

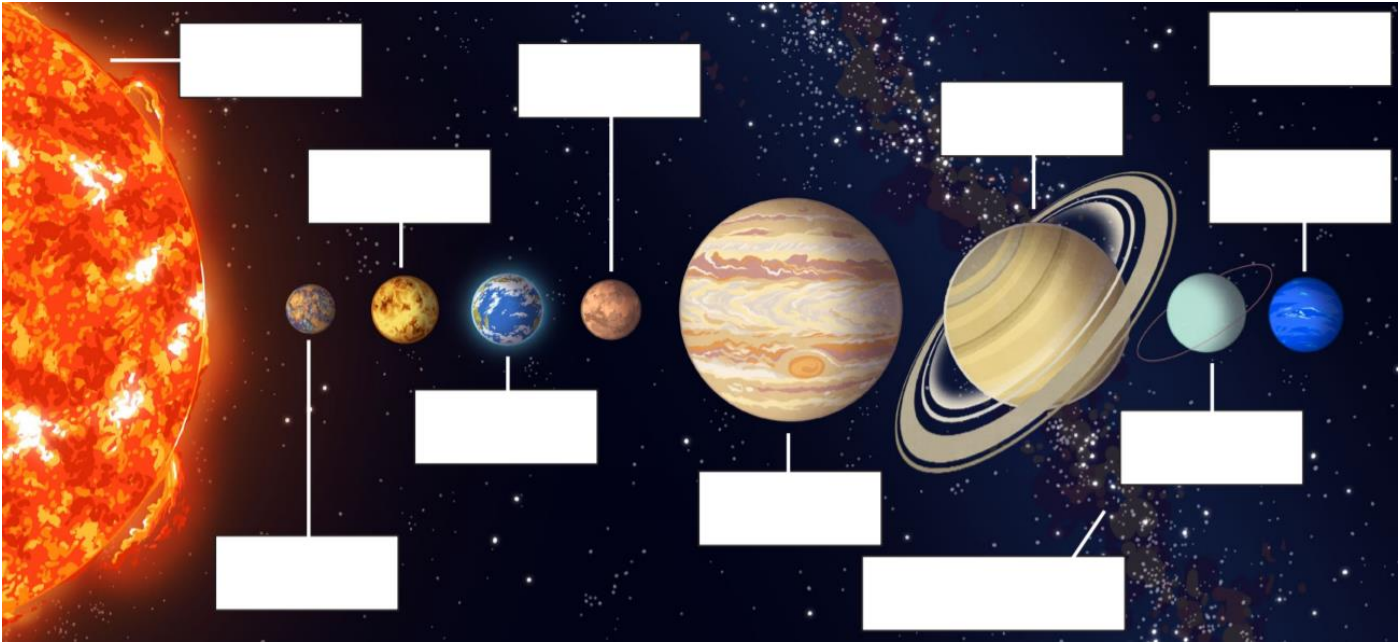
Topic - Earth and Space

Task 1: Science

Find the answers to these questions.

Which planet orbits closest to the Sun?	Which planet has the highest maximum temperature?
Which planet's atmosphere contains the highest percentage of carbon dioxide?	How much bigger is Earth than Mars?
Which planet has the shortest day?	Which planets are made of gas?
Which planet has the most moons?	What is the Earth's atmosphere made mostly of?

Label the planets



Choose a planet to research

My planet is _____

Research the planet and organise the information into the table.

Size		Temperature	
Moons		Atmosphere	
Length of day		Length of year	

My planet is _____

Research the planet and organise the information into the table.

Size		Temperature	
Moons		Atmosphere	
Length of day		Length of year	

Task 2: Art

Design a planet

Name of Planet: _____

Key Facts

Colour: _____

Size: _____

Number of moons: _____

Inhabitants

(People Who Live There)

Surface

Materials: _____

Signs of life (water, oxygen):

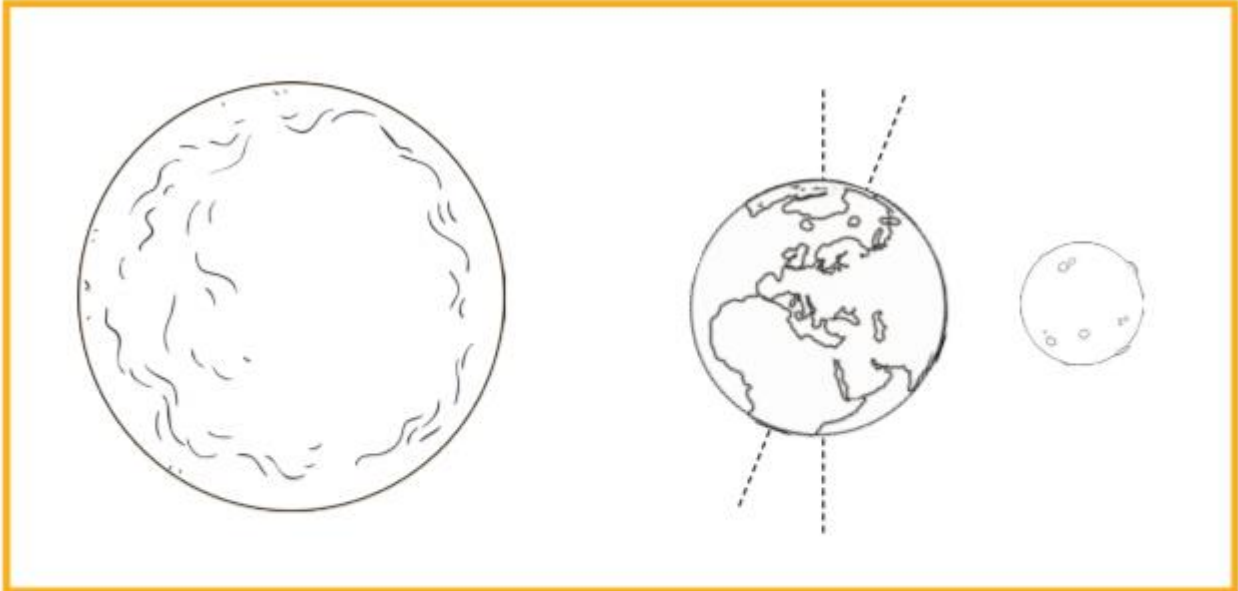
Other information: _____

Task 3: Science

Day and Night

<https://www.bbc.co.uk/bitesize/clips/zrd9wmn>

Use this website to find out why we have day and night.



1. Label the **Earth**, **Sun** and **Moon** on the picture.
2. Can you explain why we have daytime and night-time?

Word Bank

Earth Sun light daytime night-time spins axis Moon reflects

3. Colour in the picture to show which part of the Earth is in daytime and which part is in night-time.

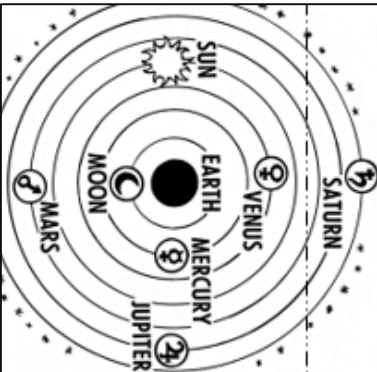
Task 4: History

Find out about Ptolemy, Nicolaus Copernicus, Galileo Galilei.



150 AD

THE HISTORY OF ASTRONOMY

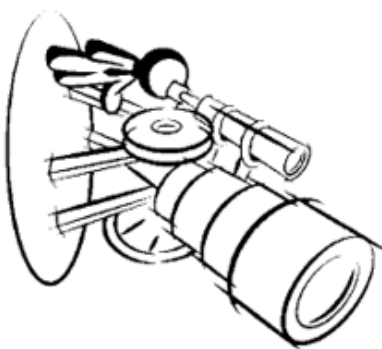


1543





1632



Name: _____

Idea: _____

Evidence (how did he know): _____

Name: _____

Idea: _____

Evidence (how did he know): _____

Name: _____

Idea: _____

Evidence (how did he know): _____

Extra for experts produce a PowerPoint on the following:

1. What theory did Kepler come up with, which we still hold today?
2. How did Newton explain the orbit of the planets?
3. Why are optical telescopes placed as high as possible? What is an even better solution?
4. Why are radio telescopes better than optical telescopes?

Task 5: DT

<https://www.iheartartsn Crafts.com/20-outer-space-crafts-for-kids/>

Use this website and choose one of the 'Outer Space Crafts' to have a go at.



20 OUTER SPACE CRAFTS FOR KIDS



Don't forget to upload your work, pictures and videos to your Dojo portfolio.

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