

Spring 1&2 2020
Year 5

The key knowledge to support this topic

- There are 8 planets in our solar system.
- Pluto is a dwarf planets
- The earth rotates on its axis and takes 24 hours
- The earth orbits the sun and this takes a year
- Planets are spherical
- The moon orbits the earth and it takes 28 days
- There are 8 phases of the moon
- Tim Peake is a former Army Major, is the first Briton to serve as an astronaut on the ISS (International Space Station)

The key vocabulary to support this topic

Earth, rotate/rotation, star, sun, day, moon, Planets (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune), Revolve, Solar System, Shadow, Orbit, Sphere/ Spherical, Sky, Night, Axis, Phases of the Moon, star, constellation, ISS

The key skill I will use during topic

- Investigating
- researching
- predicting
- calculating
- painting
- sketching

Space

In this topic the children will be learning all about space. They will be investigating life in space, the planets and famous people who have been to space.

Trips / Special events
Space gallery of pupils work

Thorpepark 50



Visit a museum



Experience life beyond school (work place)



Art & Design

Who is Peter Thorpe?



What does he paint?



Explain what materials you could use to recreate a Peter Thorpe piece of art.



What other landscapes could you create using Thorpe's style?



Charcoal, pastels, smudging, shadow, shade, tints,

Science



What are the names of the planets in the solar system?



Describe the movement of the moon



What is life like on the moon?
Would your life be the same?



Definitions- Earth, Rotate/
Rotation, Star, Sun, Day, Moon,

Jigsaw



Goals for the future

SWAP-
School wellbeing
activity programme

Cross curricular computing



- Augmented reality flashcards. These allow the children to explore the solar system in a new and unique way.
- Children will be using Microsoft Excel to display data collected about the planets in the solar system.
- Exploring images of Robert McCall and editing digital images

We will be writing

Biographies about famous astronauts

Discussions about whether Mr Wonka should employ Oompa Loompas

Newspaper reports about the moon landing

Fantasy story about travelling to space



Maths

Fractions

Percentages

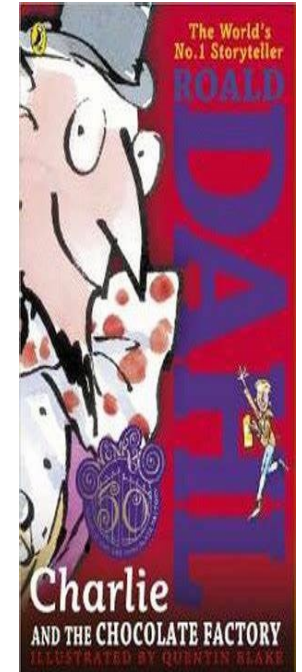
Decimals

Comparing/ ordering
and writing

decimals



We will be reading



History



Who was the first person on the moon? When did it happen?



Who is Tim Peake and what is he famous for?



What type of person is Tim Peake?
How would you describe him?



Definitions- ISS, exploration,
gravity

RE



What is charitable work?



Why do religions do charitable work?



Why do people choose to make sacrifices to improve the lives of others? How are people inspired by the actions of significant people of faith?



Define- faith, charity, actions, sacrifice



What is the National anthem of England and America?



What instruments are used in the anthems?



What instruments could we use to recreate the anthems?



Definitions- Glockenspiels, tempo, crochet, quaver, minim, anthem

Music

Design Tech

Researching space logos

Generating design criteria

Designing a new NASA logo

Cross stitch