

The Earth, the Sun, and the Moon



In Term 1 we are going to learn about the Earth, the sun and the moon.

We already know quite a bit about them, but we have lots of new questions too!

Here are some of the things we think we already know about the solar system...

The sun shines on
the Earth.

Max

The sun is made of
fire.

Yusuf

I think stars are
planets.

Aaron

When the sun goes
down it sets orange.

Alex P.

There are 8 planets
in space and the sun
isn't actually a planet.

Holly

Alien ships crash
into the moon and
that's why it has
got holes in it.

Harry

I think stars are
little suns which
are far away.

Mia

The sun is very
hot.

Huzaifa

The Earth spins
around.

Maheen

And here are some of the things we are wondering about...

How do space rockets get built and do aliens have space ships?

Yusuf

How does it go between morning and night?

Aaira

How are stars still there during the day?

Harry

What are black holes?

Thom

Are aliens real?

Carys

To Find Out More We Think We Could...

Look in books

Search the internet

Visit a library
or a museum

Go to the
Science Centre

Ask an adult

Watch videos

Go out at night and
look at the sky

Go to space in a rocket

We did some role play in which we all had a turn of being either the sun, the Earth orbiting the sun or the moon orbiting the Earth.



Here are some of the things we have been learning and some examples of our work...

The moon spins round
the Earth.

Max

The Earth takes 24
hours to spin and
that's how many
hours are in a day.

Thom

The Earth spins but we
don't feel it.

Will

The sun stays where it
always is and the Earth
spins slowly.

Aaron

If you go too close
to the sun you will
burn.

Maheen

The sun always stays
in the sky and when
we see it then it's
daytime.

Alex KT

We made models of the Earth, sun and moon which move to show their orbits.



The sun and moon don't go away.

James

The Earth is part of the solar system.

Georgia

The sun is a big star.

Nour

The sun is always there.

Charlotte



The sun is very hot.

Hasan

The Earth spins
round all the
time.

Umar

The moon is always
there.

Zahira

The sun is a star.

Aaira

Why Do We Have Day and Night?

1. Label the **Earth**, **Sun** and **Moon** on the picture.
2. Can you explain why we have day and night by using the words in the box to complete each sentence?

We live on the planet earth. ✓

Light comes from the sun. ✓

The Earth spins on its axis once each day. ✓

When the Sun shines on our part of the Earth, we are in daytime. ✓

When our part of the Earth spins away from the Sun we are in nighttime.
3. Colour in the picture to show which part of the Earth is in daytime and which part is in night-time.

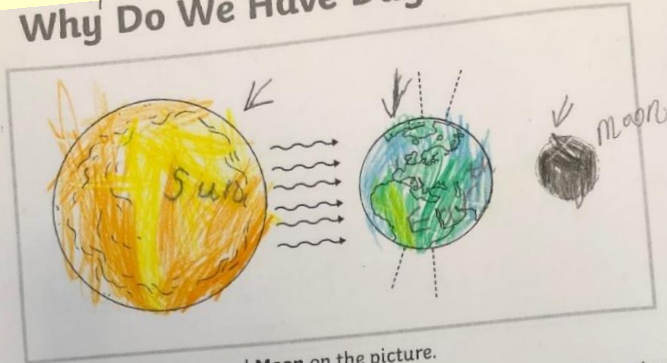
spins	night-time	daytime	Sun	Earth
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★ Great work!

We are able to explain why we have day and night.

Some of us have been looking at the sky at different times of the day and sharing what we've seen with the class.

Why Do We Have Day and Night?



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We live on the planet Earth ✓

Light comes from the sun ✓

The Earth spins on its axis once each day. ✓

When the Sun shines on our part of the Earth, we are in daytime ✓

When our part of the Earth spins away from the Sun we are in night time ✓

~~spins~~ ~~night-time~~ ~~daytime~~ ~~Sun~~ ~~Earth~~

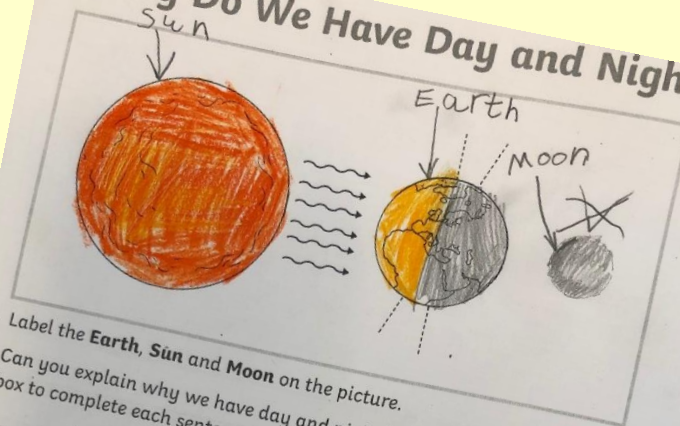
3. Colour in the picture to show which part of the Earth is in daytime and which part is in night-time.

★ Great work!

The moon is still there in the morning.

Aisha

Why Do We Have Day and Night?



1. Label the **Earth**, **Sun** and **Moon** on the picture.
2. Can you explain why we have day and night by using the words in the box to complete each sentence?

We live on the planet Earth ✓

Light comes from the Sun ✓

The Earth spins on its axis once each day. ✓

When the Sun shines on our part of the Earth, we are in daytime ✓

When our part of the Earth spins away from the Sun we are in night time ✓

~~spins~~ ~~night-time~~ ~~daytime~~ ~~Sun~~ ~~Earth~~

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

★ Great work!

The Earth spins around the sun.

Arya

1.10.19
Order of the Planets Cut and Paste

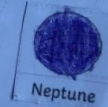
Colour the images. Cut out the planets and paste them in the correct order from the Sun.



You have correctly ordered the planets.
★

Order of the Planets Cut and Paste

Colour the images. Cut out the planets and paste them in the correct order from the Sun.



You have correctly ordered the planets.
★

There are 8 planets in the solar system. There are 4 rocky planets and 4 gas planets.

Archie

If you went to any of the gas planets you wouldn't be able to stand on them.

Mollie

81019 Earth, Sun and Moon

Complete the sentences below.

star	Earth	planet	sphere	Moon
28 days	shape	Solar System	365 days	Sun

The Earth is a planet and takes around 365 days to travel around the Sun.

The Sun is a star found at the centre of our solar system.

The moon takes 28 days to travel around the Earth.

The Earth, Sun and Moon are all roughly the shape of a sphere.

Great work! ☆

The Earth spins round the sun.

Abbie

8.10.19 Earth, Sun and Moon

Complete the sentences below.

star	Earth	planet	sphere	Moon
28 days	shape	Solar System	365 days	Sun

The Earth is a planet and takes around 365 days to travel around the Sun.

The Sun is a star found at the centre of our Solar System.

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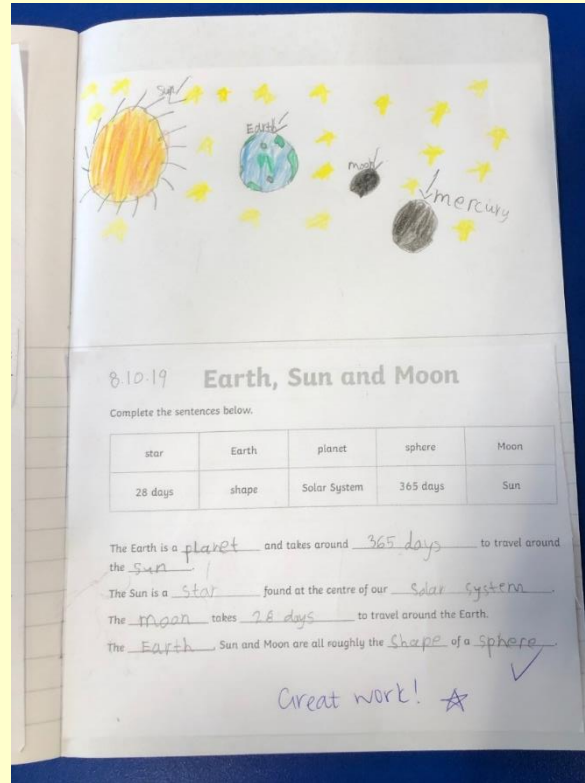
☆ Great work! ✓

When the sun sets it is night-time.

Srishti

The sun is a star. The stars are out during the day but you just can't see them.

Beth



Stars are always there
but we only see them
at night when it is
dark.

Harry

The sun stays still. The
Earth spins around the
sun and the moon spins
around the Earth.

Azeen

If you would like to continue looking at the sky then there are lots of websites and apps available online which can help.

The screenshot shows the 'Astronomy' section of the website timeanddate.com. The browser address bar shows 'timeanddate.com/astronomy/'. The website features a navigation menu with links to Home, World Clock, Time Zones, Calendar, Weather, Sun & Moon, Timers, Calculators, Apps & API, and Free Fun. Below the navigation menu, there are several utility sections:

- Sun**: Sunrise & Sunset Times (with a search box for city or place), Daylight Saving Time (DST) information, and Sun Articles.
- Moon**: Moonrise & Moonset Times (with a search box), Moon Phases In Your City (with a search box), and Moon Articles.
- Solar & Lunar Eclipses**: Eclipse Lookup (with a search box), Solar & Lunar Eclipses Worldwide, and a featured event: Partial Lunar Eclipse Jul 16/17, 2019, with a link to watch a recording of the LIVE stream. It also promotes a mobile app for Solar & Lunar Eclipses available on iOS and Android.
- The Sky Tonight**: Planets Visible Tonight, Distance, Brightness, and Size, and Planet Sizes and Order.
- Moon Phase Chart**: A section titled 'Where is the Moon now?' with a small image of the moon and Earth.
- Equinox & Solstice**: Astronomical Season Calculator (with a search box), Vernal Equinox, Autumnal Equinox, Summer Solstice, and Winter Solstice, and Astronomical Seasons Articles.

There are also two large empty search boxes at the top of the page, one on the left and one on the right, both with a magnifying glass icon and a close button.