

Literacy

- Create a glossary for our new topic 'Stargazers.' Find the definition of any technical vocabulary and create your own handy glossary. You can include diagrams if you wish.
- Imagine you are zooming through space. Using your five senses, describe your journey. You could write this as a paragraph or a poem, your choice! Try to be as descriptive and creative as possible.

Music / Art

- A composer called *Gustav Holst* created a suite called *The Planets*. Use YouTube to listen to the pieces of music for the different planets. Can you describe the sounds that you hear? Are there any instruments that you recognise? Maybe create a piece of artwork to accompany each piece. Which is your favourite?
- You will notice that the moon looks different every night. It goes through different phases. Find out about these phases and create a diagram to show the changes.

Science

- Find out about the 8 planets of the solar system.
- Create a planet fact file. Find out facts such as - Name / distance from the sun / size / surface / length of day and year / any other fun facts.
- When Miss Crooks, Miss Stratton and Mrs Smith were at school, we learnt a mnemonic to help us remember the order of the planets: *My Very Easy Method Just Speeds Up Naming Planets*. This will no longer work as Pluto is now classified as a dwarf planet. Can you create your own mnemonic?
- Write a short biography / fact-file of Isaac Newton
- Write a short biography / fact-file of Galileo Galilei
- Write a short biography / fact-file of Copernicus
- Explain using diagrams why we have day and night.
- Find out some information about gravity on different planets. Can you calculate how much different objects would weigh there?

Pre Unit Quiz

1. What does orbit mean?
2. What is a star?
3. Who was Yuri Gagarin and why is he significant?
4. What was the first manned spacecraft to orbit the moon?
5. Who was Katherine Johnson and why is she significant?
6. Which planet in our solar system is furthest from the sun?
7. What was the Space Race and who took part?
8. When we see half of the moon, we call it the first or last quarter. Why is this?
9. What is the temperature on the surface of the sun?
10. Why do we have day and night?

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Stargazers

History / Geography

- Can you find out when each planet was first discovered?
- When did people stop believing that the Earth was flat? What made them change their minds?
- Use Google Earth - explore the earth as seen by satellite.
- Create a timeline for space exploration. Which countries were involved in the space race? Who was the first person in space?

*Be as creative as possible. You are full of amazing ideas, so anything else that you think of, go for it! We look forward to seeing what you come up with!

