



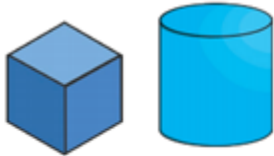
Year 2 Home learning fortnight - Week beginning 22nd February 2021

Maths	Sequence One	Shapes																																			
<p>Recognising 2D shapes</p> <p>Using the 2d shape mat attached go on a shape hunt around your home. Make a tally to find out which one you see most of.</p> <table border="1"> <thead> <tr> <th>Shape</th> <th>Tally</th> </tr> </thead> <tbody> <tr><td>Oval</td><td></td></tr> <tr><td>Octagon</td><td></td></tr> <tr><td>Pentagon</td><td></td></tr> <tr><td>Heptagon</td><td></td></tr> <tr><td>Square</td><td></td></tr> <tr><td>Kite</td><td></td></tr> <tr><td>Rectangle</td><td></td></tr> <tr><td>Rhombus</td><td></td></tr> <tr><td>Triangle</td><td></td></tr> <tr><td>Circle</td><td></td></tr> <tr><td>Hexagon</td><td></td></tr> </tbody> </table> <p>Challenge -</p> <p>I'm thinking of a 2-D shape with more than 3 sides.</p> <p>What shape could she be thinking of?</p>	Shape	Tally	Oval		Octagon		Pentagon		Heptagon		Square		Kite		Rectangle		Rhombus		Triangle		Circle		Hexagon		<p>Counting the sides on 2D shapes</p> <p>Sides are the lines joining the corners (vertices) on a shape.</p> <p>Copy this table into your book and fill it in with all the shapes from the 2D shape word mat. Count the sides accurately. You might want to cross off/highlight each side as count them.</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Draw shape</th> <th>Number of sides</th> </tr> </thead> <tbody> <tr> <td>Circle</td> <td></td> <td>1</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Challenge</p> <p>Using 18 lollipop sticks (or straight strips of paper) how many 2d shapes can you make at the same time?</p>	Name	Draw shape	Number of sides	Circle		1				<p>Vertex and vertices in 2D shapes</p> <p>A vertex is where straight sides join. Shown here:</p> <p>The vertices of this shape are circled</p> <p>Copy these shapes into your book (or cut them out of paper) and circle all the vertices.</p> <p>Then order them from the smallest to the biggest number of vertices.</p> <p>Challenge</p> <p>Can you name them without looking at the answers yet?</p>	<p>Sorting shapes</p> <p>Remind yourself how to use a Venn Diagram</p> <p>https://www.bbc.co.uk/bitesize/clips/zyktfg8</p> <p>Now choose 2 of these and make a venn diagram. Then sort ALL the 2D shapes you know into the correct places</p> <ul style="list-style-type: none"> • More than three vertices • Less than 3 vertices • No vertices • More than 3 straight sides • Less than 3 straight sides • One curved side 	<p>Draw 2D shapes</p> <p>Using the dotted paper below (or the squares in your book) can you draw the following?</p> <p>TOP TIP: start and end the line on a dot (or the corner of a square if using your book)</p> <ul style="list-style-type: none"> • A square with 2cm sides • A rectangle where 2 sides are twice as long as the other 2 sides • A pentagon • A hexagon with all sides the same • A kite • A triangle with a right angle <p>Challenge - Irregular shapes have sides that are different length. Can you draw an irregular triangle?</p>
Shape	Tally																																				
Oval																																					
Octagon																																					
Pentagon																																					
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Circle		1																																			

Maths

Name and identify 3D Shapes

See if you can find one of each of these in your home to help you with this week's tasks. Add a label to each one for this week's tasks.



cube

cylinder

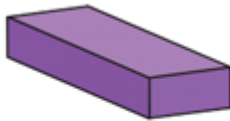
OXO cube?

Tin can?



sphere

Ball?



cuboid

Cereal box?



cone

Ice cream cornet?



triangular prism

Toblerone?



square-based pyramid



tetrahedron

Challenge - Make the last 2 from the nets below.

Sequence Two

Faces on a 3D shape

A face is a flat surface of a 3D shape

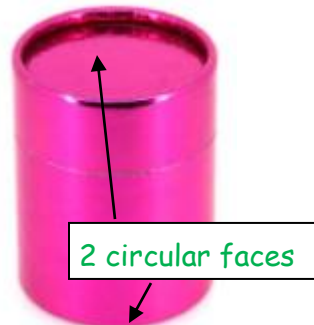
For each of the shapes find out how many flat faces it has.

Look at what shape the flat face is

Draw each of the flat faces. You can display your findings in a table like this:

Shape	Number of flat faces	Draw the flat faces

Or you can label your findings and photograph them. Like this:



Edges on a 3D shape

An edge is where 2 faces meet or where a face and a curved surface meet.

Look at your 3D shapes. Some have flat faces and some have curved surfaces. Some (like a cuboid) have both. Where these meet are called an EDGE.

Count the edges on each of the shapes and stick a label on them to show how many edges they have.

Now order them from MOST edges to least and write them in your book in that order.

Are there any that are the same?

Are there any with no edges?

Challenge

Ron has sorted these shapes according to the number of edges.

Which shape is in the wrong place?

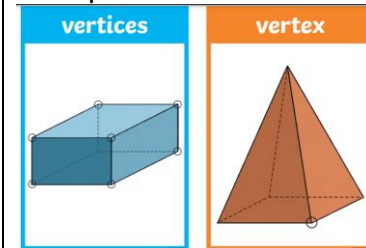
Explain why.



Shapes - 3D shapes

Vertices on a 3D shape

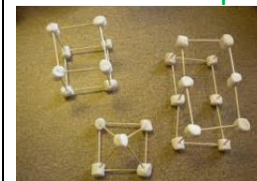
A vertex on a 3D shape is where 2 or more edges meet. For example:

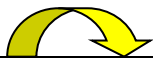


Find the vertices on each of your 3D shapes and stick blue tack/post it note or some other marker on each one. Then take them off one by one counting them to help you fill in this table.

Shape	Vertices
Sphere	
Cylinder	
Cube	
Cuboid	
Cone	
Triangular prism	
Square based pyramid	
tetrahedron	


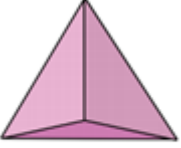




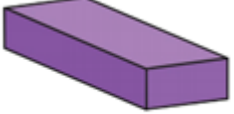

Challenge - Can you make any of these with spaghetti and marshmallows/playdough?





Sorting 3D shapes

How have I sorted these shapes?

?????????	?????????
 square-based pyramid  tetrahedron  triangular prism	 cylinder  cone  sphere
 cuboid  cube	

Challenge - Make your own table in your book and sort all the 3D shapes into two groups based on what you write in the top - Can you think of a way of sorting them that includes all the shapes? Think about sorting according to vertices, edges, and faces.

Additional Activities

Hangman

Play hangman with someone in your family - The ONLY words you can use are shape words (Use the 'Shape word mats' attached to check you have the right spelling) Can they guess the shape?



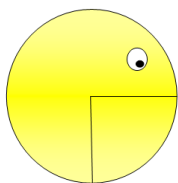
Make your own Maths Dictionary

If you can look at this maths dictionary <http://www.amathsdictionaryforkids.com/> It shows you the meaning of maths words.

Make your own maths dictionary explaining (with pictures) the meanings of these words.

- Sides (2D shapes)
- Edges (3D shapes)
- Vertices
- Faces
- 2D shapes
- 3D shapes

Go on a Right Angle hunt
Make yourself a right angle eater



(Big one below)

1. Cut out the circle.
2. Then cut out the mouth section - This is a right angle - it means it is exactly 90 degrees where 2 straight edges or sides meet.
3. Practice - His mouth fits exactly round things that are a right angle (like all 4 corners of this box!).
4. Take him round your house seeing what his mouth fits around.
5. Make a list of all the things you find that are an exact right angle (remember they have to have straight edges)

What shape am I?
Make a guessing game.

Whitney says,



I have a 3-D shape with
2 square faces and 4
rectangular faces.

What shape does Whitney have?

Write a description of a 2D or 3D shape on a card. Use the words vertices, sides, faces. Straight, curved, 2D/3D ect. Give 3 clues on each card.

Make at least 6 different cards.

Challenge 2 people in your house to guess the shapes. You could even make a score board and a prize for the winner!

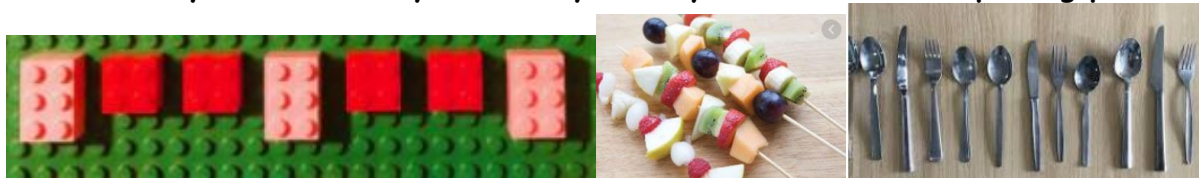
Repeating patterns

Look at this pattern

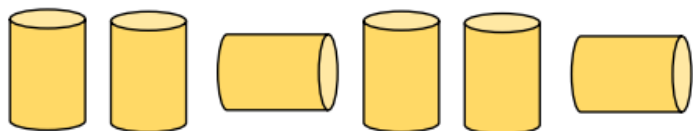


What would be the next shape? Can you continue it across your page?

Look around your house can you find any items you could make a repeating pattern with? e.g. lego, fruit, toys, clothing, cutlery etc



Challenge:



Can you make your own repeating patterns using only one 3-D shape?

Shape word mats

2D Shape Word Mat



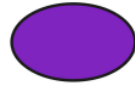
circle



rectangle



triangle



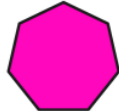
oval



octagon



square



heptagon



rhombus



pentagon



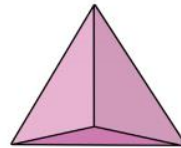
hexagon



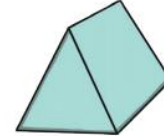
kite



square-based pyramid



tetrahedron



triangular prism



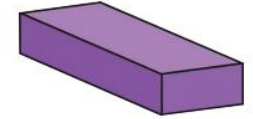
cube



cone



cylinder



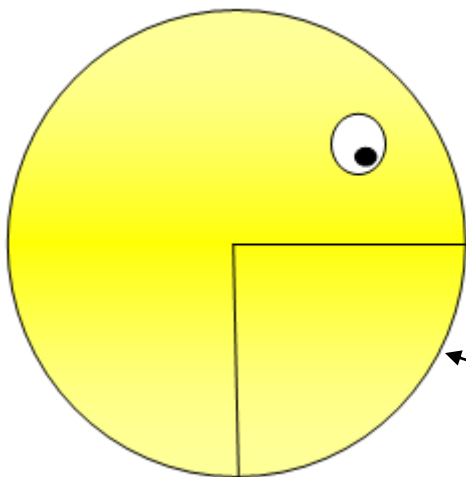
cuboid



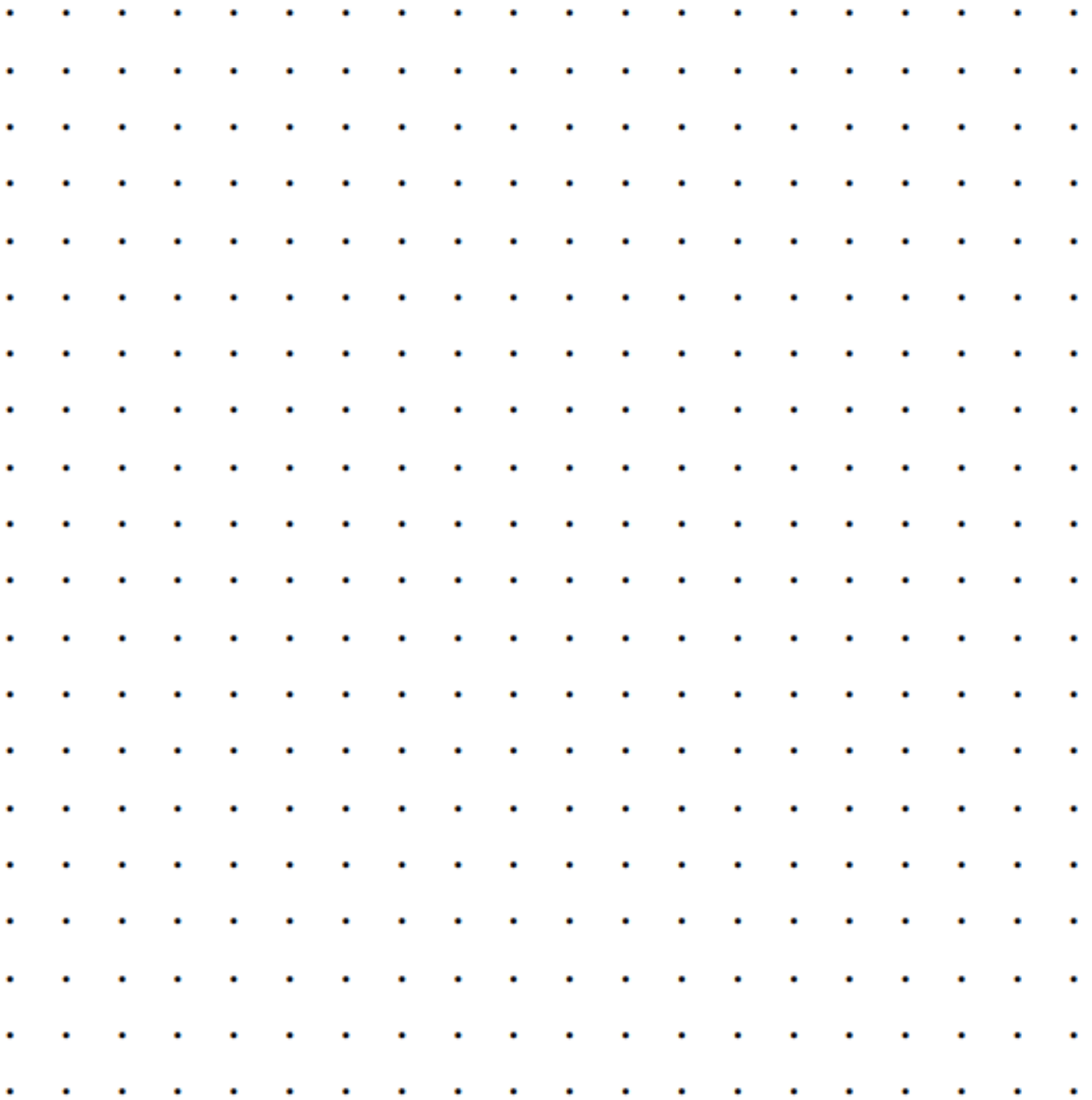
sphere

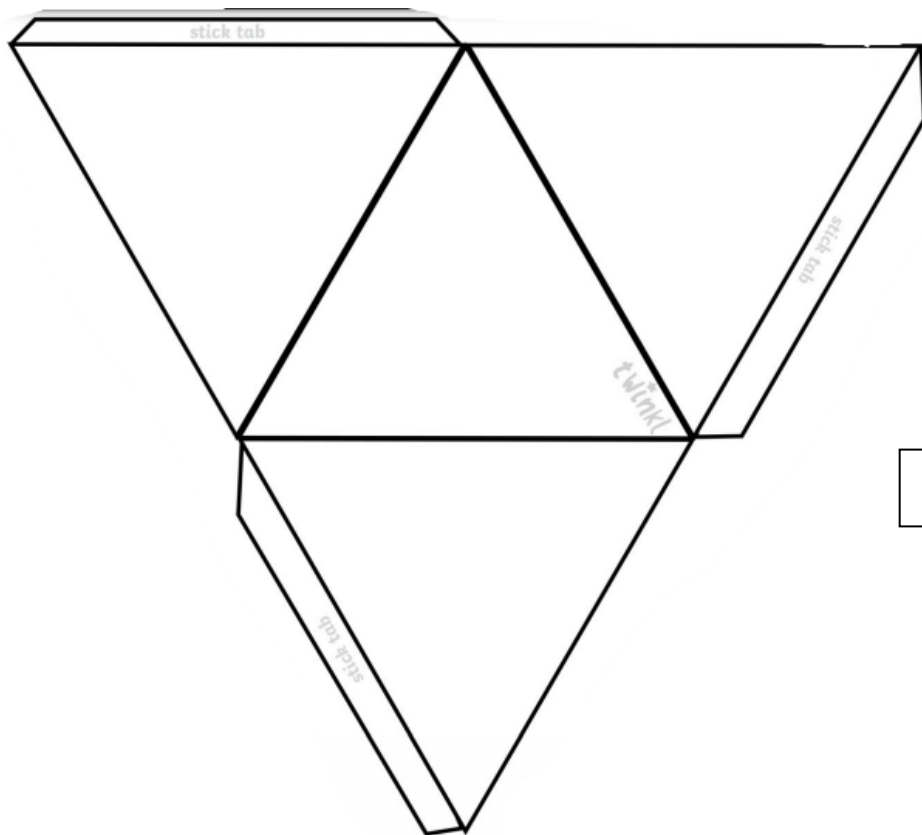
3D Shapes

Right Angle Eater - Cut me out and take me around your home to find Right Angles.

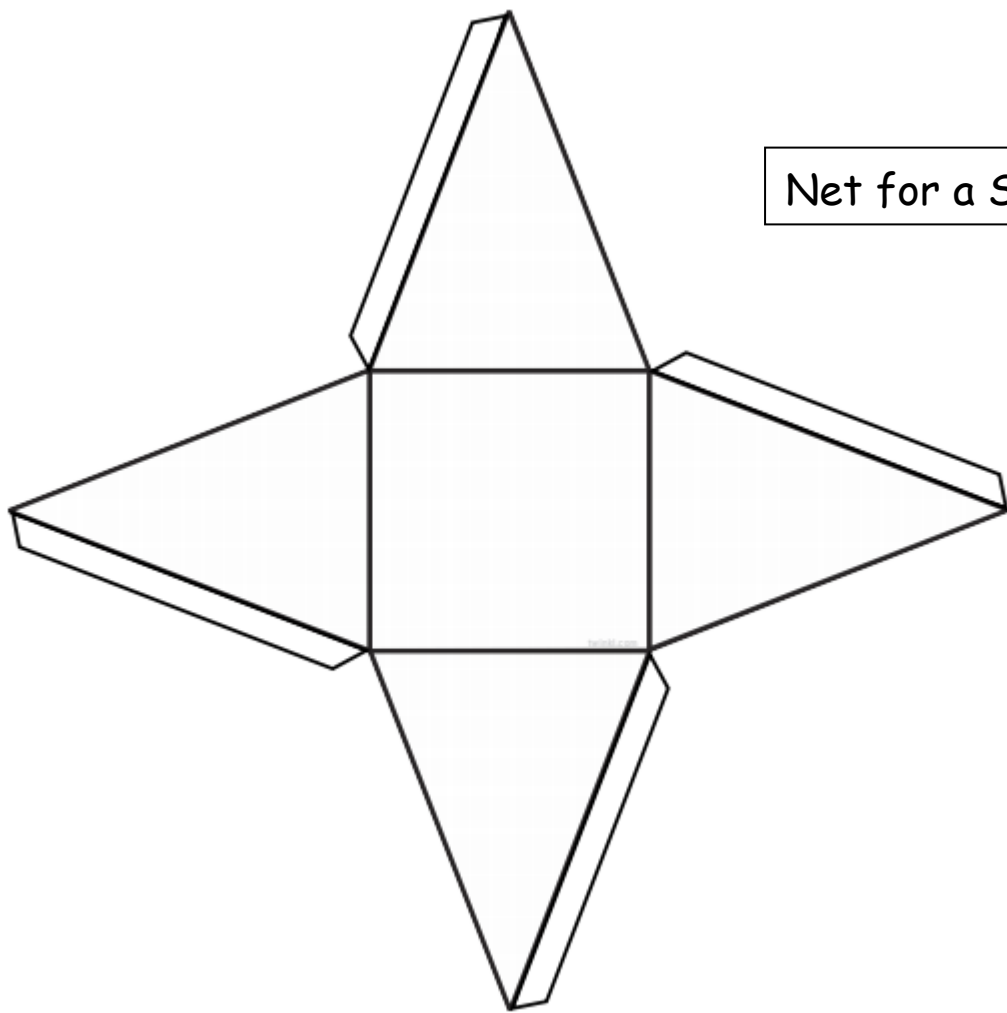


Cut out this part





Net for a Tetrahedron






Net for a Square Based Pyramid

English

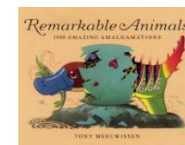
Sequence One - Non-Chronological Reports

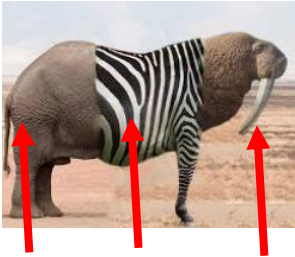
Text: Bog baby by Jeanne Willis Listen to the story read by the author here <https://www.youtube.com/watch?v=44Ds1r7PP00>

Read and respond	Features of a Non Chronological Report	Appearance (expanded noun phrases)	Habitat	Behaviour
<p>Listen to or read The Bog Baby.</p> <p>Answer these questions about the story you heard.</p> <p>Where did they find the Bog baby?</p> <p>What did he look like?</p> <p>How did he move? (find the verbs - what did he do when they first saw him?)</p> <p>How did he feel when they touched him?</p> <p>What were his wings like?</p> <p>What happened to him when they kept him at their house?</p> <p>What 3 things is he not meant to do?</p> <p>At the end, where is he happy?</p> <p>What do bog babies like to do?</p> <p>Challenge : Write a book review for it.</p>	<p>This week we are going to be writing a Non- Chronological report all about the Bog Baby. Our report is going to tell the reader</p> <ul style="list-style-type: none"> • What he looks like (appearance) • Where he lives (habitat) • How he behaves (behaviour) <p>Have a look at this Non-Chronological report about Meerkats (attached) so you can see what the final report will look like.</p> <p>Subheadings are titles for sections that are underlined. Circle these things and label them.</p> <ul style="list-style-type: none"> • Paragraph about apperance • Paragraph about habitat • Paragraph about his behviour • Well-chosed adjectives • Subheadings x 3 	<p></p> <p>Take a careful look at the pictures of the Bog baby in the story (attached)</p> <p>Look at these sentences about him. They are very simple.</p> <p><i>Bog baby is oval. He has 2 eyes. His wings are on his back. He has a tail at the back. He has fingers and toes. His skin is a colour. His mouth is closed.</i></p> <p>Re-write these sentences adding adjectives to describe him. Remember this could be the colour, the size, the feel/texture, the look, temperature, etc. You could even say things look like things e.g. his wings look like petals.</p> <p>Challenge - can you add two adjectives with a comma? Like this. Mrs Ellison has shiny, blonde hair.</p>	<p></p> <p>Read the Habitat section of the Meerkat report. Habitat - is where it likes to live.</p> <p></p> <p>Write a description of where a Bog baby chooses to live.</p> <p><u>Include</u></p> <p>The type of pond, what is around the pond, what is in the pond, what the water is like, where he finds food there, where he sleeps there.</p> <p>Don't forget you are allowed to imagine any details that are not in the book.</p> <p>Challenge - Can you add a sentence to say where they DON'T like to live?</p>	<p>This is the final section of your Non-Chronological Report.</p> <p>Look at the last page of the story. This is what Bog babies love to do (How they behave).</p> <p>Using what you learnt from the book and your imagination can you describe what Bog babies do?</p> <p>You could include</p> <ul style="list-style-type: none"> • How they play • How they get food • What they do for fun • Who looks after the children • How they move <p>Make sure you write in full sentences.</p> <p>Challenge: Can you use your learning and work so far to create a complete Non-Chronological Report about the Bog baby?</p>

Sequence Two - Non Chronological Report
Text Remarkable animals by Tony Meeuwissen

You might want to get this book to inspire you - but work can easily be completed without this.



<p>Non Chronological Report - Research</p> <p>Make up your own animal Look at the mixed up animals ideas attached. Can you work out what animals they are a mixture of? Label them with the animal names. Like this:</p>  <p>Elephant Zebra Walrus</p> <p>Then make up a name for the animal, like the Ele-Ra-Rus! Make up your own mixed up animal, either draw one, print pictures of animals and stick them together, or even use a computer app like https://switchzoo.com/newzoo/zoo.htm Give it a name. Challenge make more than one example and choose your best one.</p>	<p>Non Chronological Report - Section 1 Appearance</p> <p>Look at your new animal. This week you are going to be writing a non-chronological report all about this animal.</p> <p>Today you need to describe its appearance in detail. Use the subheading 'Appearance'. For example <i>The Ele-Ra- Rus has piercing, white teeth that stretch down for 60 centimeters. Its large, brown eyes keep a look out for danger. If you touched his skin you would feel the dry, rough bumps that cover his bald head. But be careful, he could get angry at any point!</i> Take each part and describe it in full detail. Challenge yourself to use at least one new adjective today (list of ideas attached).</p>	<p>Non Chronological Report - Section 2 Habitat</p> <p>Decide where your animal will live. You could get some clues from what it looks like e.g. if it has wings it might fly, fins it might live underwater, etc. You might want to draw a picture of its habitat first.</p> <p>Today you need to write a section about your animal's habitat. Use the subheading 'Habitat' then write in full sentences where it will live. For example <i>The Ele-Ra-Rus lives in the hot dry African Plains, but is often found near a waterhole. While it has an advanced water storage system, the head loves to be near water. It can often be found dunking its head in the water and flicking water at its huge body. At night it will find shelter under the branches of trees to avoid bad weather.</i> Challenge - Include where it would NOT like to live.</p>	<p>Non Chronological Report - Section 3 Behaviour</p> <p>Finally, make a plan about how your animal might behave. Draw or write about how it would do each of these things: How would it catch its food? What would it eat? Would it live alone, in pairs, or in a group? What would it be hunted by? How would it protect itself? How and where would it sleep? What would it do for fun? How would it move? Who would look after the babies? Challenge - add anything else that you think your animal would do.</p>	<p>BIG Write Write your own Non-Chronological Report about your made up animal.</p> <p>Either: Write the final section of your report (Behaviour) up in full sentences to explain how it would behave. Include a title saying what animal it is and a picture or your animal. OR: write all 3 sections of your report onto one page (template attached if you want to use it).</p>
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Additional Activities

Spellings Year 2 words

Choose 5 of the **Year 2 words** attached and learn them in one of these fun ways

Write each of your spelling words. You will need a blue coloured pencil. Trace over the vowels in each word with your blue coloured pencil.

Vowels = a e i o u

OR

First write each word in pencil. Then trace over each word three times. Each time you trace, you must use a **DIFFERENT** colour crayon. Trace neatly and you will see a rainbow!

Reading - poems

Using the poetry archive online (<https://childrens.poetryarchive.org/explore/?age=251>) or any poetry books find a poem that you like.

Then either

- Copy it out in your best handwriting
- Learn it off by heart
- Perform it and make a recording and send it to us

Challenge - Decide who your favourite poet is We like Micheal Rosen and Allan Ahlberg. Do you like these poets?

Spelling activity - Common homophones

Homophones are words that sound the same but have different spelling and meanings. If possible watch:

<https://www.bbc.co.uk/bitesize/topics/zqhp2p/articles/zc84cwx> Use a dictionary to help find the meaning.

Write each word in your book and underneath draw a picture to remind you of the meaning.

One won

See sea

To too two

Where wear

By buy bye

Flower Flour

Their there they're

Challenge: Then get someone to give you a spelling test using the word in a sentence.

Reading into a picture



What is type of vegetable can you see?



Do you think the small ones know the big one?



What do you think the book is about?

EXT: write the first part of the book he is reading

Pictures of Bog baby in his natural habitat



A Book Review

Title: _____ Author: _____

Plot What happens? Did you find the plot interesting? Are there any plot twists?

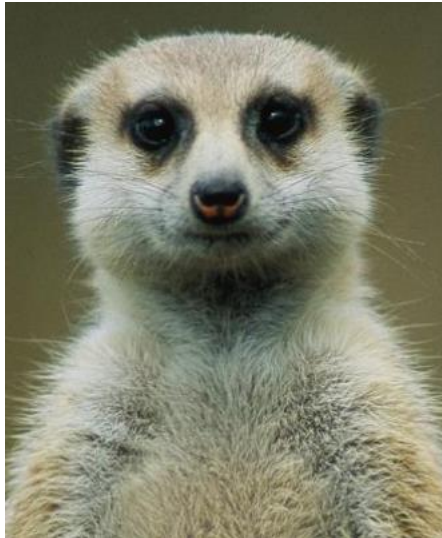
Characters Who are the main characters? Who was your favourite character? Why?

Your opinion Did you like the book? What was your favourite part? Why?

Recommend Would you recommend this book to a friend? Why or why not?

Meerkats

Sunny is a meerkat. Meerkats are a member of the mongoose family and live in hot dry countries.



Appearance

They are extremely cute. They have bushy, brown-striped fur and a small, pointed face. Most have large eyes which are surrounded by dark patches. On average they are about 50 centimeters long, including their tail.

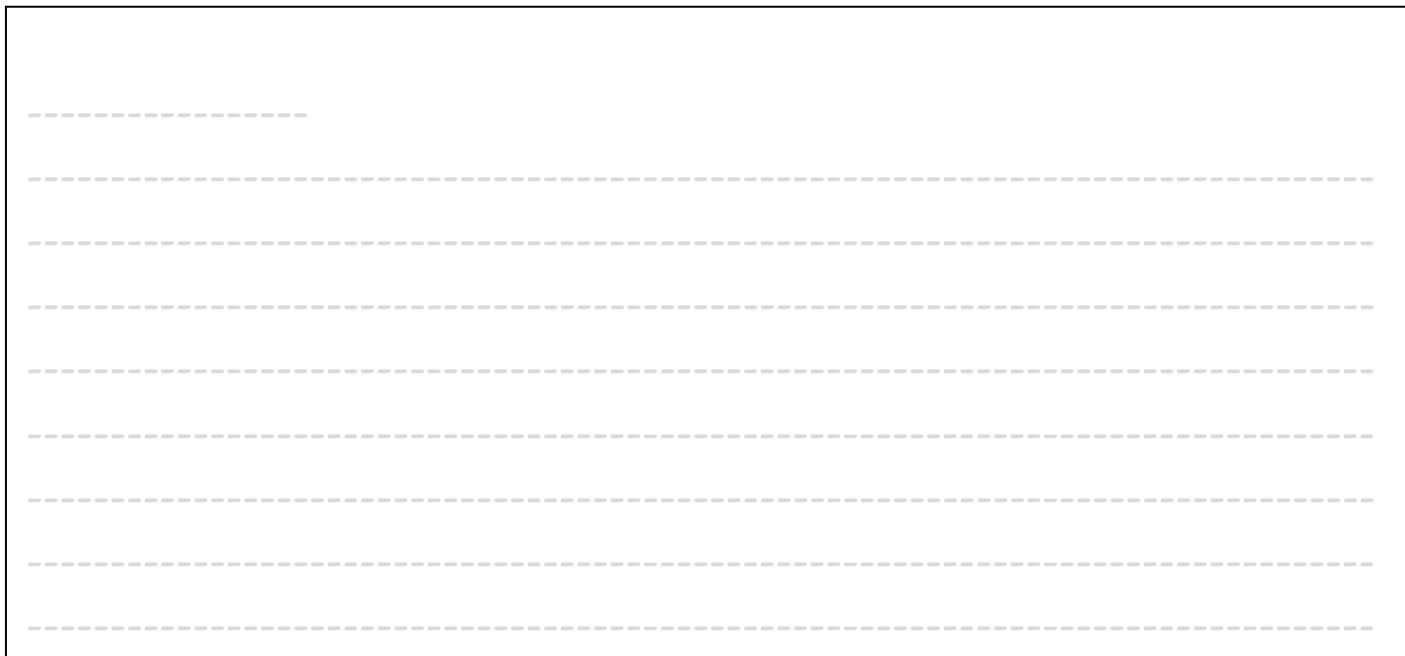
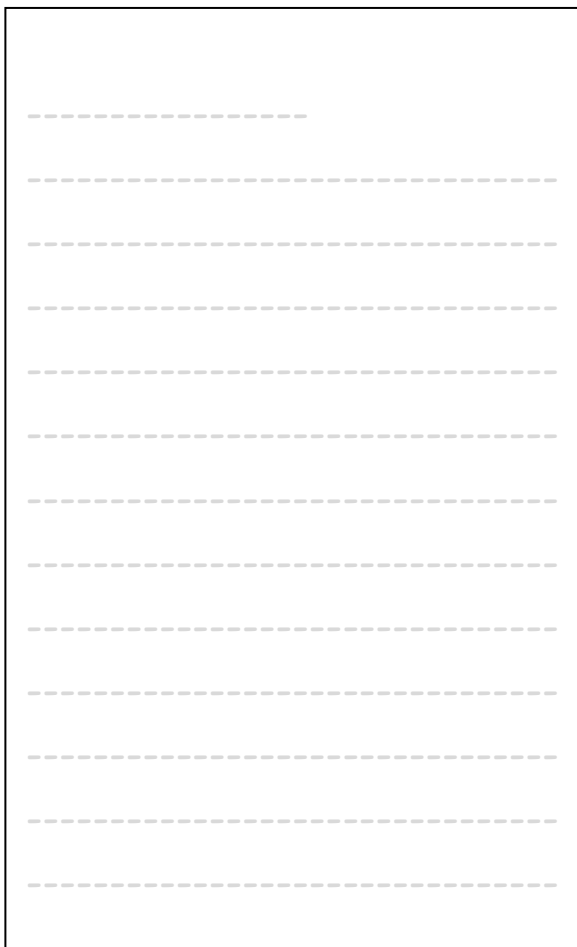
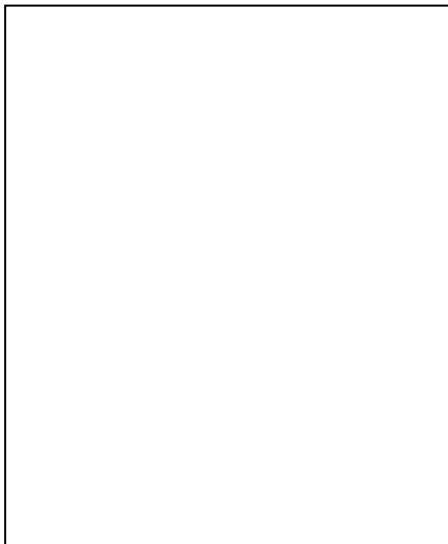
Habitat

Meerkats live in the deserts and grasslands of the southern tip of Africa. These extremely social animals live together in burrows, which they dig with their long, sharp claws. Burrows are large rooms and tunnels that they build under the ground. This keeps them safe from things that might like to eat them. These burrows can be 5 meters long and have more than one entrance.

Behaviour

Meerkats are very sociable animals, this means they like to live in big groups, called mobs. Sometimes there are up to 40 of them living together. What a big group! Everyone in the mob helps doing jobs like gathering food, keeping a look out for predators, and taking care of the babies. Aren't they kind to each other?

Meerkats only go outside during the daytime. Each morning, as the sun comes up, they begin to look for food. They use their sense of smell to locate their favourite foods, which include beetles, caterpillars, spiders, and scorpions. They also eat small reptiles, birds, eggs, fruit, and plants.



Mixed up animals ideas



Adjective ideas for description

Shape

broad
chubby
crooked
curved
deep
flat
high
hollow
low
narrow
round
shallow
skinny
square
steep
straight
wide

Size

big
colossal
fat
gigantic
great
huge
immense
large
little
mammoth
massive
miniature
petite
puny
scrawny
short
small
tall
teeny
teeny-tiny
tiny

Touch

boiling
breezy
broken
bumpy
chilly
cold
cool
creepy
crooked
cuddly
curly
damaged
damp
dirty
dry
dusty
filthy
flaky
fluffy
freezing
hot
warm
wet

Year 2 - Common Exception Words

door	floor	poor	because	find	kind	mind
behind	child	children	wild	climb	most	only
both	old	gold	cold	hold	told	every
everybody	even	great	break	steak	pretty	beautiful
after	fast	last	past	father	class	grass
pass	plant	path	bath	hour	move	prove
improve	sure	sugar	eye	could	should	would
who	whole	any	many	clothes	busy	people
water	again	half	money	Mr	Mrs	parents