‘Confident, Independent, Forward-thinking’

Kents Hill Park Online Lesson

Recording of Online Lessons

Please be aware that <u>all</u> Online Lessons are recorded

Following all lessons the recording will be made available within Microsoft Teams to all staff and pupils for review and recap.

Participating in an online lesson using an online learning platform

I understand that an online lesson is an extension of the classroom and that I should conduct myself as I would in a classroom environment.

This includes:

- Taking part in an online lesson in an environment that is safe, quiet and free from distractions (preferably not a bedroom)
- Being on time for the virtual lesson.
- Remaining attentive during lesson.
- Interacting patiently and respectfully with your teachers and peers.
- Not recording each other's online interactions.
- Remaining for the full duration of the lesson.
- Switching off my video camera and microphone before joining a lesson and when requested to do so by your teacher.
- Finishing the session when your teacher instructs you to do so.

Thursday 14th January

What is a year? What is a day?

Revision:

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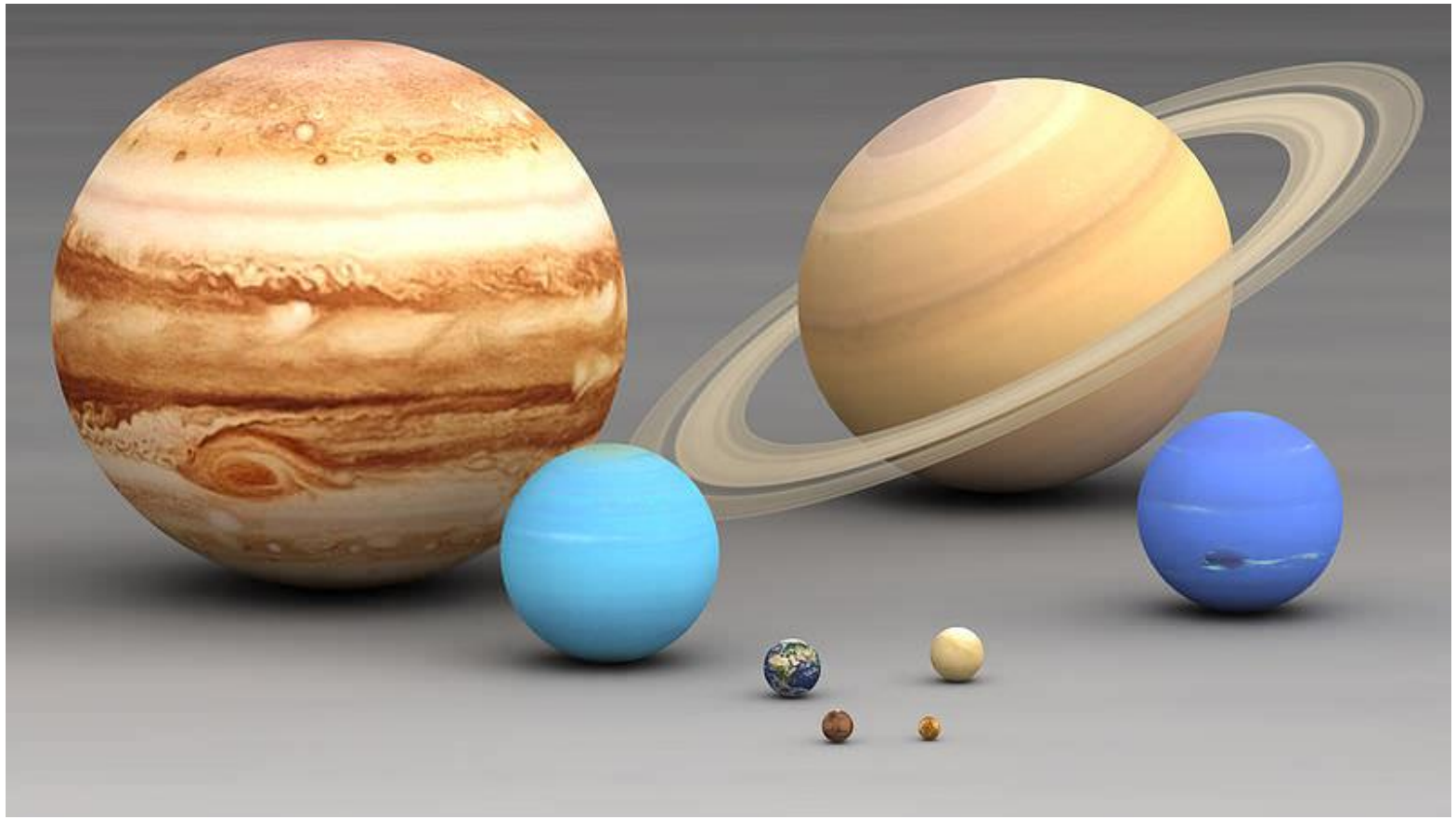

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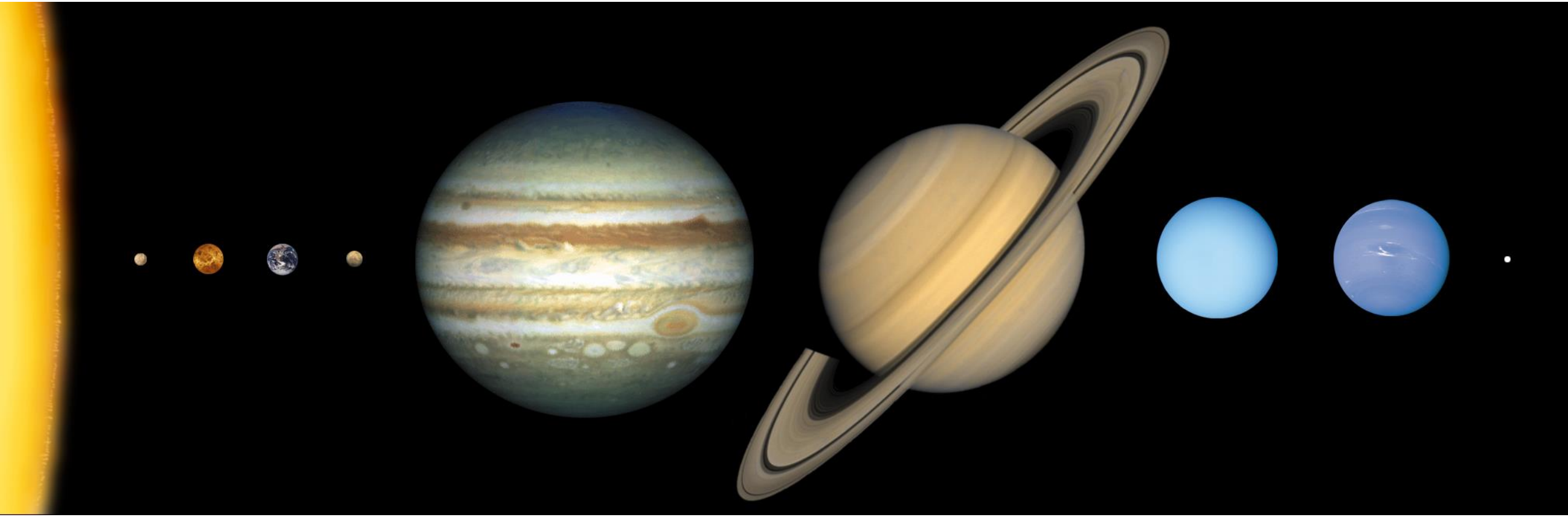

Revision:

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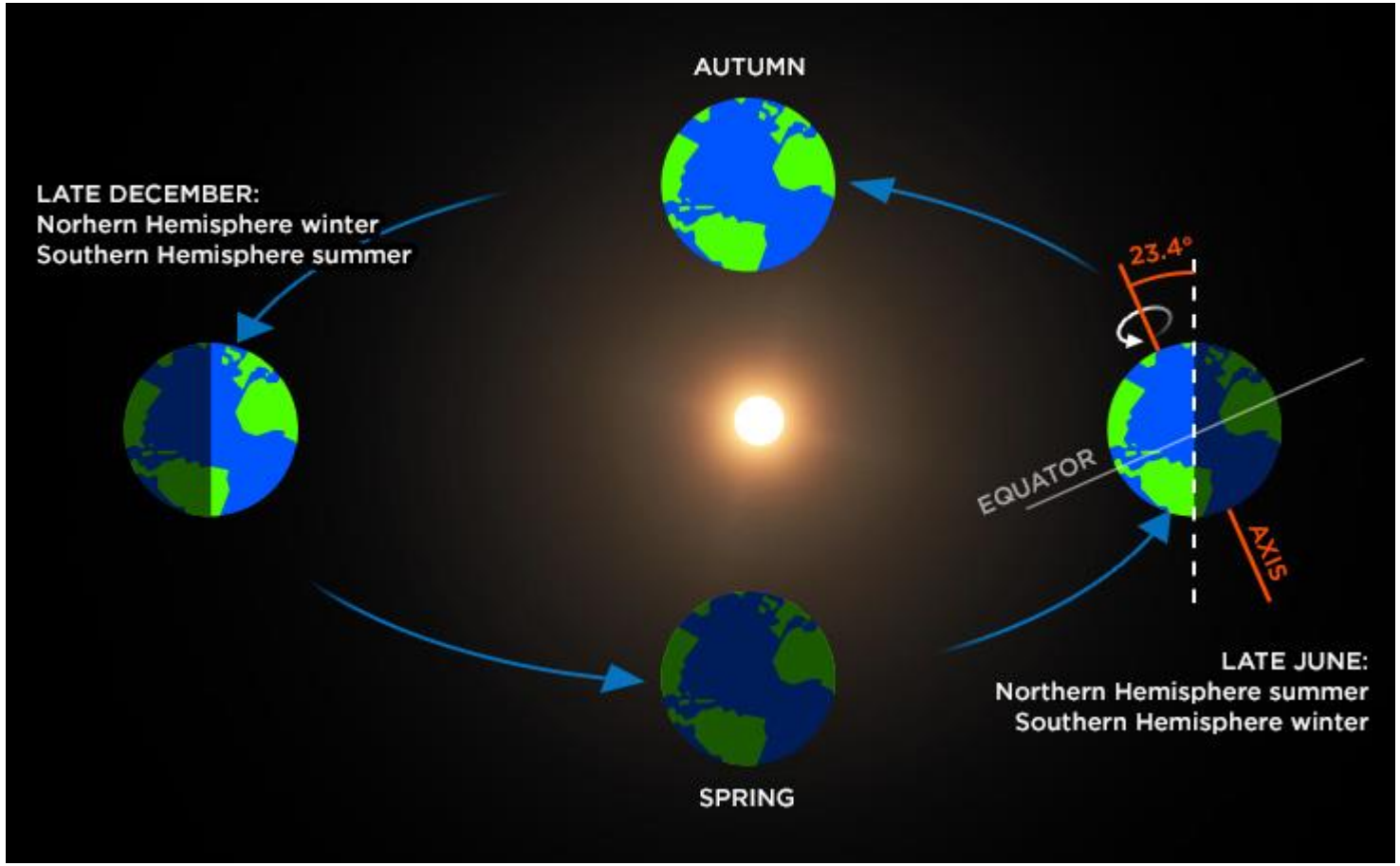
What is a year?

The length of time a planet takes to orbit the Sun.

https://eyes.nasa.gov/apps/orrery/#/inner_solar_system?time=2021-01-06T20:59:00

https://www.youtube.com/watch?v=z8aBZZnv6y8

A year is the time taken for the Earth to make one complete orbit of the Sun. It actually takes 365¼ days – so how do we account for all these extra quarter days?



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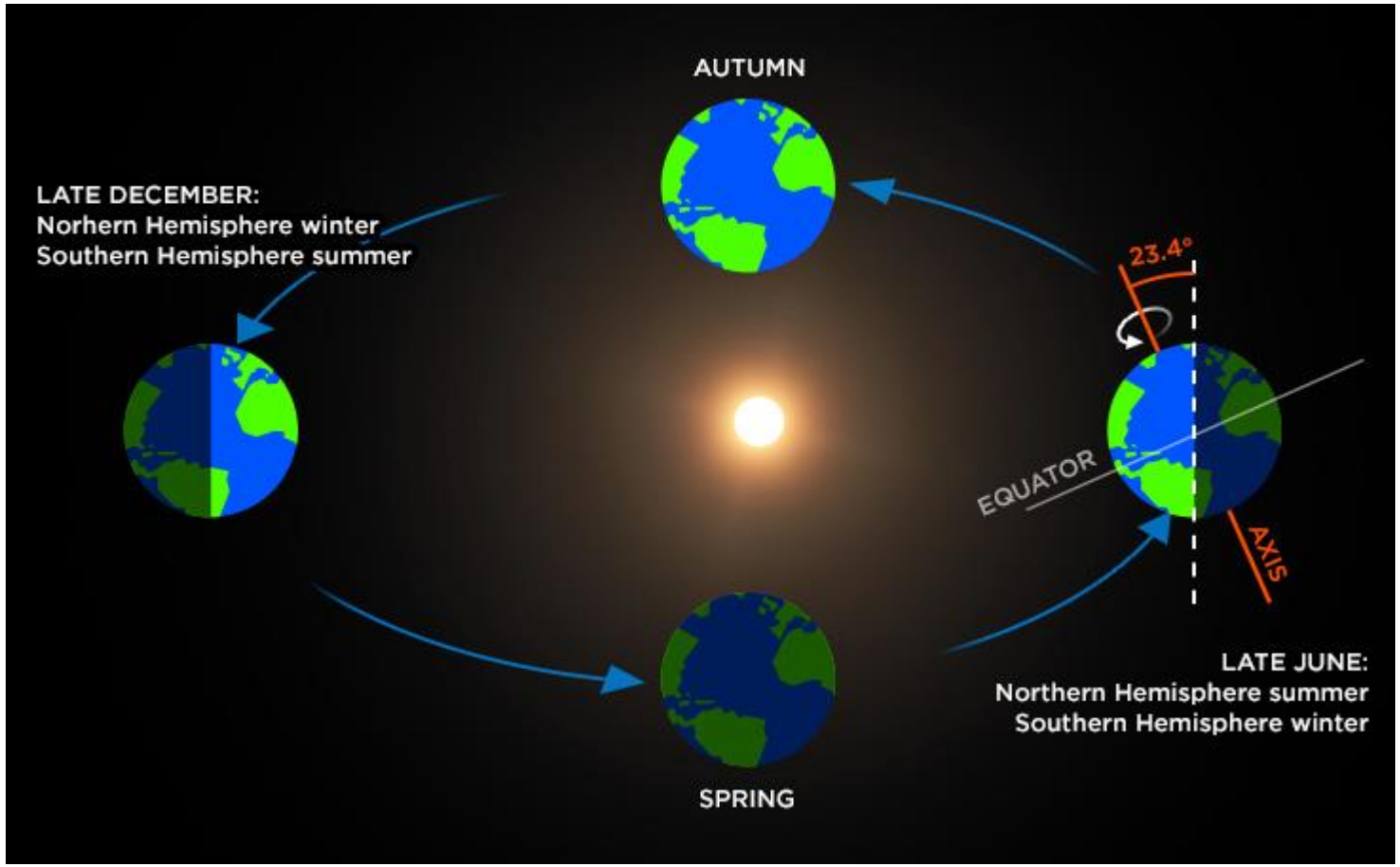
Every four years we have a leap year which gives us the extra day.



- Astronomers in the past counted the number of sunsets from the beginning to the end of the Earth's orbit.
- Astronomers couldn't mark the starting point as we did, so **how did they know when the Earth had completed an orbit? What markers, that don't move, would it pass in the sky?**

- Astronomers in the past counted the number of sunsets from the beginning to the end of the Earth's orbit.
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- **The stars!**
- Slideshow 1: What happens? Why does the star seem to move?
- Ancient astronomers measured and recorded the position of a star in the sky and used this as their marker. They then counted the sunsets until the star was back in exactly the same place.

What is a day?

https://www.bbc.co.uk/bitesize/clips/zrd9wmn#:~:text=Description%20Classroom%20Ideas-,Description,the%20middle%20of%20the%20night.

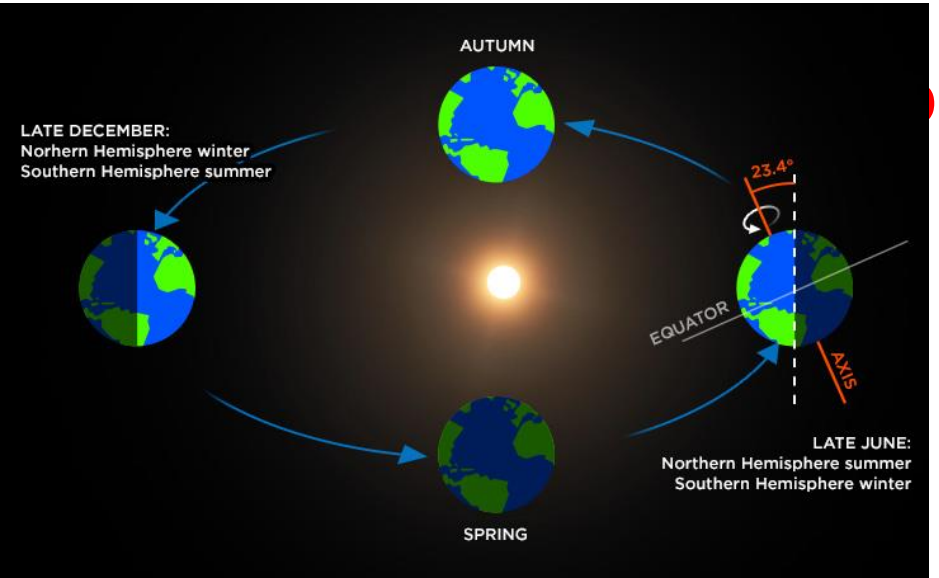
https://www.bbc.co.uk/bitesize/clips/zkynvcw

https://connect.collins.co.uk/school/Primary/FullScreen.aspx?csd=jNxrVCckJdY%3D&rsd=PfGcfvpCC3w%3D&frm=v8rRPVNm6pI%3D

Task:

1. Draw a labelled diagram to explain what a year is.

2. Answer the question: Why does the Sun appear to move across the sky? **The sun appears to move across the sky because the Earth is spinning on its axis. It takes 24 hours for one complete spin.**



your diagrams / explanations as you can!