

Year 2 English

Week 3



Rainbows everywhere



Year 2 English

Week 3

Learning overview:

- Day 1- Talk task- What do you know about rainbows?
- Day 2-. Vocab challenge
- Day 3- Reading challenge
- Day 4- Walking rainbow science experiment
- Day 5: SPAG



Day 1

What do you know about rainbows?

Day 1

Have you ever seen a rainbow?

What do you know about rainbows?
With a talk partner, talk about rainbows
and answer these questions.

The shape of a rainbow is....

The colours I can see are...

When there is a rainbow the
weather is always...

Rainbows appear when...

Day 1

Visit our English page and download "rainbow non chronological report".

★ Read this piece of explanation with someone at home to find out about rainbows:

Rainbows

A rainbow is an **arc** of colour in the sky that can be seen when the sun comes out during or after a rainstorm.

How a rainbow is formed

A rainbow is formed when a person sees the sun or a **light source** shining through rain drops.



Photo by Italo Melo from Pexels

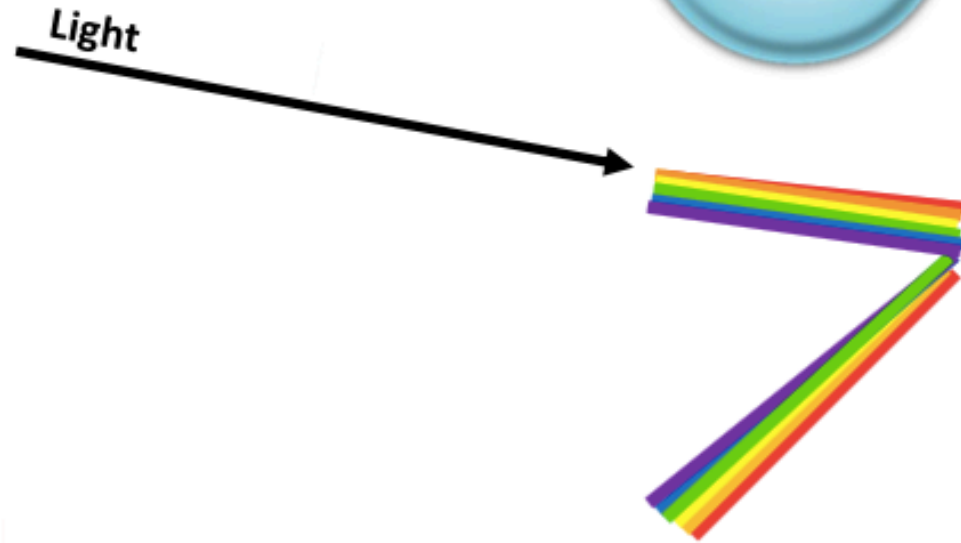
Day 1

This type of rainbow is formed when sunlight strikes raindrops, at a forty two degree angle, in front of the people looking at it.



Day 1

When the light strikes the drops, it changes and splits into colours, called a **spectrum**. These colours are bounced back to us so that we see a rainbow.



What we see



The colours of a rainbow are red, orange, yellow, green, blue and purple.

Day 1

Where are rainbows?

The rainbow is an **optical illusion** which means that it tricks your eyes so that what you think you see is different from what is really there. Rainbows are not in a fixed spot in the sky as the appearance of a rainbow depends on where the person seeing it is and where the light is.

Rainbows are actually full circles but viewers on the ground can only see them above the **horizon**.



Day 1

Fascinating fact

A moonbow, also called a lunar rainbow, is a rainbow that is produced by light from the moon!

| glossary | (what the words mean) |
|--------------|---|
| arc | A part of a line that forms the outside of a circle. |
| light source | The place or thing which you get light from. |
| horizon | The line in the far distance where the sky seems to meet the land or the sea. |
| spectrum | The range of different colours that you get when light passes through a glass prism or through a drop of water. |

Day 1

Now that you have read more information explaining about rainbows, can you go back to your notes and add any more information?

What else can you add?



| | |
|---|--|
| <p>The shape of a rainbow is....</p> | <p>The <u>colours</u> I can see are...</p> |
| <p>When there is a rainbow the weather is always...</p> | <p>Rainbows appear when...</p> |





Day 2

Vocab challenge!

Day 2

★ Read the glossary and check that you understand the definitions

glossary

(what the words mean)

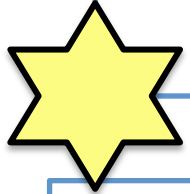
| | |
|--------------|---|
| arc | A part of a line that forms the outside of a circle. |
| light source | The place or thing which you get light from. |
| horizon | The line in the far distance where the sky seems to meet the land or the sea. |
| spectrum | The range of different colours that you get when light passes through a glass prism or through a drop of water. |

Day 2

1. Use the text to help you to write your own definition of *optical illusion*
2. Draw an *arc*
3. Write down or draw as many *light sources* that you can think of:
4. Use your careful looking skills to find the photograph on page 4 taken by Italo Melo. Find the *horizon* and show someone at home what the horizon is. Can you explain what it means?

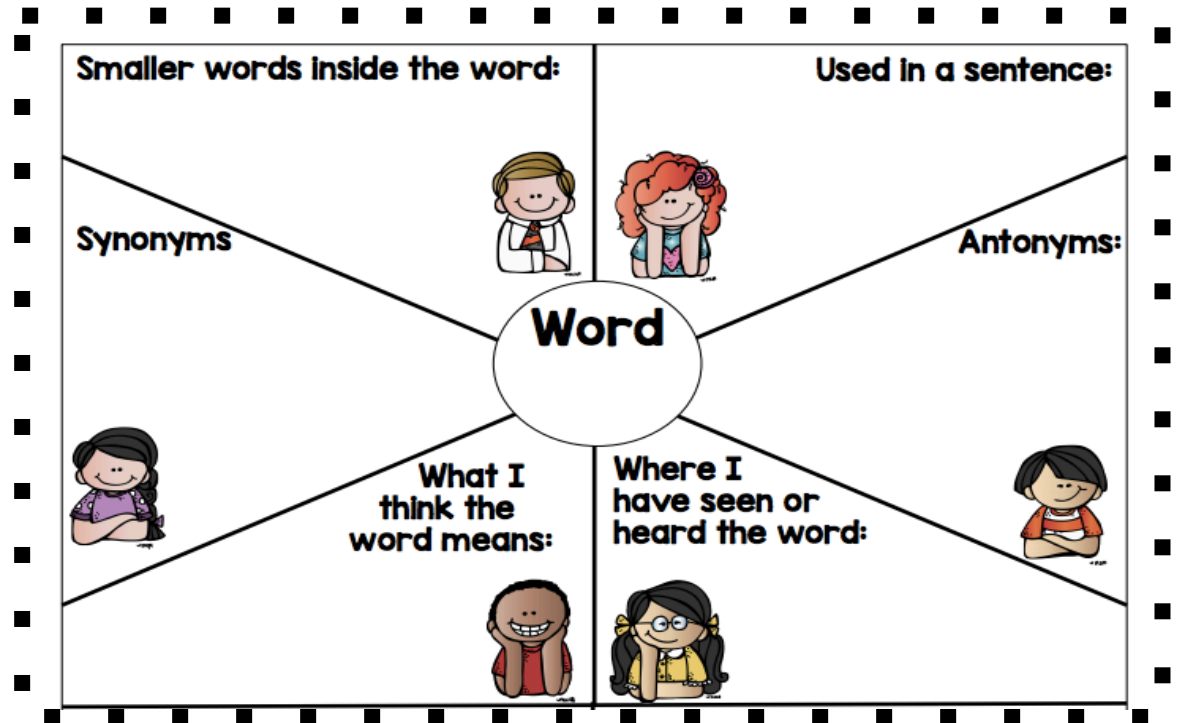
Day 2

Let's think carefully about some of the topic related words we have read.



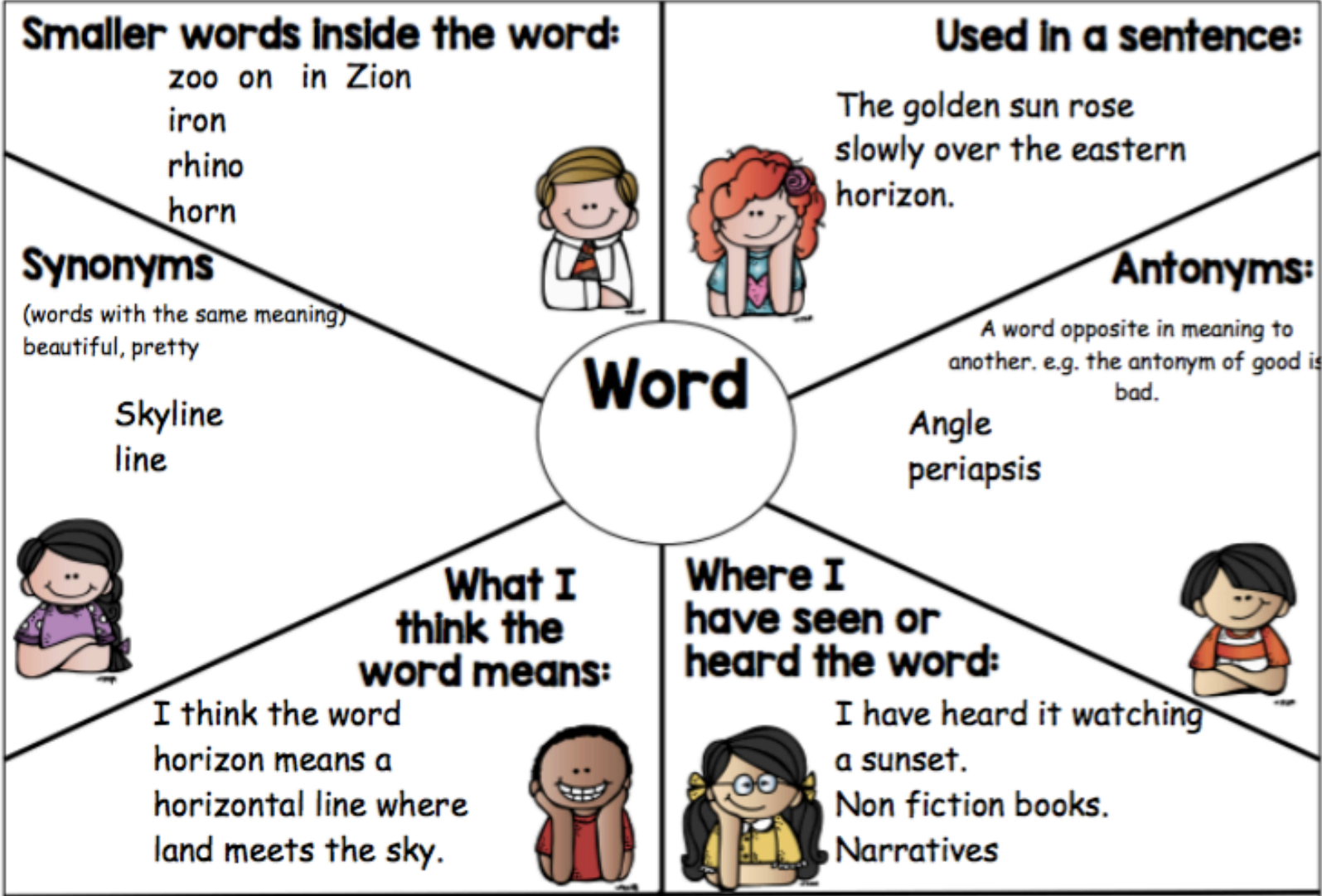
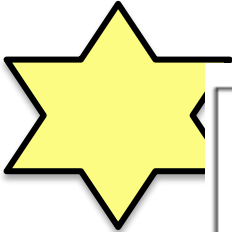
Vocab list:

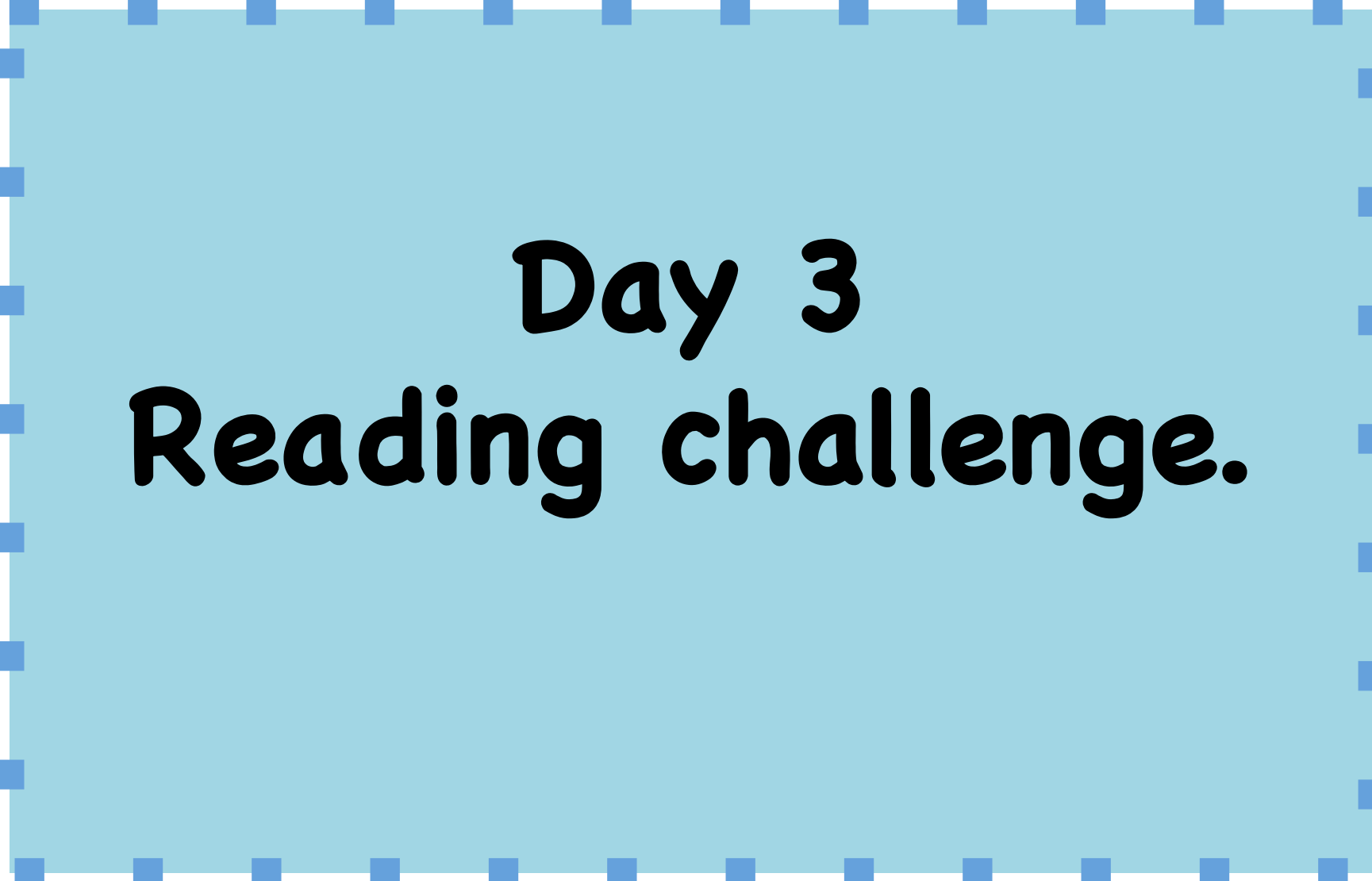
arc
horizon
spectrum
illusion
optical
moonbow



Lets dive deeper to develop more understanding! Choose a word and use a dictionary to help you complete the vocabulary placemat. You could ask an adult to help you use an online thesaurus or the internet.

Example:





Day 3
Reading challenge.

Day 3



**What is an non-
chronological report?**

Day 3

A title

An opening sentence that says what the text is about

A non-chronological report has...

A series of facts explaining why something happens

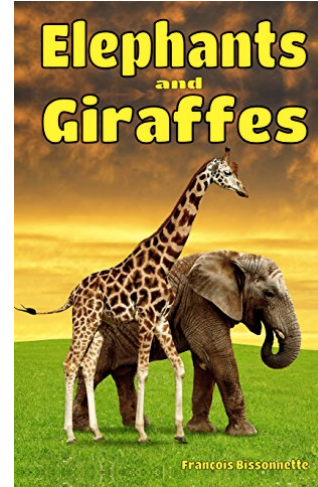
Pictures and or diagrams

Day 3

Lets get reading!

Choose one of the following

- a non chronological report from our English page
- an information or explanation book at home
- an information text on EPIC



Task

Use your scanning skills (read over the text quickly to find something) and see if you can find each of these in one book:

- ✓ A title
- ✓ An opening sentence that says what the text is about
- ✓ Facts (information or explanation about something)
- ✓ Fascinating fact
- ✓ A glossary
- ✓ Photographs or diagrams

Day 3

Write the information you have learnt

Title:

Opening sentence:

Key facts:

Fascinating fact:

One photograph or picture is of ...

The diagram helps me know ...

Day 3

▪ **Title:** *Rainbows*

▪ **Opening sentence:** A rainbow is an **arc** of colour in the sky that can be seen when the sun comes out during or after a rainstorm.

▪ **Key facts:**

- • Rainbows are full circles.
- • A rainbow is formed when a person sees the sun or light shining through the raindrops.
- • The colours of the rainbow are red, orange, yellow, blue, green, purple

▪ **Fascinating fact:**

▪ A moonbow, also called a lunar rainbow, is a rainbow that is produced by light from the moon!

▪ **One photograph or picture is of ..**

▪ How a rainbow is formed

▪ **The diagram helps me know ...**

▪ the shape of the rainbow and how it is formed when we see light shining through raindrops.



Day 4

Make a walking rainbow
Science experiment

Day 4

Walking rainbow science experiment.

We will learn about how water travels up the paper towels through a process called **capillary action**.

You can watch this video to help you with the experiment




<https://www.youtube.com/watch?v=hGwG--GZEfw>

Walking Water

What I think will happen:

What I observed:



What I learned:

Visit our science page to download recording sheet (day 4)

Day 4

Watch the YouTube video or follow these instructions.

You will need:

- Printable walking water recording sheet
- Small plastic cups or glasses
- Paper towels
- Food coloring in primary colors
- Water



Instructions:

1. Print out the recording sheets and make copies, if needed.
2. Place 7 cups in a row and pour water in the 1st, 3rd, 5th, and 7th cup. My cups were about 3/4 full. I have since heard that fuller is better.
3. Add 5 drops of red food coloring to the 1st cup and the 7th cup.
4. Add 5 drops of yellow food coloring to the 3rd cup.
5. Add 5 drops of blue food coloring to the 5th cup.
6. Take a half sheet of paper towel and fold it in half lengthwise and in half again lengthwise.

Day 4

Instructions continued...



7. Place one half of a rolled paper towel in the 1st cup and place the other half in the cup next to it. Then another paper towel from 2nd cup and into the 3rd cup. This continues until you have placed the last paper towel that drapes over from the 6th cup to the 7th cup.

8. Stare at the cups and watch what starts happening. You should quickly be able to see the colored water begin to crawl up the paper towel.

**Don't forget to do the first part of the recording sheet.
Students will predict what they think will happen.**

Day 4



Questions to ask:



- What do you think will happen to the water?
- What can you observe?
- Why do you think the colors are changing?
- Why might the water be able to move up against gravity like that?

Day 4

How this science experiment works



The water moves up the paper towels through a process called **capillary action**. The paper towel is made from fibers and the water is able to travel through the gaps in the fibers. The gaps in the paper towel act like capillary tubes and pull the water upward. This is what helps water climb from a plant's roots to the leaves at the top of the plant or tree.

The water is able to move upward against gravity because of the attractive forces between the water and the fibers in the paper towel.

A large purple square with a dashed border of small purple squares. The text "Day 5" and "SPAG" is centered in the square.

Day 5
SPAG

Day 5

Spelling, Punctuation and Grammar

I have created lots of different SPAG activities for you! Choose one or as many as you like to complete.



Warm up: Complete the SPAG mat

a

Tick the command sentence.

When is Sports Day?


Ready, steady, go!



c


Underline the nouns in this sentence.

He drove his car slowly down the lane.




e

Write a statement sentence about this picture. Statements tell you something and end with a full stop.




b

Circle the correct homophone for each picture.



I

eye




I

eye

d

Extend this sentence using the conjunction 'if'.

I will put on my coat...




f

Oh no! Mr Whoops is getting in a muddle. Tick the sentence he should use.

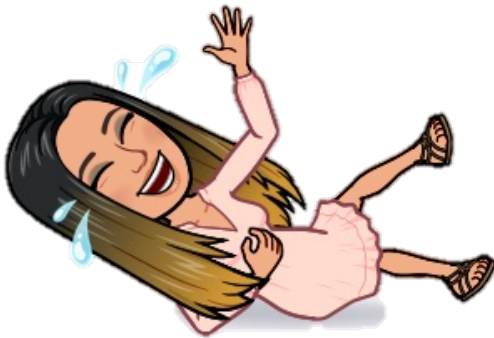
I was work on the computer before lunch?

I was working on the computer before lunch.



Day 5

Can you write a sentence underneath each picture in the comic strip, using a **full stop**, to describe what is happening?



Day 5

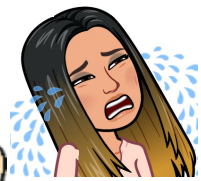
Can you write a question beginning with each of the question words on this hand and ending in a **question mark**? Write about the picture for each finger.

Where did the spider crawl to?

[Blank green box for writing]



[Blank green box for writing]



[Blank green box for writing]



[Blank green box for writing]

Can you write some more questions for each finger, using your own ideas?

Day 5

All the animals are feeling super excited today! Can you write what you think each animal is thinking or saying? Don't forget to use an exclamation mark.



Day 5



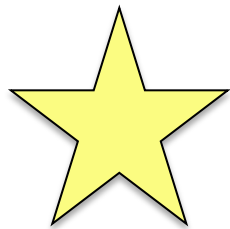
Oops! Miss Wright has written a letter with several mistakes.

Some **capital letters** are missing from her letter. Can you spot where the capital letters should be and add them in?

dear year 2

how are you feeling today? i have missed you all so much.
this morning i had to send a package so i made a trip to the nearest
post office. during my visit i had to wait in line for 20 minutes! this
weekend i'm going for a long walk around battersea park so I can enjoy
the lovely weather. what have you been doing today?

love miss wright



Challenge: Write a letter or message back to Miss Wright. Remember to use your capital letters and full stops correctly.

