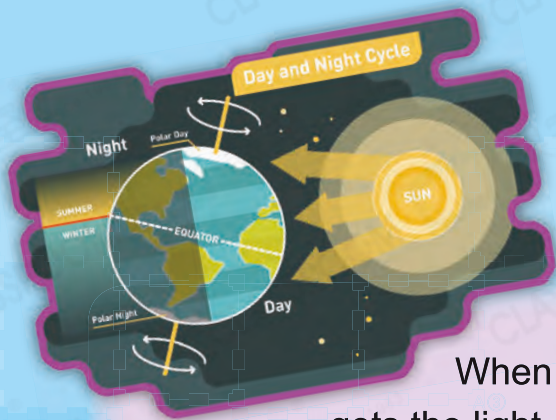


Fun Bits 2

The Rotation and Revolution of the Earth

Did you know that the Earth can move? It can rotate by itself. We call this a 'rotation'. It takes the Earth 24 hours to complete a full rotation. At the same time, the Earth moves around the sun. We call this a 'revolution'. It takes the Earth 365 days to travel around the sun once. The moving of the Earth is the reason why we have day and night and different seasons.



Day and Night

When the Earth rotates, the half of it that faces the sun gets the light. So, the places there are in the daytime. In other words, the other half of the Earth is in darkness and the places there are at nighttime. For example, China and the US are far from each other, so their time of day and night are the opposite. It is quite interesting that when you are having breakfast in Hong Kong, your friends in New York may be having dinner!

A Replace each underlined word with **ONE** word from the text.

1. The sun can rotate by itself. _____
2. The Earth needs 24 days to rotate once. _____
3. Japan is in the daytime now because it is getting the electricity directly from the sun. _____
4. In January, Australia gets less light and heat from the sun than China. _____

Different Seasons

The Earth moves around the sun. This brings changes in seasons in different places on Earth. For example, in July, it is summer in China, but winter in Australia. It is because in this month, China faces the sun for a longer time than Australia, so it gets more light and heat from the sun. The seasons in these two countries change as the Earth moves around the sun. Therefore, in December, it is time for Australians to enjoy the summer!



B Read the hints and circle the correct words from the text in the word search.

h	s	r	n	o	b	u	f
b	x	r	e	p	r	t	a
a	i	v	c	p	i	v	c
s	e	a	s	o	n	s	e
s	n	l	n	s	g	g	s
w	t	o	d	i	s	a	l
b	a	e	u	t	h	a	a
a	m	e	a	e	o	n	c
f	d	r	e	p	e	w	e
a	e	s	w	l	s	v	m
d	a	r	k	n	e	s	s

STEAM Highlights

How long does it take for the Earth to travel around the sun once? (Find the answer from the text and check it on P.72.)

Hints:

1. Dad turned off the light and the room was in _____.
2. Hugo is kind. He always _____ presents to his friends after travelling.
3. The balcony of our home _____ the sea so we can always enjoy a beautiful view.
4. Students have to change their uniform in different _____.
5. Brian is well-behaved but his brother's personality is just the _____.