Destination: Outer Space!

Exploring stars, planets, moons and space travel

Communication & Language

➢ Listening and Attention

- Able to listen to and follow instructions on how to build their rocket and/or space station.

➢ Understanding

- Able to explain the steps of their plans in play and construction.
- Follows stories without pictures or props – stories of the Moon Landing and Planet Exploration.

➢ Speaking

- Introduces new language of the topic into their play and creative activities.
- Explains their understanding of new concepts and articulates disagreement with others' ideas.
- Develop sequencing language in preparation for rocket launching (first, next, before, after, last…).
- Presenting rockets and how to use them to other classes. Demonstrating and explaining how they work.

Understanding the World

➢ People and Communities

- Seeing family after long trips/time apart – astronauts returning to Earth.
- What jobs need doing on a Space Mission? Understanding professions and what it takes to do each job.

➢ The World

- Understands that some things happened a long time ago.
- Observing plants growing and exploring why plants can't grow on the moon.

➢ Technology

- Web-based simulations/interactive resources linked to Space and the Moon Missions.
- Uses a simple program to draw planets by selecting appropriate shapes and colours.
- Exploring the technology needed on a space rocket – control buttons and walkie-talkies

Physical Development

➢ Moving and Handling

- Experimenting with different types of movement – walking on the moon, orbiting the sun, alien chase-games.
- Learns to use javelin 'rockets' and develop other kinds of throw.
- Develops pencil grip and letter formation in daily writing.

➢ Health and Self-care

- Understands the need for variety in food – exploring an astronaut's diet.
- Works safely and tidily when constructing rockets and junk modelling.

Literacy

➢ Reading

- Books about Space – fiction stories and Non-Fiction texts.
- Guided reading texts about space and/or Earth.

➢ Writing

- Describing an alien creature.
- Applying Key Words to give facts about the planets.
- Labelling designs, pictures and the class space-station.

Personal, Social and Emotional Development

➢ Making Relationships

Through role-play:

- Initiating conversations with an alien creature.
- Asks appropriate questions to help an alien find its real home.

➢ Self-confidence and Self-awareness

- Can speak about their own abilities when applying to be part of Provo Primary's first Space Mission!
- Explains new learning to others and recognises what they want to know by forming questions.

➢ Managing Feelings and Behaviour

- Negotiates effectively without conflict when taking roles in play and construction areas.
- Discussing feelings of astronauts on the Moon Mission – understanding mixed feelings (fear & excitement) and feeling left out if they didn't get to walk on the moon.

Mathematics

➢ Numbers

- Understanding ordinal numbers to 20. Counting backwards (to BLAST OFF!) and completing incomplete sequences.
- Exploring addition and subtraction by finding more/less in numbers to 10. Counting rockets that have launched, astronauts that have left/arrived, etc.

➢ Shape, Space & Measure

- Explores simple concepts of time and can tell which is longer – days, hours, minutes, seconds.
- Uses common 2d and 3d shapes to create pictures and models relating to space/rockets.

Expressive Arts and Design

➢ Exploring and using Media and Materials

- Uses a variety of tools to shape, assemble and join materials when making their rockets.
- Explores mixing colours when designing and painting planets.
- Refers to planning when carrying out a construction project.

➢ Being imaginative

- Plays alongside peers in role play – interacting in the same theme of play.
- Selects particular colours for a specific purpose.