

Understanding the world:

Nursery:

- To learn the names of planets
- To order planets in the solar system
- Piece together photographs/ images of the solar system/ rockets etc.
- Share experiences i.e. visits and trips
- Provide routes for journeys through space

Reception:

- How astronauts survive in space
- To identify that our planet is the only planet with living organisms and why?
- Create astronauts space food
- Identify and discuss the properties of gravity
- To learn about shadows and light.
- select materials to use as a space suit
- Explore videos / images of being in space without gravity (weightlessness)
- Explore which planets are most like ours? Which have similarities?
- Develop maps/ routes of journeys through space.
- Identify the different landscapes of various planets

Communication and language:

Nursery:

- Suggested Texts:-
- *Big Book 'Planets'
- *Big Book 'The sun'
- *Whatever next
- Suggested Songs:-
- *5 little men in a flying saucer.
- *Someone has a spaceship that will take us to the moon.
- *Zoom Zoom i'm going to the moon.
- *Planets (twinkle twinkle).
- Explaining how instruments in role play rockets work i.e. switches that turn on the lights etc
- Predicting order of events when travelling to the moon.
- Retell stories using puppets and objects i.e. 'whatever next' using a colander (helmet) / box (rocket) etc
- Photograph activities and explain pictures created

Reception:

- Recording alien voices/ sounds
- Singing alien rhymes
- Sounds in space
- Communicating through walky talkies/ headsets and microphones etc.
- Use artefacts as memory joggers when retelling familiar stories.

Literacy:

Nursery:

- Creative naming aliens.
- Fact and fiction space books to explore
- Scribe children's ideas for space stories/ planets to visit etc
- Select and link labels for foods and signs
- Read recipes to make alien food
- Leave messages to visiting aliens through pictures/ key words.

Reception:

- Alien writing (phonics alien words).
- Persuasive letter to an alien (not to invade/ to come and visit)
- Creating thin/ staircase poems about the sun/ moon/ aliens
- Create labels for food/ signs for the rocket etc.
- Create instructions for food recipes etc
- Adapt stories using innovative and imaginative ideas.

Space and Planets Role Play: Planet/ rocket/ space station.

Mathematics:

Nursery:

- Countdown to alien landing/ take-off (forwards and backwards)
- Recognition and formation of numbers to 10.
- Count the rations for astronauts
- Number labels for the beds in a rocket
- Share rations between peers
- Construct rockets etc negotiating the sizes of boxes and equipment to use.

Reception:

- Planet related addition and subtraction (calculation rockets)
- Creating rockets using 3dimensional shapes
- Recognition of numbers to 20 on rockets/ planets
- Rocket number freeze
- Calculate the number of meals required for astronauts.
- Create tallies for the number of aliens in a space ship etc
- Develop patterns of numbers (rockets/ space ships etc.
- Create 3d planets
- Position planets in order of the solar system
- Have limits to the amount of weight to take into space etc

Expressive Arts and Design:

Nursery:

- Create paper mashie models of planets
- To order the planets into our own solar system (model)
- Identifying space music and moving to the music like astronauts (gravity free)

Reception:

- Create rockets using junk model materials
- Space paintings (planets/ sun/ stars/ moon etc)
- Using instruments to accompany space music (tempo/ mood/ rhythm)
- Create collage of rockets displaying numbers to 20
- To create shoe box models of the universe
- create a playlist of favourite music to take into space

Physical Development:

Nursery:

- Walking/ moving like astronauts
- Rocket imitation/ movements
- Parachute (rockets/ landing back on earth)
- recreate 'whatever next' rocket (box), wellington boots (space boots) etc
- develop planets / solar system using balls/ hoops
- cook the bland food eaten by astronauts (tasting)
- suggest healthy foods to eat

Reception:

- Create space dances (to space music)
- Big apparatus (various planets)
- Moving between planets (circuits)
- Use senses to explore a range of materials.
- trampoline to imitate being in space

Personal, Social and Emotional Development:

Nursery:

- Learning to share with others -welcoming aliens/ sharing our planet
- Parachute/ circle games to develop cooperative working
- Explore feelings (leaving family for a long time in space)
- How can you remember special people? i.e. Taking photographs etc.

Reception:

- Acting out of space stories
- Leaving on a journey (feelings- anxiety/ nerves etc)
- Space shuttle (working with a group of children unfamiliar and getting on).
- Taking care of a space shuttle (clearing up after yourself/ showing respect for others/routines).
- How would you feel after such a long journey to the moon? Tired/ elated etc.