

# In a galaxy far, far away...

Did you know that Mercury, Venus, Earth and Mars are **rocky planets** (mostly made up of metal and rock) while Jupiter, Saturn, Uranus and Neptune are mostly made up of **gases** (helium and hydrogen)?



I know that the Sun, planets and moons are approximately spherical bodies.

I know that the Earth **rotates** (spins) on its axis. It does a full rotation once in every 24 hours.

I know that the theories about space have changed over time as more information is discovered.

I know that the Moon **orbits** Earth in an oval shaped path while spinning on its axis. It takes 28 days to **orbit** the Earth.

I know that Earth **orbits** (revolves) around the Sun. It takes a little more than 365 days for a full orbit.

I know that **Daytime** occurs when the side of the Earth is facing **towards** the Sun. **Night** occurs when the side of the Earth is facing **away** from the Sun.



Mercury



Mars



Moon



Earth



Saturn



Jupiter



moon



Venus



Uranus



Neptune



Pluto (dwarf planet)



Nicolaus Copernicus

celestial bodies

planets

spherical

rotate

heliocentric

Sun (a star)

orbit

## Key Vocabulary

**Sun** = a huge star that the planets in our solar system orbit around

**Planet** = a large object, round or nearly round, that orbits a star

**Moon** = a natural satellite that orbits a planet

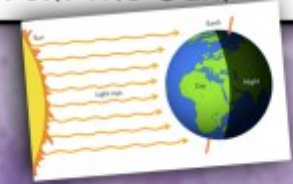
**Sphere** = a round 3D shape in the shape of a ball

**Orbit** = to move in a regular, repeated curved path around another object

**Axis** = an imaginary line that a body rotates around

**Heliocentric model** = the structure of the Solar System where the planets orbit around the Sun.

**Geocentric model** = a belief people used to have that other planets and the Sun orbited around the Earth



# IN A GALAXY FAR, FAR AWAY – YEAR 5

## English

The first writing unit this half term will be inspired by the fictional celestial habitat, Pandora. We will be creating an information text on our own fictitious planet. As part of this non-narrative unit we will develop cohesion within our writing so that ideas flow, keeping the reader engaged and how to use interesting nuggets of information to conclude texts and sustain the reader's interest.

Having completed the informative fact files, we will then move onto creating science fiction stories set in these newly discovered planets. We will be developing the use of direct speech to move the action on within the story and the skills of including the character's feelings and reactions to events.

## History

As historians, we will be exploring the history of space travel, revisiting significant events such as the moon landing and debating whether animals should have been sent to space.

## PE

In PE this half term, we will be developing our gymnastic and dance skills. We will need to collaborate well to not only produce group pieces but also provide support and encouragement to others.

## Computing

Using Adobe Spark we will create informative presentations about the space. To be successful, we will develop our knowledge of how to use search engines, checking the reliability of appropriate information, explore how to incorporate text, photos as well as sound and use video editing tools to refine our work and reflect on the importance of considering audience and purpose when presenting information.

## Art

As artists we will be working with watercolours and developing skills to paint neatly and carefully, without leaving gaps or messy edges. We will learn how to control the amount of paint and water we need to preserve finer details and develop the ability to control colour when painting; for blending, reducing hue and improving the translucency of colour.

## Music

In music, we will focus on ensemble performance within the realm of classical music. We will expand our ensemble skills, understanding the intricacies of performing as a group. We will also begin to learn about chords and triads.

## Maths

This half term we will be focusing on fractions. We will build on our knowledge of equivalent fractions by finding common factors which will help us to simplify fractions and express fractions with the same denominator. We will then use these skills when comparing and ordering fractions. We will also learn how to convert mixed numbers and improper fractions from one form to another, which is needed to support the process of adding and subtracting fractions with different denominators and mixed numbers. We will also be multiplying fractions and learning how to divide proper fractions by whole numbers.

## RE

We will be learning about Judaism and what it means to be part of a synagogue community. The unit of work begins by making a comparison between a Christian church and a Jewish synagogue and then we will find out more about what is inside a synagogue, learning more about the Torah and celebrating Yom Kippur.

## PSHE

Our focus this half term is on **personal safety** linked to **online safety**. We will explore the consequences of overusing technology, such as the impact on healthy sleep, find out more about how free apps or services may read/share private information e.g. friends, contacts or GEO location. Our discussions will also incorporate how to report online bullying (including how to screen grab content), reinforce that everyone online isn't always who they say they are and the importance of gaining consent when posting about others.

## Wray Common Citizens

This half term, our assemblies will explore our school value of justice, helping pupils understand what it means to act fairly and treat others with respect. We will be linking this value to the British Values, guiding children to recognise the importance of treating everyone with equality and kindness. Together, we will reflect on how our values at Wray Common help create a fair and supportive community, and how we can show respect for others while standing up against unfairness.

## CAPTURE

We will be using CAPTURE in our learning by collaborating. We will be discussing, thinking and contributing to group discussions, responding in class and building on ideas.



## Curriculum Coverage