive | L.F write a persuasive text | Share sci fi propaganda posters for moving to Mars. Imagine a space company is looking to recruit families to start a new life in a Mars colony. Chn write an engaging persuasive text urging families to volunteer. (use bullet point plan to write from) English focus: persuasive paragraph structure and power of three | | |
| | | SEN/LA Chn use box up notes as a structure for their work SB: design a rocket to explore a new world. | MA | HA |