



Design and Technology

- I can explore examples of past and present sundials before designing, making and evaluating a sundial
- I can examine the components of a spaceship; using this understanding to make a model of a spaceship
- I can design, make and evaluate a Caribbean fruit smoothy



Science

- I can describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- I can describe the movement of the Moon relative to the Earth
- I can describe the Sun, Earth and Moon as approximately spherical bodies
- I can use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky

History

- I can discover how, where and when the telescope was invented
- I can describe how telescopes work
- I can find out about the Space Race between the USSR and USA space exploration between 1940 and 1970
- I can examine methods of space exploration and how they have changed over time
- I can research about 'Capability Brown'; using Satellite imagery and the European Space Station to see how much we can see from 'space'

Computing

- I can use computers and the internet to research and write the biography of a famous astronaut
- I can use sequence, selection and repetition in programs when using CoeBugs
- I can solve problems by decomposing them into smaller parts



Music

- I can compose a piece of music to represent the journey of a spaceship using tuned and un-tuned instruments
- I can listen and respond to Holst's *The Planets*

PSHE—Health and Wellbeing

- I know what is meant by a healthy lifestyle
- I understand how to maintain physical, mental and emotional health and wellbeing
- I understand how to manage risks to physical and emotional health and wellbeing
- I know ways of keeping physically and emotionally safe
- I understand about managing change, including puberty, transition and loss
- I can make informed choices about health and wellbeing and to recognise sources of help with this
- I know how to respond in an emergency

RE

- I can compare creation stories
- I can explain why they are different explanations of how the universe began
- I can explain the place of Incarnation and Messiah within the 'big story' of the Bible
- I can identify Gospel and prophecy texts, using technical terms
- I can explain connections between biblical texts, Incarnation and Messiah, using theological terms



PE

- I can recognise and avoid dangerous situations as a result of water safety education and information
- I can perform safe self-rescue in different water-based situations
- I can perform dances using a range of movement patterns
- I can take part in outdoor and adventurous activity challenges both individually and within a team
- I can compare their performances with previous ones and demonstrate improvement to achieve their personal best

Art

- I can explore the world of origami and use this understanding to make an origami star
- I can create a fictional planet using mixed media
- I can research and explore Chesley Bonestell



French

- I can listen attentively to spoken language and show understanding by joining in and responding
- I can explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words
- I can engage in conversations through asking and answering questions
- I can speak in sentences, using familiar vocabulary, phrases and basic language structures



Geography

- I can identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere
- I can observe the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle
- I can investigate the Prime/Greenwich Meridian and time zones (including day and night)

