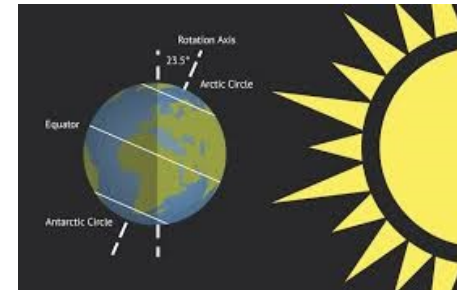
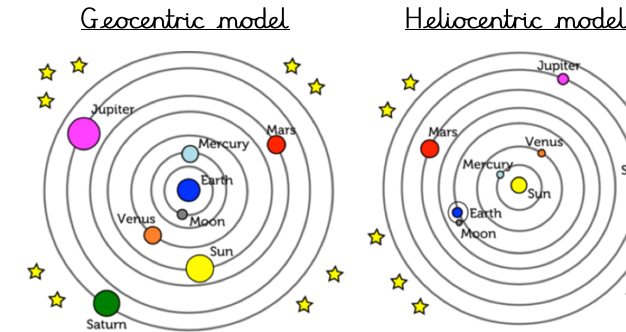
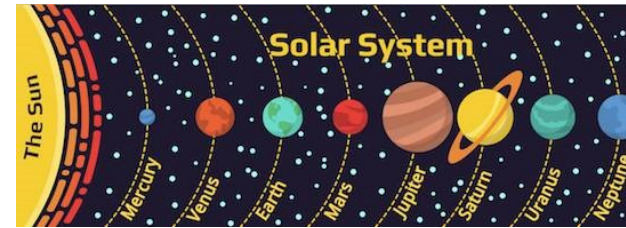


Science: Earth and Space

- ◆ It can seem as though the Sun moves across the sky during the day but the Sun does not move at all! It is actually the Earth that is moving!
- ◆ Earth rotates (spins) on its axis. It does a full rotation once every 24 hours. At the same time, the Earth is also orbiting (revolving) around the Sun.
- ◆ Historically, people believed that the planets orbited the Earth (geocentric model). We now know that the planets orbit the Sun (heliocentric model).
- ◆ It takes just over 365 days for the Earth to orbit the Sun.
- ◆ Daytime occurs when the side of Earth is facing the Sun. Night occurs when the side is facing away from the Sun.
- ◆ The Moon orbits Earth in an oval-shaped path, while spinning on its axis.
- ◆ At various times in a month, the Moon appears to be different shapes. This is because as the Moon rotates around Earth, The Sun lights up different parts of it.



Vocabulary

star	attraction
heliocentric	equator
geocentric	gravity
Solar System	rotation
moon	hemisphere
mass	orbit
revolve	weight
attract	axis

Geography: Geographical Skills

- ◆ Human geography is the study of human interaction with the Earth and the environment.
- ◆ Physical geography is the study of naturally occurring changes and the physical features of the Earth.
- ◆ We can analyse the changes in geographical features over time by comparing historical and modern day maps.



Sneinton Dale
cinema (1932)

The same
location
(2021)



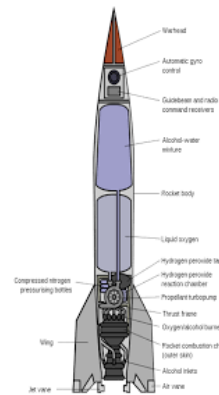
Vocabulary

human	Sneinton
physical	similarities
local	differences
historical	analyse
land use	local

Design Technology: Key Knowledge

- ◆ We are going to be designing and making rockets.
- ◆ Rockets should be streamlined to reduce the effects of air resistance (remember our science learning from the Autumn term!)
- ◆ The materials should be light yet durable so the rocket can easily lift off the ground but remain intact.
- ◆ Our rockets could be powered in different ways—will you use an electrical circuit or a chemical reaction?

Rocket



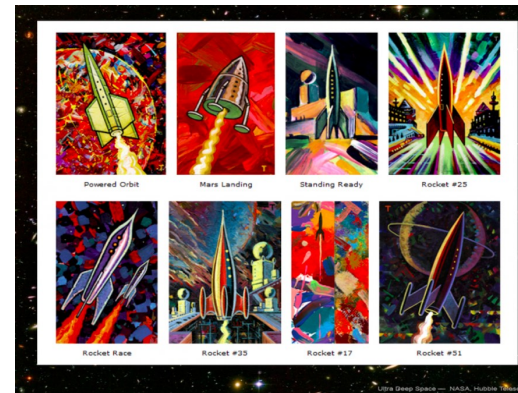
Vocabulary

design	identify
function	recycled
product	materials
sketch	evaluate
annotate	components

Art: Key Knowledge

- ◆ Peter Thorpe is a well-known illustrator who paints many covers of books - his love of space inspires his art.
- ◆ Peter Thorpe often will paint with acrylic on black or white paper.
- ◆ This way, the colour of the image he paints will pop!
- ◆ His background are often abstract.
- ◆ There are ways to combine properties of line, shape, texture and pattern in work to create a variety of effects.

Examples of artwork created by Peter Thorpe



Vocabulary

Peter Thorpe	texture
illustrator	shape
dark	line
bright	effect
abstract	colour

Space Travel Timeline

