

# Science

Earth and Space



**WALT:** Compare the time of day at different places on the earth.

## Success Criteria

- I can make predictions about night and day in different places on Earth.
- I can support the idea that different places on Earth experience night and day at different times with evidence.
- I can explain why night and day occur at different times in different places on Earth.
- I can report and present findings from enquiries with support.
- I can report and present findings from enquiries.
- I can write a conclusion which explains my findings.

-12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5 +6 +7 +8 +9 +10 +11 +12

# Night and Day International

24 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



**Recap point. Copy and paste the link below into the browser to watch the video and play the quiz on day and night around the world.**

<https://www.bbc.co.uk/bitesize/topics/zkvv4wx/articles/ztdnyrd#:~:text=Our%20planet%20spins%20on%20an,we%20have%20day%20and%20night!>

Using the video fill in the blanks on the paragraph below.

**Axis    sun    darkness    rotates    always    away**

The Earth rotates on its \_\_\_\_\_. Half of the earth is \_\_\_\_\_ lit up by the \_\_\_\_\_. The other half is in \_\_\_\_\_ because it is facing \_\_\_\_\_ from the sun. Until the earth \_\_\_\_\_.

The sun is a \_\_\_\_\_.

Night

Day

# Night and Day

Discuss the following questions with someone at home:

Using your paragraph from the previous slide can you explain why night time occurs?

Does night and day occur at the same time everywhere on Earth?

Can you explain why it may not be the same everywhere?

Night

Day

# Night and Day

Discuss the following questions with someone at home:

Click the link below and watch the video from 0.00 to 2:30 minutes. And then answer the questions below.

<https://www.youtube.com/watch?v=C-whBKIB1e0>

Can you explain what GMT stand for and why?

If it is +12GMT in New Zealand what does this mean? (The video can help you answer this)

-12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5 +6 +7 +8 +9 +10 +11 +12

• Have a go at the questions on the challenge cards

• These can be found on the school blog!

24 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

