

Useful Websites

<http://www.planetsforkids.org>

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Year 5 and 6 Autumn Term Out of this World: Overview Subject Focus – Science Focus Core Skill – Learning with others

Using our locality

Science: The children will be researching space exploration with a focus on the planets of the solar system and their relationship with the sun. Key learning areas include:

- **Position of the Sun**
- **Day and night**
- **Earth's orbit**
- **Moon's orbit**
- **Moon shapes**
- **Relative sizes of planets**
- **Gravity**
- **Names of planets**
- **Investigating insulation**

COMPUTING: The children will be using a variety of programmes in order to do:

- Data logging
- Research
- Simulation (movement of planets)
- Control – create designs on logo
- Word processing skills
- Create and analyse databases
- PowerPoint presentations

MATHS: In Maths, the children will be continuing to build upon their knowledge of place value; reading, writing and ordering numbers and using this knowledge to improve mental calculation strategies. They will also work towards securing efficient written methods for solving the four operations. They will apply their knowledge to problem solving in a range of different contexts including fractions, decimals and measures. They will also work towards ensuring rapid recall of all their times tables

Link to Core Values

- Courage – of astronauts
- Responsibility – of living and learning together
- Hope – Vision of space travel planners
- Compassion – Space shuttle disaster
- Integrity – Balancing long-term gains with short-term risk
- Wisdom – of scientists and technicians who made

Key Learning Outcome:
A report to NASA outlining their plan for space exploration.

RELIGIOUS EDUCATION:

Our main focus in RE this half term will be 'Faith and the Arts'. The children will be exploring how music, art and drama can be used to reflect aspects of faith. The children will be challenged to consider what faith is and what it means to them. Focus on Christianity and Buddhism.

PSHE: Through our space-themed topic, the children will consider what it would be like working as a team on board a space craft and will plan for:

- Living together in a spaceship
- Keeping safe and healthy
- Eating and drinking
- Roles and responsibilities

PE: This term, the children will be improving their tactical awareness and knowledge of attack and defence strategies in Invasion games. They will also be creating a dance in response to Holst's 'The Planets' suite, including Moon walking and alien movements.

DESIGN TECHNOLOGY: Children will be designing and testing air-powered rockets as well as designing alien homes using a range of materials.

ART: The children will study surreal art to create futuristic landscapes. They will also create alien creatures from clay and design logos for their space mission.

MUSIC: The children will listen to music inspired by Science fiction including war of the worlds and composing music with a space theme.

Literacy Links: Year 6 will study science fiction and use The Iron Man by Ted Hughes as a core text. The Year 5's will study Myths and legends. Other links will be made through:

- Instructions
- Play script
- Description of an alien
- Journalism