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We hope that you enjoy the lessons in this book which have been carefully planned by our TTS Teachers. We have created these to support and compliment the home learning provided by schools. It is in no way intended to replace the brilliant curriculum materials your child's school will have created – but as a little something from us to you to support your child when learning at home.

All resources have been written by qualified teachers and using TTS resources. Please respect our intellectual property by keeping this pack together as it was intended and not republishing it in any way for commercial gain. Please feel free to share the free download with anyone who may benefit from it!

It is recommended that children undertake a Literacy and Numeracy task everyday plus one other lesson from another subject area. The lessons have been designed to be "pick and mix" so you do not need to follow any particular order.

Try to find a quiet place for your child to work, ideally at a table, with limited distractions.

Remember that all children work at a different pace and if you feel they are getting restless move on to another task and you can always revisit an activity later.

Encourage your child with their work and ask lots of questions, some of our lessons offer a great opportunity to learn together and share the experience. Remember to encourage your child to hold their pen/pencil correctly, think about the presentation of their work and take their time.

Use the opportunity of working at home to develop independence, perseverance, problem solving skills and creativity. Children will love the opportunity to show you what they are capable of as they work through the activities in this book. Remember, the most important thing is for children to enjoy these activities and have fun!

Reading Log

Date	Title	Page	Comments

Diary

Monday	
Tuesday	
Wednesday	
The same of our s	
Thursday	
Friday	

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

The Chocolate Factory

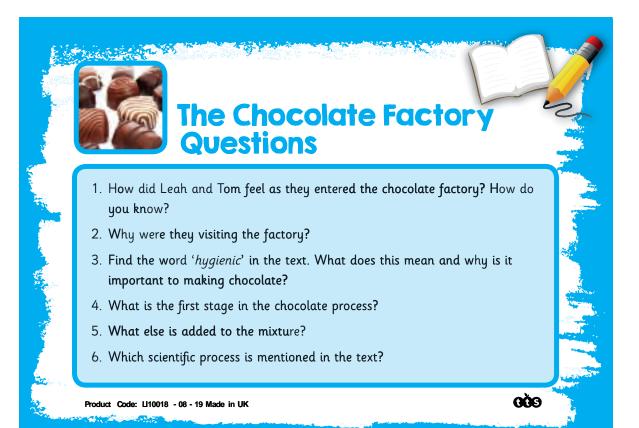
The Chocolate Factory

"How lucky are we?" asked Tom as he and Leah entered the chocolate factory. "I know!" replied Leah. "I can't wait to get to the tasting part!"

Tom and Leah had won a prize in their school fair raffle, which was to visit the local chocolate factory. After putting on hairnets, to keep the chocolate hygienic, they were shown how the chocolate starts as cacao beans. The beans were roasted in ovens to bring out the flavour and the colour. Then the beans were processed to remove the shell and make the cocoa powder and the cocoa butter.

Leah and Tom watched in amazement as these were mixed together with the sugar, vanilla and milk. The melted chocolate was then put into moulds, to solidify into bars and chocolates. Then the tasting began. "Hmm, delicious!" said Leah happily. "Definitely worth the wait!"

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Literacy Activity I

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Draw your ideal chocolate and label with ingredients	

What is fingerspelling?

Fingerspelling is a way of spelling words using hand movements and is a part of learning sign language. Each letter of the alphabet has a different sign. British Sign Language (BSL) uses a two-handed version, whereas others, such as American Sign Language (ASL) use only one.

Why should we learn it?

It would be wonderful if all children were taught to fingerspell. Firstly, it can be picked up very quickly and is great fun! Everyone loves the idea of secret codes and this is like learning a code. The vowels, for example, are indicated by pointing to each finger in turn, starting with the thumb – a, e, i, o, u.

Secondly, it is a new and different way to learn the alphabet and practise spelling. Children will have better understanding of the fact that words are made up of vowels and consonants.

Last, but not least, children will be able to communicate in a small way with a deaf or hearing impaired person and would better appreciate the communication difficulties they face.

Fingerspelling is only a part of learning sign language, but getting children to try it might encourage them to want to know more.

Questions:

1. What is fingerspelling?
2. What does the acronym BSL stand for?
3. Name the 5 vowels in the English language.
4. What are the final 5 consonants in the alphabet?
 Look carefully at the fingerspelling alphabet opposite. First, practise signing your name then try other words and perhaps a whole sentence.



BRITISH SIGN LANGUAGE - FINGERSPELLING



Literacy Activity 2

Once there was an old man who lived high up on a mountain far away in Japan. All around his little house the ground was flat and the soil was good. Here were the rice fields belonging to all the people who lived in the village at the foot of the mountain. Beyond the village was the blue sea, so close that there was no room for anything but houses. The old man lived with his grandson, Yone. The child loved the rice fields and he often helped his grandfather to watch over them because he knew that all the good food for the villagers came from there. One day, the grandfather was standing on his own looking down at the village and the people going about their business. He was thinking how beautiful the scene was when something caught his eye far out to sea. It was as though a huge cloud was rising and as if the sea itself was lifting into the sky. The old man put his hands to his eyes and looked again as hard as he could. Then he turned and ran to the house shouting, "Grandson, grandson! Come quickly! Bring a burning stick from the fireplace!" Yone could not imagine why his Grandfather wanted the fire, but he always did as he was told without question, so he quickly and carefully got the burning wood. The old man grabbed the fiery wand and ran to the rice fields. Yone ran after him and was horrified to see his grandfather setting light to the dry rice in the fields. He thrust the torch in again and again as the stalks turned red, orange and yellow. "Grandfather! What are you doing?" screamed Yone, thinking his grandfather must have lost his mind. Very soon, the field was completely ablaze; the fire spread quickly and black smoke began to creep up the mountain side. It rose thick and dark and in no time the people in the village below saw it and knew that their precious rice fields were on fire. As guickly as their legs could carry them, they ran. Not one person stayed behind. When they came closer, and could see that they were too late to save any of it, they cried and wailed, "Who could have done this? How could it happen?" "I did it," said the old man. "It's true," sobbed his grandson, "My grandfather started the fire." The villagers gathered angrily around the old man, "Why?" they screamed, "Why?" He turned and pointed to the sea. "Look." They all turned to look. There, where the sea had been so beautiful, still and calm, a gigantic wall of water as tall as the sky was rolling in. The people were so aghast at the terrifying sight they could not even scream. The wall of water fell on the village and destroyed every hose and building. The sound was awful. Wave after wave battered and covered the place where the village had been until it was all under the sea. Disastrous as this was, every last person was safe. When they realised what the old man had done, they thanked him and honoured him for his quick thinking which had saved them all from the tidal wave.

Literacy Activity 3

Answer the following questions:
1. Where is this story set?
2. Why did Yone not ask his Grandfather why he wanted a burning stick?
3. What was the danger coming from the sea?
4. Does the story have a message? What do you think it is?
 The Burning of the Rice Fields is a re-telling of a traditional tale. Name 3 other traditional tales.
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Write a scintillating story!



Choose any one of the story starters above and let your imagination run wild! Take time to think about your ideas – you might want to jot down a plan or talk it through with someone. When you are ready, write your story on the next pages.

Literacy Activity 4

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Write a scintillating story!

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Literacy Activity 4

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Poetry

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i –	The Revival of Crumbledown School
	Truth to tell in years gone by, Crumbledown School, no word of a lie, Was an awful place, Full of woe, Where no sane child would want to go. Morale was low, detentions high, Hard to say exactly why Years had passed With no respite, It kept the head awake at night.
	Mr Watkin did whatever he could, But nothing he tried seemed to do much good. Pupils walked with shoulders down, Teachers dull, Their clothes all brown Until one day a girl arrived - 9 years old and In Year 5 - Her name was Sue and she had a dream, Of starting up a football team.
	The PE teacher was sadly lacking, Shrugged his shoulders and Sent her packing "It's a daft idea by any token, And anyway, my whistle's broken." Undeterred, Sue went away, And made a plan that very day, A buzz began Around the school, A football team might be quite cool! A squad was formed that self-same week, So Mr Watkin took a peek, To call them 'chaotic' Would be understating, Even 'a shambles' would be overrating. They lost every game, not just by a few
\	

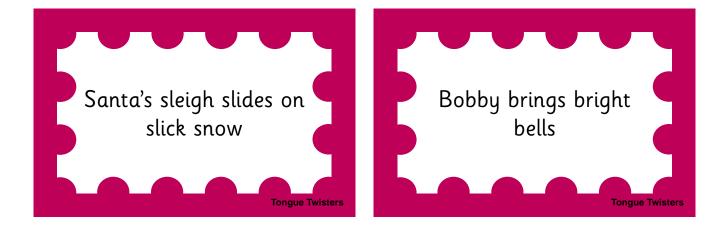
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i i	
1.00	
1	(I believe the last score was 30 to 2)
1	That being said,
1	They never gave up;
1.00	Sue was determined to lift the league cup.
1	5 I
1	Then an odd thought occurred, worth supposition,
1 - C	That important as training
1	Might be their nutrition
	Carbohydrates and protein – they were the key!
1. I.I.	She would plan their whole diet, as strict as could be.
1	So she banned crisps and pop, "Be gone chocs and sweets",
1	And made special veg smoothies
1	With cabbage and beets,
1	And a secret ingredient which nobody knew
1	And Sue won't divulge, not even to you!
÷	And Soc worth divolge, not even to you:
÷	The sensational smoothies made the team more resilient,
i	And not only that -
i –	They were actually brilliant!
i –	
i i	They won every game, getting better each day
i i	And nothing it seemed would stand in their way.
1.00	The children were thrilled by their new reputation
1	And Sue's special smoothies
1.00	Were quite the sensation!
1.00	The school was transformed from where boredom was rife
1	To a place full of energy, vigour and life!
1.1	This half have a mereod construction denotes al
	This tale has a moral, you must understand
	That health and nutrition
<u>.</u>	Work best hand in hand.
1	So please don't ignore what good it can do
1	To eat 5 a day and get exercise too.
÷	Cut your sugar right down, be the best you can be,
÷	You'll feel so much better, just try it, and see!
i	And as for Sue's smoothies,
i –	The word got about
i –	Now it's rumoured that England are trying them out!
i i	
1.00	
N.	ja na selektroni na selektr

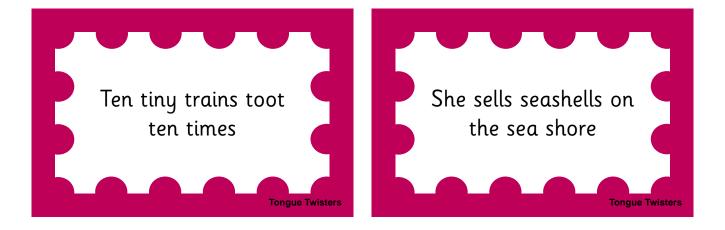
Poetry

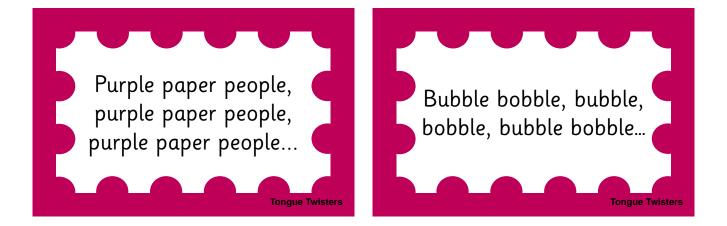
Questions about the poem
1. What is the name of the head teacher?
2. Line four uses the word 'woe'. Think of a synonym for this word
3. How old is Sue?
4. What adjectives are used to describe the football team? Can you think of two others that could have been used?
5. What is your favourite part of the poem and why?
6. Crumbledown School was much improved by having a football team. What do you think would make your school a better place to be?
7. Write a short poem about your school and what you like about it. It doesn't have to rhyme. It could even be an acrostic poem using your school's name, e.g.
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M A R K S

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Write your own poem	
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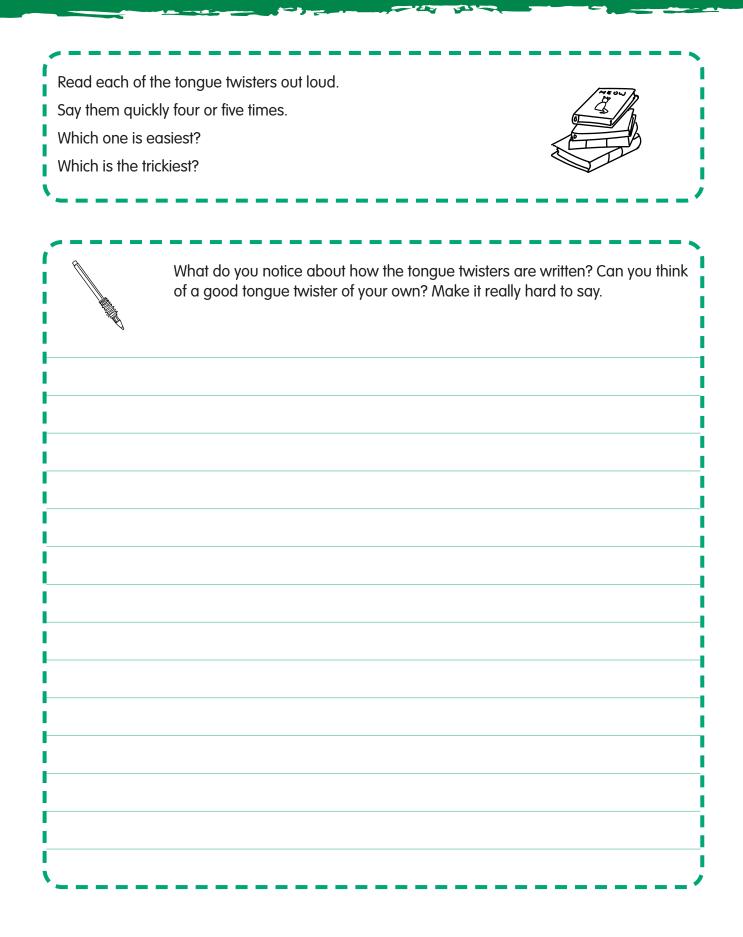
Tongue Twisters







Literacy Activity 8





One of the most well-known English writers is William Shakespeare. He lived in the 16th and 17th Century and many of his plays are still performed today.

William Shakespeare was born at his home in Stratford Upon Avon. We do not know his exact birth date but it is usually said to be 23rd April 1564 because we know that he was baptised on 26th April 1564. He was the third child of John Shakespeare and Mary Arden. His father was a leather merchant and his mother's family owned land nearby. We do not know exactly where or if he went to school but it is likely that he went to the King's New School in Stratford to learn reading, writing and the classics.

On 28th November 1582, William married Anne Hathaway. William was just 18 years old at the time. They had a daughter and later they had twins. After this, little is known about the next seven years of Shakespeare's life. These are called the 'lost years'.

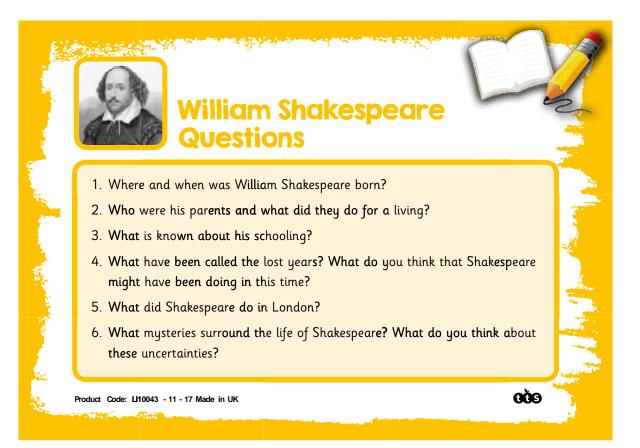
By 1592, William Shakespeare was living in London and working as an actor and playwright. By 1597, 15 of his 37 plays had been published.

Many people believe that William died on his birthday, 23rd April 1616 but we don't know this for certain.

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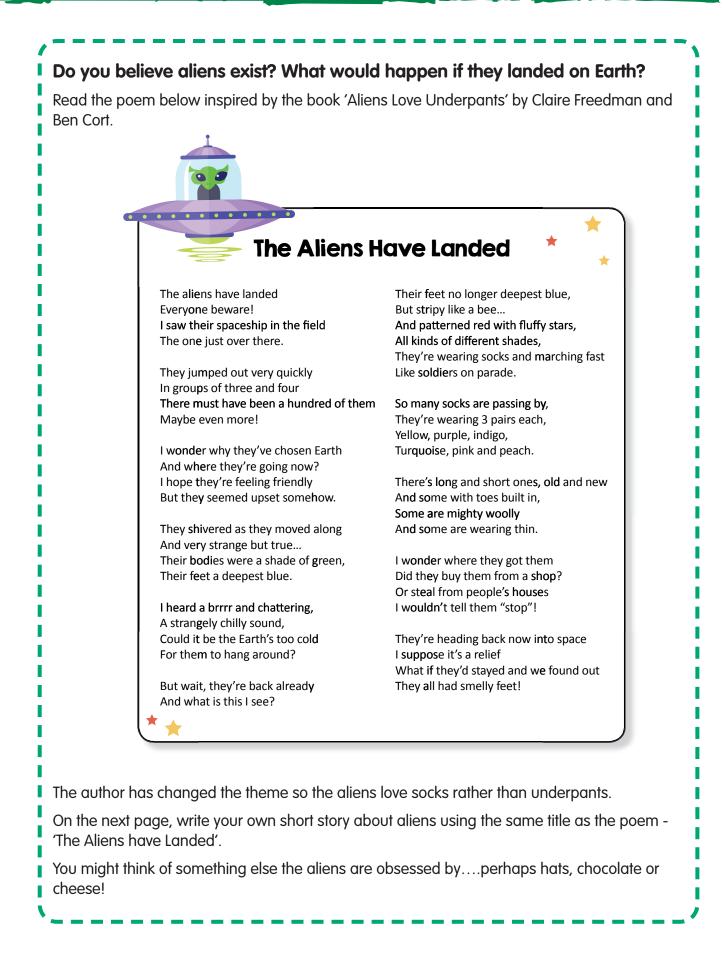
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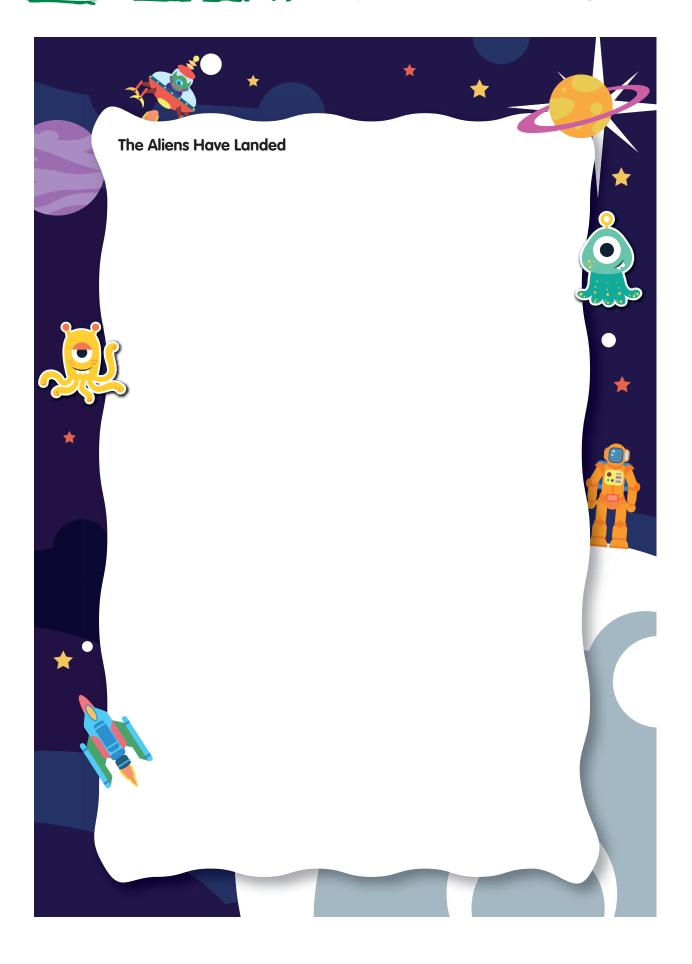
What else do you know about Shakespeare? What plays did he write?

Find out more information and make a fact sheet or a presentation about him to share with your class.

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5	 	
6	 	



Literacy Activity IO

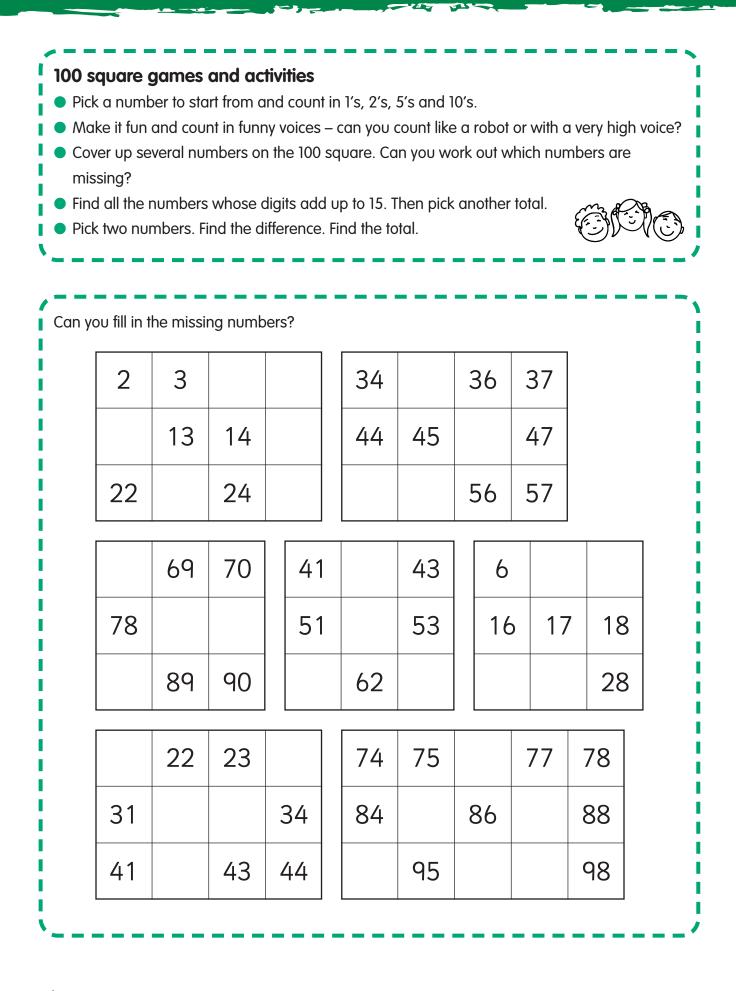


Hundred Square

Let's get familiar with the 100 square!

Try practising some of these activities every day.

1	2	3	4	5	6	7	8	٩	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



It can help us in lots of areas of maths if we can quickly recall our multiplication facts.

Let's get practising our 3x, 4x, 6x and 8x table!

3x	4 ×
$1 \times 3 = 3$	$1 \times 4 = 4$
$2 \times 3 = 6$	$2 \times 4 = 8$
$3 \times 3 = 9$	$3 \times 4 = 12$
$4 \times 3 = 12$	$4 \times 4 = 16$
5 x 3 = 15	$5 \times 4 = 20$
$6 \times 3 = 18$	$6 \times 4 = 24$
$7 \times 3 = 21$	$7 \times 4 = 28$
$8 \times 3 = 24$	$8 \times 4 = 32$
9 x 3 = 27	$9 \times 4 = 36$
$10 \times 3 = 30$	$10 \times 4 = 40$
11 x 3 = 33	$11 \times 4 = 44$
	10 10 10
12 x 3 = 36	12 x 4 = 48
12 x 3 = 36 6x	12 x 4 = 48 8x
6x	8x
$6x$ $1 \times 6 = 6$	8 x 1 x 8 = 8
$6x \\ 1 x 6 = 6 \\ 2 x 6 = 12$	8x 1 x 8 = 8 2 x 8 = 16
$6x$ $1 \times 6 = 6$ $2 \times 6 = 12$ $3 \times 6 = 18$	8x 1 x 8 = 8 2 x 8 = 16 3 x 8 = 24
$6x$ $1 \times 6 = 6$ $2 \times 6 = 12$ $3 \times 6 = 18$ $4 \times 6 = 24$	8x 1 x 8 = 8 2 x 8 = 16 3 x 8 = 24 4 x 8 = 32
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$6x$ $1 \times 6 = 6$ $2 \times 6 = 12$ $3 \times 6 = 18$ $4 \times 6 = 24$ $5 \times 6 = 30$ $6 \times 6 = 36$ $7 \times 6 = 42$	$8x$ $1 \times 8 = 8$ $2 \times 8 = 16$ $3 \times 8 = 24$ $4 \times 8 = 32$ $5 \times 8 = 40$ $6 \times 8 = 48$ $7 \times 8 = 56$
$6x$ $1 \times 6 = 6$ $2 \times 6 = 12$ $3 \times 6 = 18$ $4 \times 6 = 24$ $5 \times 6 = 30$ $6 \times 6 = 36$ $7 \times 6 = 42$ $8 \times 6 = 48$	$8x$ $1 \times 8 = 8$ $2 \times 8 = 16$ $3 \times 8 = 24$ $4 \times 8 = 32$ $5 \times 8 = 40$ $6 \times 8 = 48$ $7 \times 8 = 56$ $8 \times 8 = 64$
$6x$ $1 \times 6 = 6$ $2 \times 6 = 12$ $3 \times 6 = 18$ $4 \times 6 = 24$ $5 \times 6 = 30$ $6 \times 6 = 36$ $7 \times 6 = 42$ $8 \times 6 = 48$ $9 \times 6 = 54$	$8x$ $1 \times 8 = 8$ $2 \times 8 = 16$ $3 \times 8 = 24$ $4 \times 8 = 32$ $5 \times 8 = 40$ $6 \times 8 = 48$ $7 \times 8 = 56$ $8 \times 8 = 64$ $9 \times 8 = 72$

 Learning Tips March like a soldier and chant the multiplication tables e.g. 1x3 = 3, 2x3 = 6 Play multiplication ping pong with one person batting the question and the other batting back the answer. 				
Quick Questions				
1. 2 × 3 =	6. 3 × 3 =			
2. 5 × 6 =	7. 8 × 8 =			
3. 7 × 4 =	8. 1 × 6 =			
4. 6 × 8 =	9. 12 × 4 =			
5. 2 × 4 =	10. 4 × 3 =			
Now try making your own 'quid	:k 10' and test yourself or someone else!			

Try practising your times tables every day!

It can help us in lots of areas of maths if we can quickly recall our multiplication facts.

Let's get practising our 7x, 9x, 11x and 12x table!

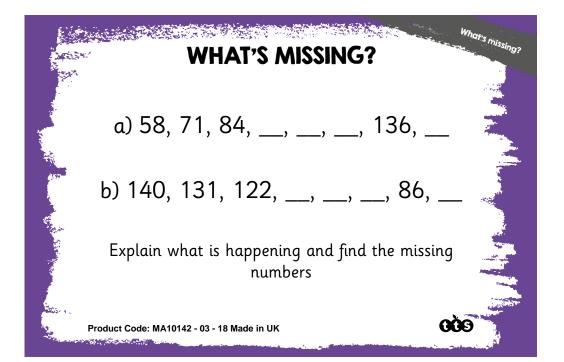
7x	9x
$ \begin{array}{rcrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$1 \times 9 = 9$ $2 \times 9 = 18$ $3 \times 9 = 27$ $4 \times 9 = 36$ $5 \times 9 = 45$ $6 \times 9 = 54$ $7 \times 9 = 63$ $8 \times 9 = 72$ $9 \times 9 = 81$ $10 \times 9 = 90$ $11 \times 9 = 99$ $12 \times 9 = 108$
$11x$ $1 \times 11 = 11$ $2 \times 11 = 22$ $3 \times 11 = 33$ $4 \times 11 = 44$ $5 \times 11 = 55$ $6 \times 11 = 55$ $6 \times 11 = 66$ $7 \times 11 = 77$ $8 \times 11 = 88$ $9 \times 11 = 88$ $9 \times 11 = 99$ $10 \times 11 = 110$ $11 \times 11 = 121$ $12 \times 11 = 132$	$12x$ $1 \times 12 = 12$ $2 \times 12 = 24$ $3 \times 12 = 36$ $4 \times 12 = 48$ $5 \times 12 = 60$ $6 \times 12 = 72$ $7 \times 12 = 84$ $8 \times 12 = 96$ $9 \times 12 = 108$ $10 \times 12 = 120$ $11 \times 12 = 132$ $12 \times 12 = 144$

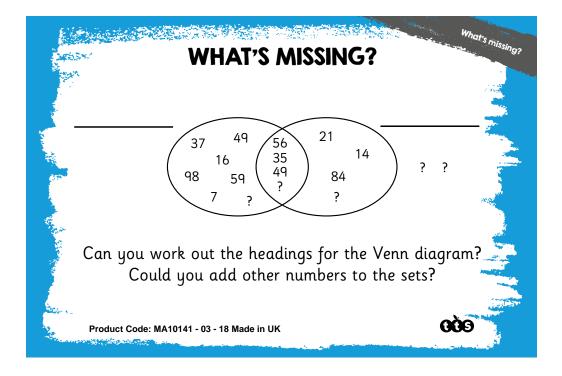
 Learning Tips March like a soldier and chant the multiplication tables e.g. 1x9 = 9, 2x9 = 18 Play multiplication ping pong with one person batting the question and the other batting back the answer. 				
Quick Questions				
1. 5 × 9 =	6. 2 × 7 =			
2. 3 × 12 =	7. 3 × 9 =			
3. 7 × 7 =	8. 10 × 7 =			
4. 8 × 9 =	9. 8 × 12 =			
5. 4 × 11 =	10. 9 × 11 =			
Now try making your own 'quic	the 10' and test yourself or someone else! $\int_{-\frac{1}{\sqrt{-1}}}^{\frac{1}{\sqrt{-1}}} dt$			
Try practising your times tables every day!				

What's Missing?

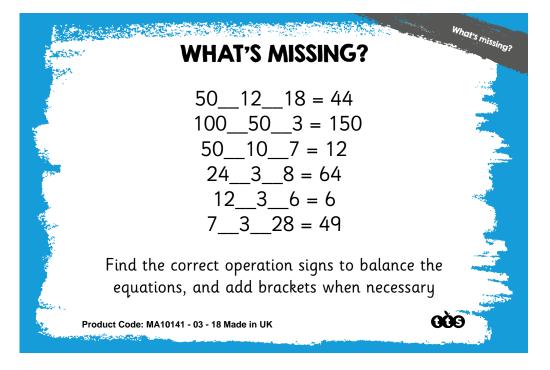
Blue-Bot has been cheeky and stolen lots of numbers and operations. Become a maths detective and see if you can solve these problems and fill in the missing gaps.

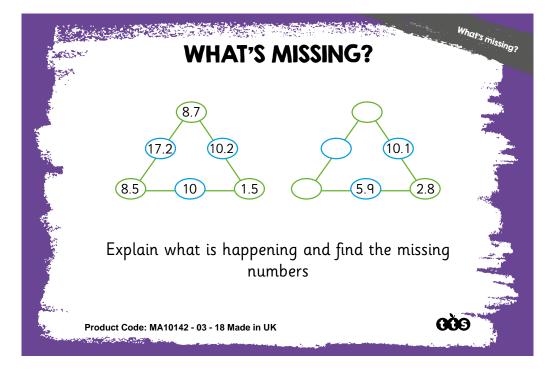






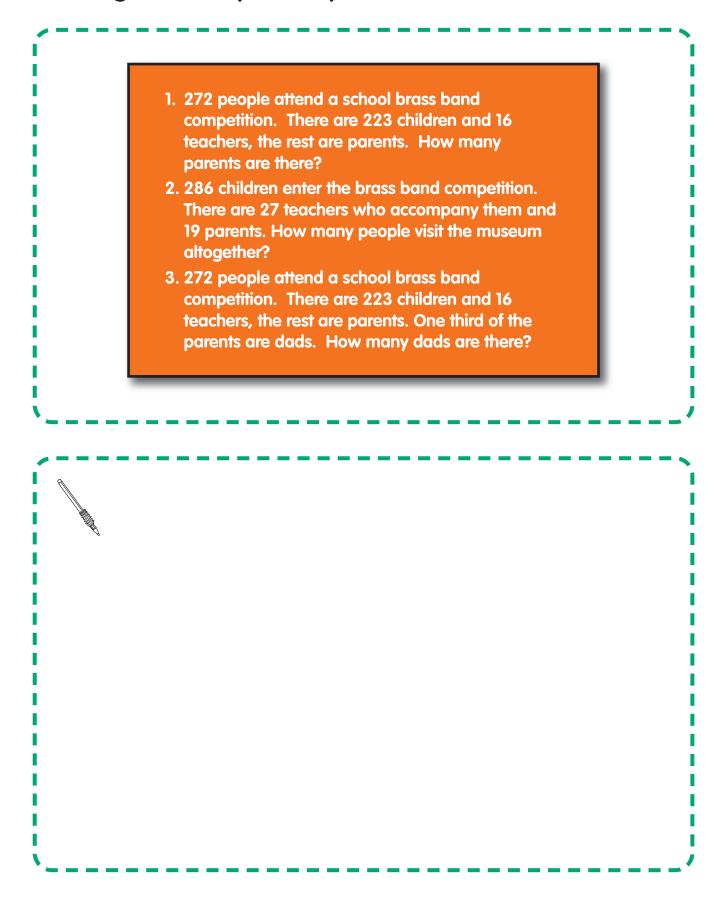


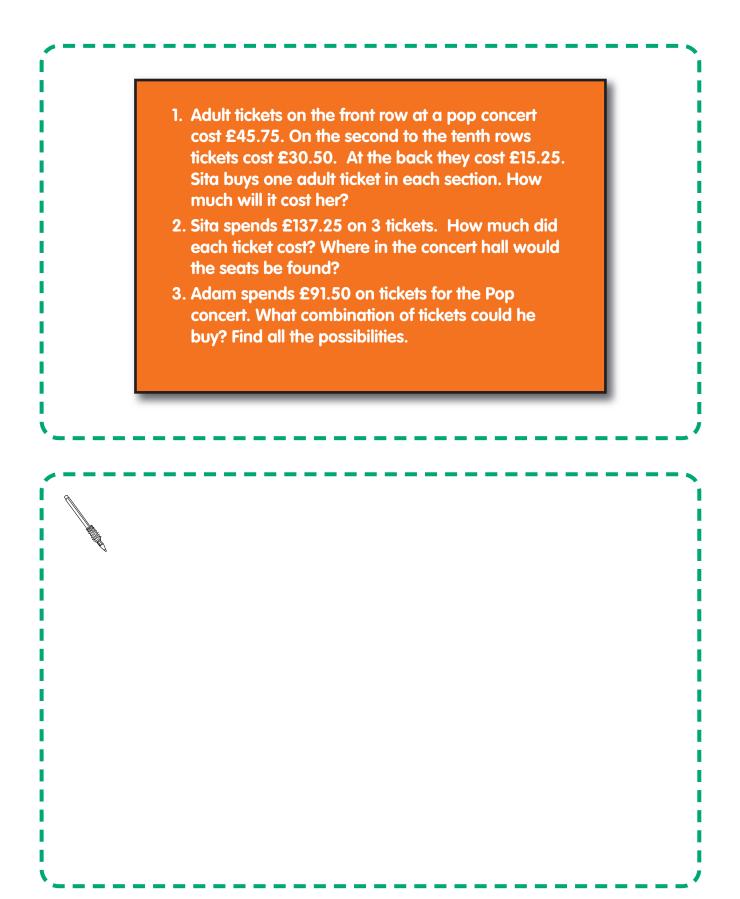




Dip & Pick

Have a go at our Dip & Pick problems...



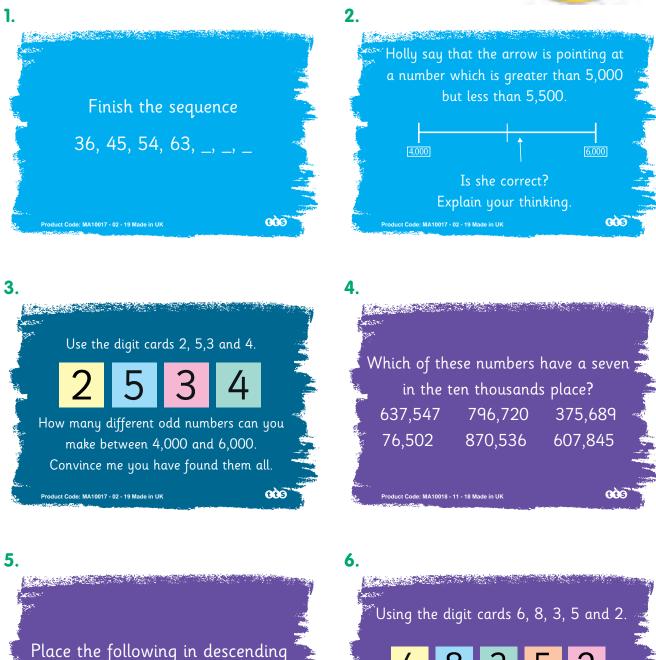


Number and Place Value

Bee-Bot has been struggling with his maths.

Put your maths hats on and see if you can help him to solve these questions.





38 Number and Place Value Maths Activity 6

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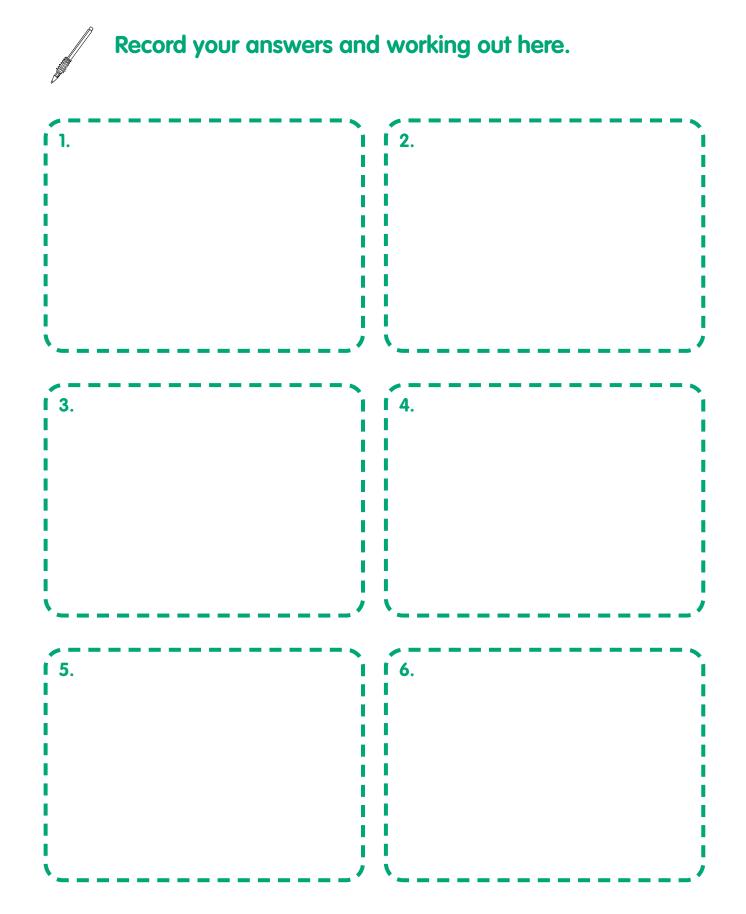
order. 52, -12, 21, -9, 37, -49

HÅ

COS

Make 5 different 5-digit numbers. Place them in descending order.

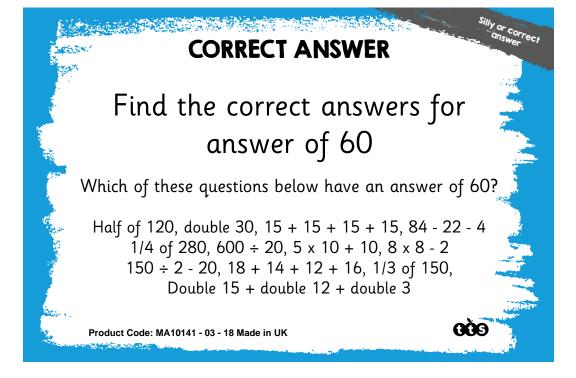
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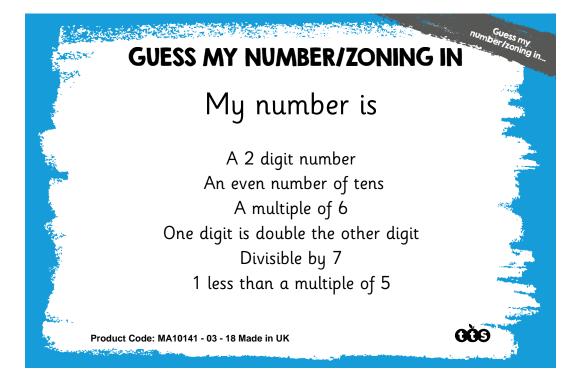


Reasoning

Test your knowledge and combine your mathematical skills to help solve these reasoning problems.

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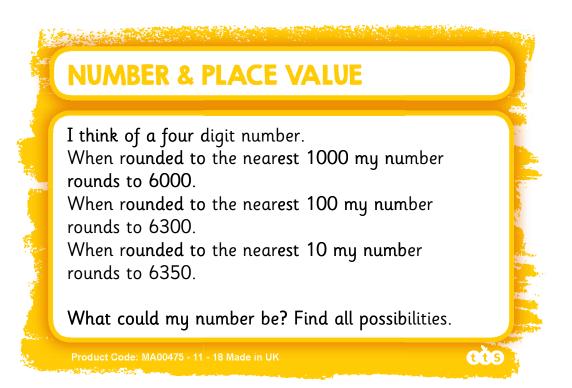




You are a Maths Superstar!

Time to put your superhero cape on and apply your learning to solve these tricky problems!



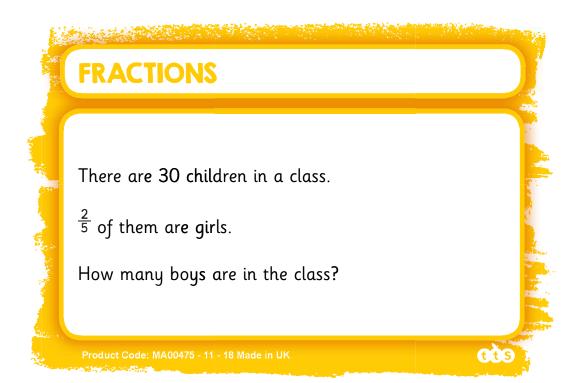




Using each of the digits 2, 7, 4, 5, 1, 3, can you make an addition calculation with the answer 400?

Product Code: MA00475 - 11 - 18 Made in Uk

tt.



MEASURES - MONEY

Kerry bought 3 presents. The cheapest present cost $\pounds 2.80$, the most expensive present cost twice as much and the final present was exactly halfway between the prices of the other two presents.

How much did each present cost?

How much did she spend altogether?

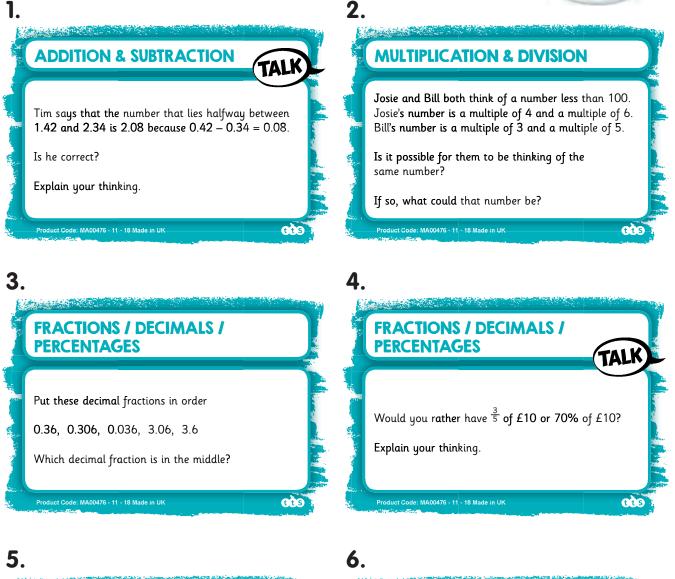
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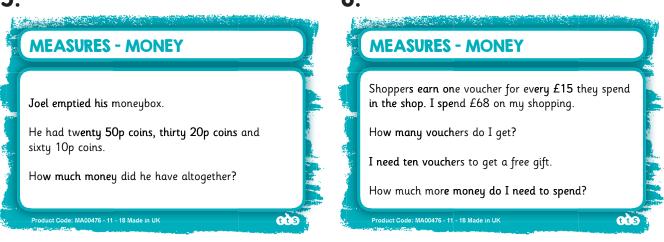
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More Problem Solving

Blue-Bot needs some help to solve these tricky problems ...

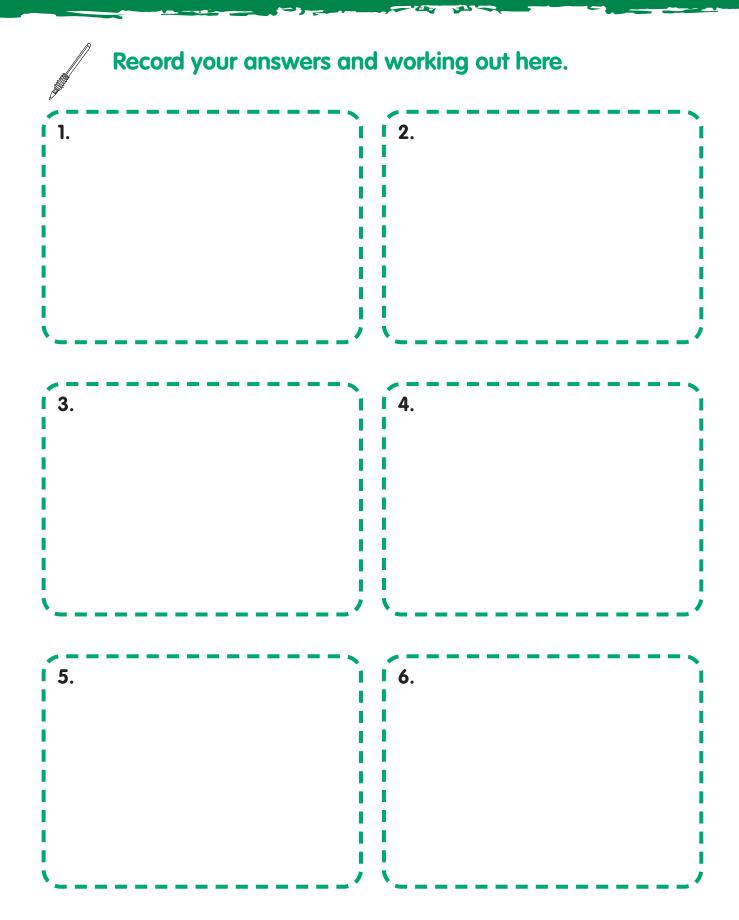








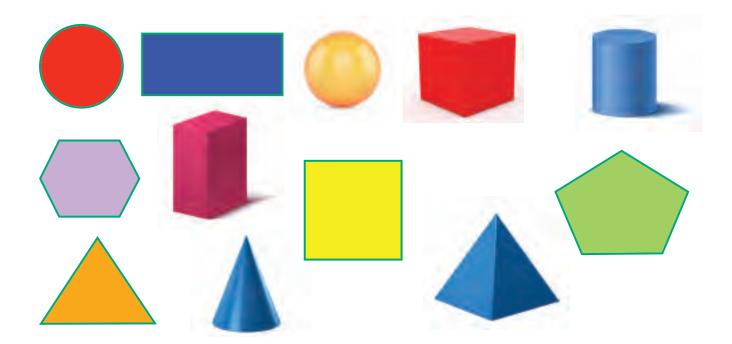
Maths Activity 9

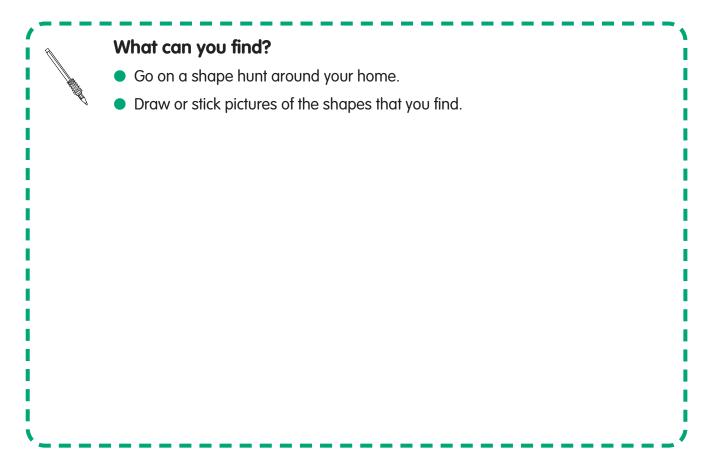


Shape Hunt!

Take a look at the 2D and 3D shapes below and discuss:

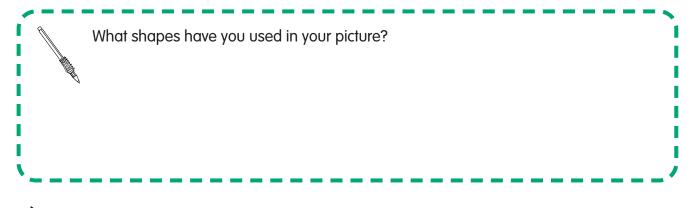
- What are the names of these shapes?
 - Can you name the properties of each shape? (faces, vertices, edges)



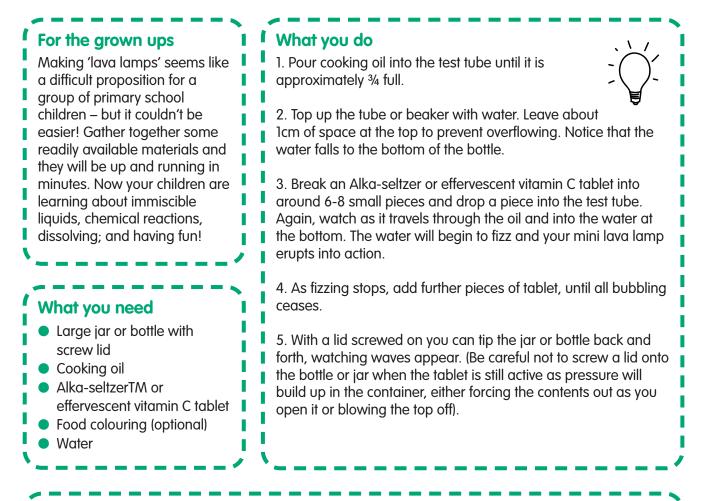


Draw your own picture using 2D and 3D shapes





This science activity will require a few items from your kitchen and an adult to help. Many thanks to **Sue Martin** for this amazing kitchen science lesson.



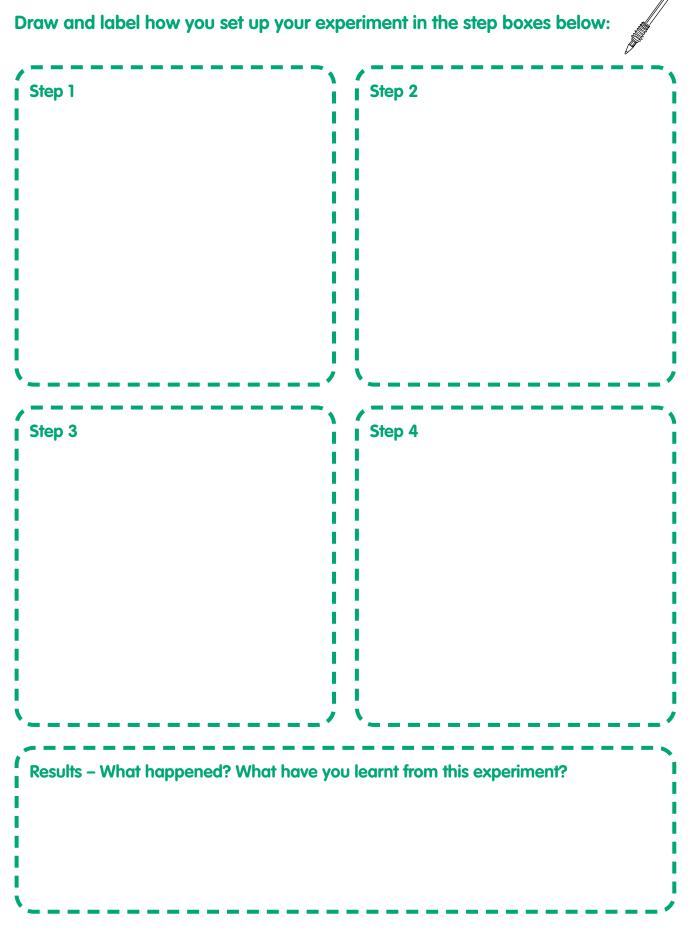
What's happening?

Water and oil are immiscible (they don't mix). Water is also denser than oil (i.e. for the same volume of each, water is heavier than oil). So the water sinks below the oil, which floats on top. Alka-seltzer and effervescent Vitamin C tablets contain chemicals that can only react together when they are wet. They are denser than both oil and water, so fall to the bottom of the test tube.

As soon as a piece comes into contact with the water layer, a reaction occurs between the chemicals, producing carbon dioxide (CO₂) gas. These CO₂ bubbles attach themselves to 'blobs' of the water like floats, causing them to rise to the surface, through the oil layer. There, the gas bubbles pop, the water loses its float and sinks back through the oil to the bottom of the test tube.

This process can continue whilst the tablet continues to react and produce CO2. When the reaction stops, the two layers settle back. If you use Vitamin C tablets, dye (food colouring) is often also present in the tablet. This dissolves in the water layer and produces coloured 'lava'. The children may observe that this occurs over a short period of time rather than immediately. Dissolving is a physical change, which is reversible. The dye is simply dispersed in the water. A few drops of any food colouring may also be added to the bottle if colourless tablets such as Alka-selzer are used and will be observed to dissolve only in the water layer, to create coloured 'lava'.

Once the reaction is over, with a lid on the test tube you can observe the motion of oil and water as you rotate the test tube – the oil layer remains above the water. Even if it is shaken, mixing only occurs



Sailing Boats



WHAT YOU DO:

- Use the felt tip and ruler to draw a boat shape on your pizza disc. Make it as long as the disc and quite wide to help prevent the boat capsizing. Cut out the boat base.
- 2. Place the poster tack on the table and press a bottle lid onto it with the open side downwards. Press down with the pencil to make a small hole in the middle. Don't make the hole too big as it needs to be a tight fit on the skewer.
- **3.** Take out the poster tack and glue the lid down towards the front of the boat base. Push the pointed end of the skewer down through the hole in the lid and into the base.
- 4. Cut the sheet of coloured card so that it is shorter than the skewer, and trim it to your preferred shape. You can decorate it with a felt tip pen. Punch a hole in the middle of the top and bottom, then slide the sail onto the skewer.
- 5. Place the boat in the water tray and blow into the sail to make it move across the water. You can customise your boat by adding a sailor, flag, decorations etc. You could try to help it move faster, for example by changing the shape of the base to make it more streamlined.







STEM Explanation:

Gravity acts downwards on the boat, pulling it down onto the water.

The boat base is made from polystyrene foam pizza disc; this contains lots of little air pockets, making it buoyant so that it doesn't sink.

When you blow into the sail the boat moves across the water.

The resistance of the water (drag) slows the boat down.

If you make the boat more streamlined (e.g. by making the front pointed and rounding off the corners) this reduces the drag so the boat can go faster.

	Draw and annotate your sailing boat here:	
	Explain two improvements you could make to your boat:	
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Egg Parachutes



WHAT YOU DO:

The aim is to construct a parachute to allow an egg to be dropped out of an upstairs window onto a hard surface without it breaking. Here are some suggestions:

- 1. Tie four or more strings near the corners or edges of the piece of thin material so that it will act as a parachute.
- **2.** Use the hard boiled egg initially. Package it well, particularly underneath, to cushion the impact when it lands.
- **3.** Attach the other end of the strings to the egg package or basket without getting the strings tangled up!

Ask an adult to hold the parachute by the middle, with the egg package hanging down, drop it out of an upstairs window onto hard ground (e.g. concrete). Time the descent of the egg and then check whether it has broken.

Modify and improve your design as required; for example you could make a larger parachute to slow the egg down more (time the descent to see if this has increased). You could change the number of strings or re-position them to improve your parachute, and/or use more packaging underneath the egg.

Once you are happy with your design, place the raw egg in the package instead of the hard boiled egg. Once it has descended, check whether the raw egg has broken.



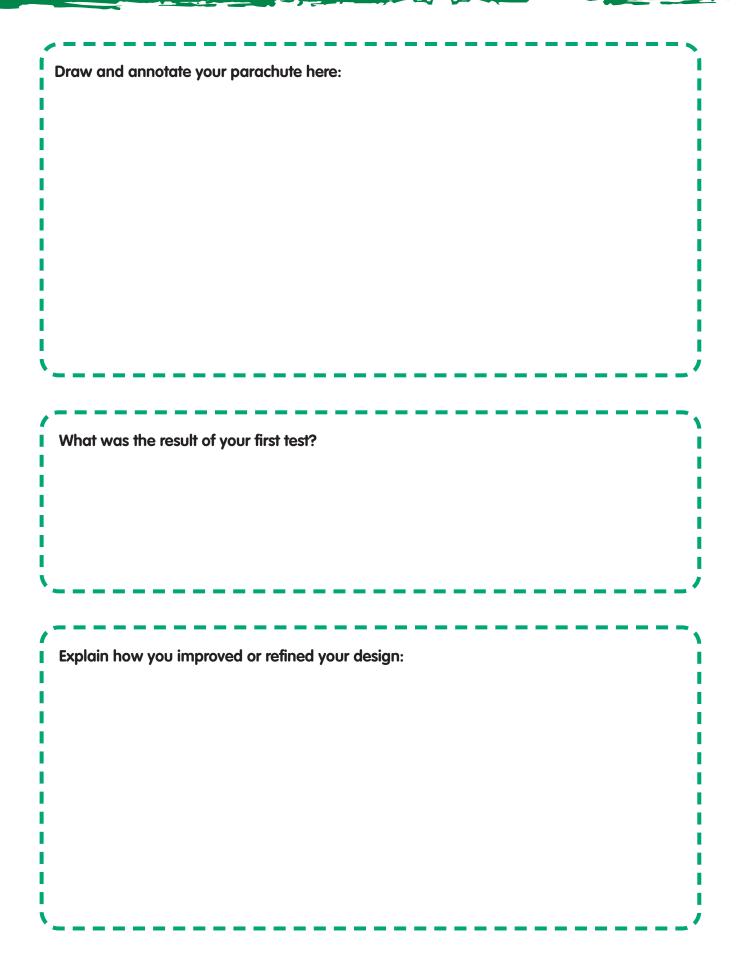
STEM Explanation: The egg and parachute are pulled downwards by gravity.

As they move down the air pushes against them.

The parachute is relatively large; the air resistance gives rise to an upward pull, slowing down the descent of the egg.

The egg must be packaged well to absorb and cushion the impact when it hits the ground.

To prevent the egg from breaking, you can try increasing the air resistance, cushioning the egg better, or both.



Core Movements

Work through these stretching activities every day and fill in your fitness log. Ask your Parent or Guardian to sign off your activity.



PE Activity I

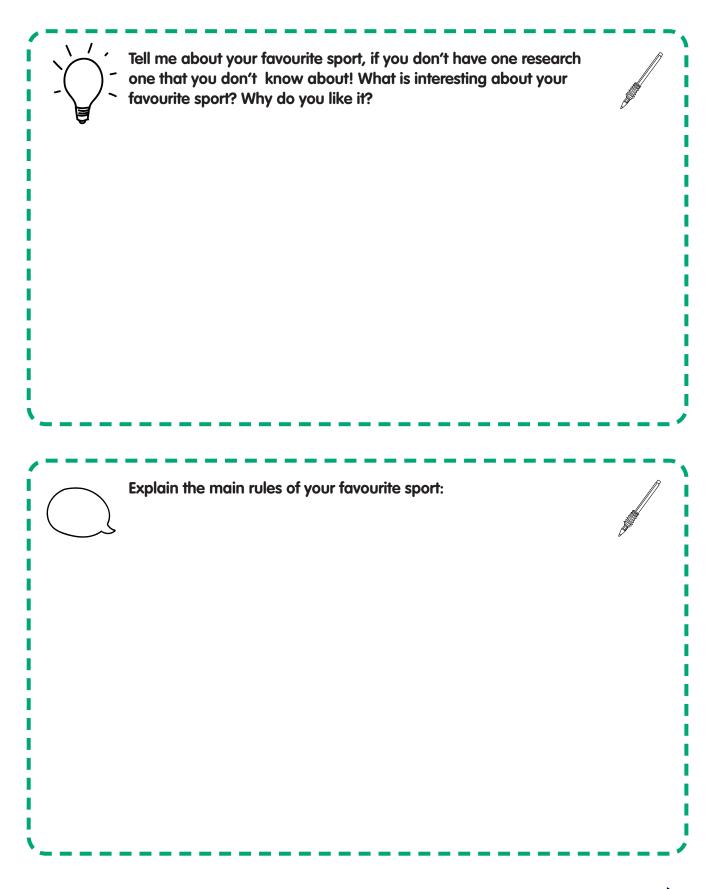


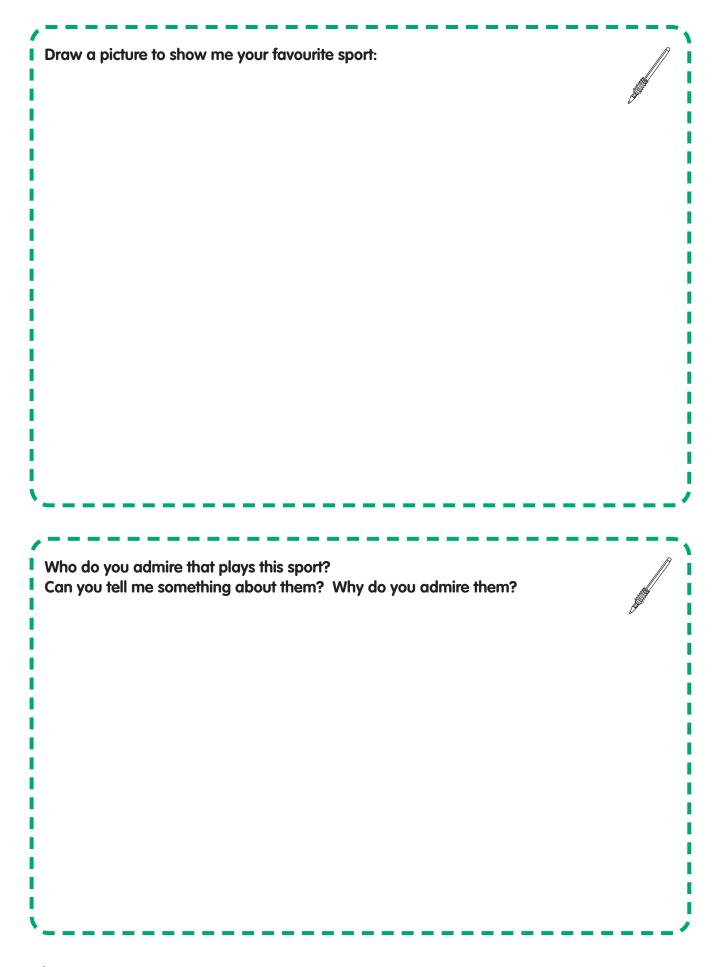


Day	Number of Reps	Signed



Do you play a sport for school? Or as part of a club outside of a school? Do you watch a sport on TV or live sporting events? What is your favourite sport?





The Olympics

The Olympics began in Ancient Greece and ran every four years from 776BC to at least 393AD. The modern Olympic Games also began in Greece in 1896, taking place in Athens.

Over 200 nations now compete in the Summer and Winter Olympic Games which are held every four years.

The Paralympic games are also held every 4 years in the same year as the Summer Olympics and have done since 1960.

The five interlocking rings in blue, yellow. Black, green and white are known as the Olympic rings and was created in 1913.

The rings represent all the colours of the flags in the world.



Activity

Imagine that you are a sports journalist for your local paper and have been asked to report on **an amazing day at the Olympic Games.**

Luckily you have a time machine so you can travel to **any** Winter, Summer or Paralympic Games in either the past or the future.

Write up your article in the box provided – remember to lay it out in a newspaper article format.

PE Activity 3



You have been asked to design a brand new online game suitable for boys and girls aged 7 - 11. The game should have a retro theme like the video games of the 1980's and 1990's.

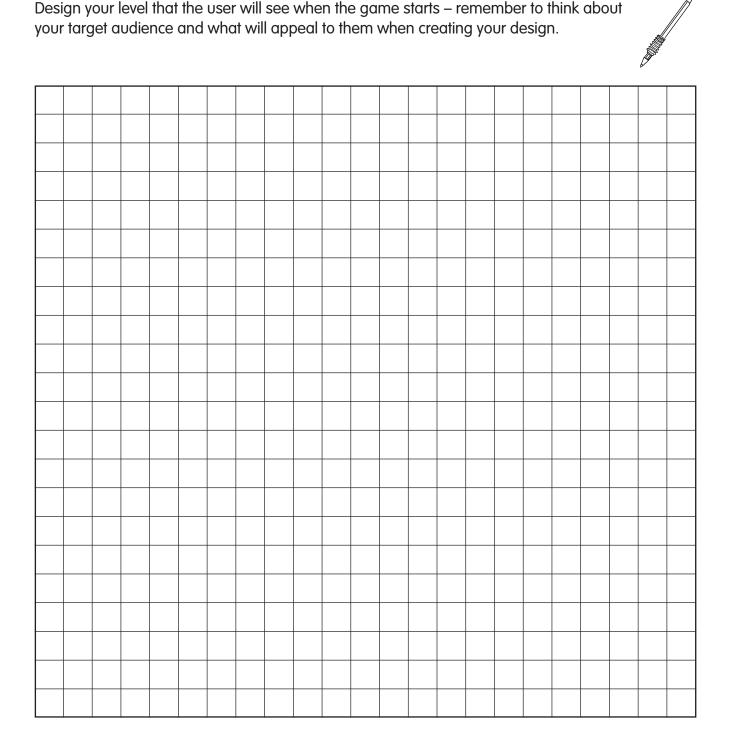


Your first task is to design the Protagonist of your game. As the game will follow a retro theme the hero should be designed in pixels.

Pixels are the tiny dots of coloured light that make up images when displayed on a screen, like a computer monitor.		
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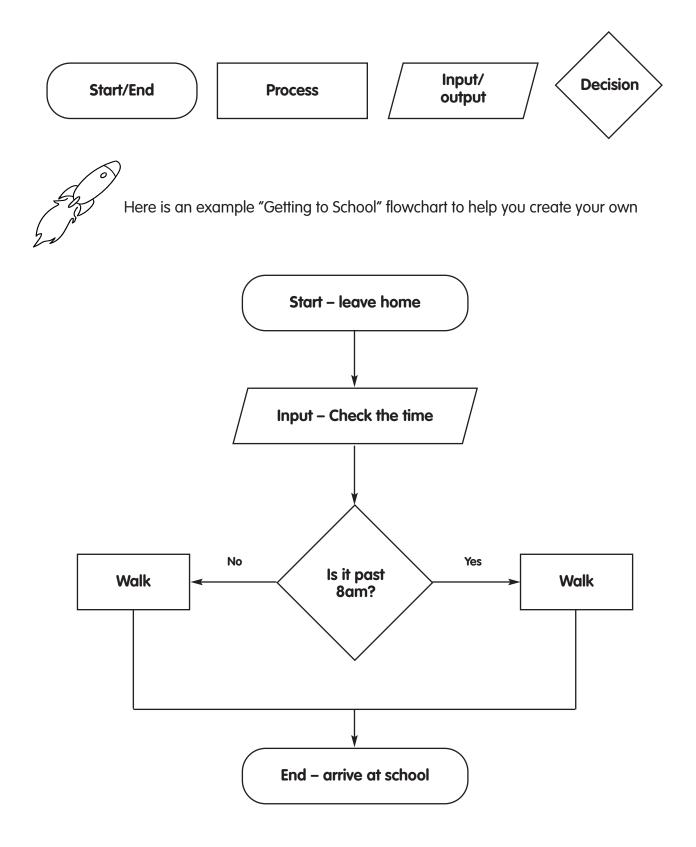
Explain the key elements of the game; what is its name? Where is it set? What is the aim? How do you win/lose?

 Design your level that the user will see when the game starts - remember to think about your target audience and what will appeal to them when creating your design.





Explain how the point system will work which causes you to win or lose the level. Use the flow chart symbols to create a flowchart which explains how the score is calculated.



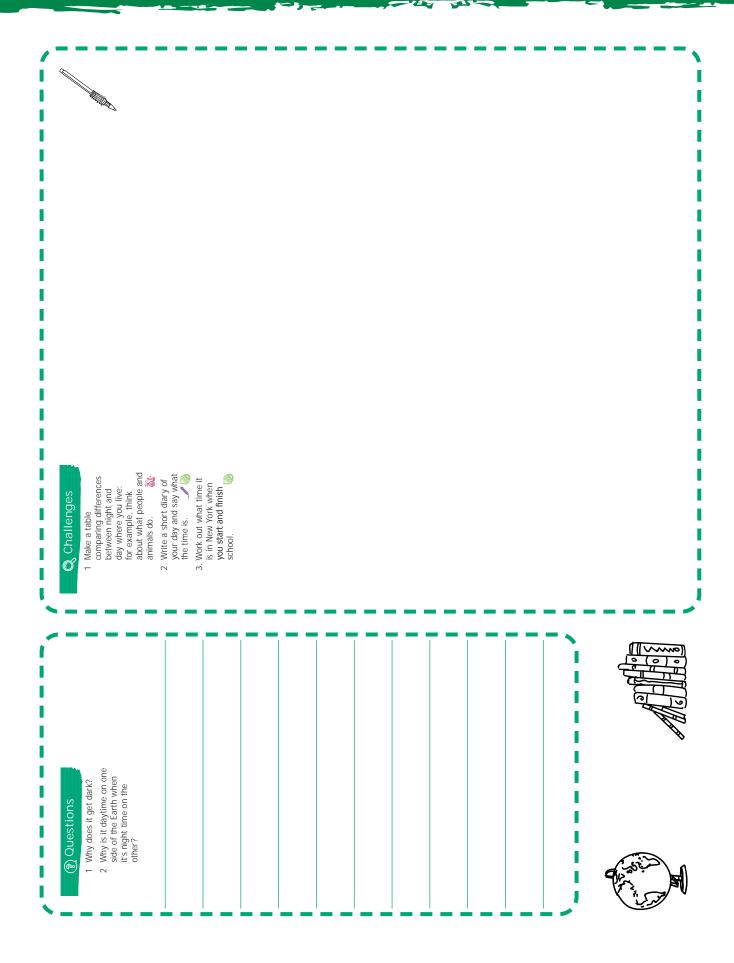
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Design your flowchart here (tip: work in pencil or work it out on scrap paper first)
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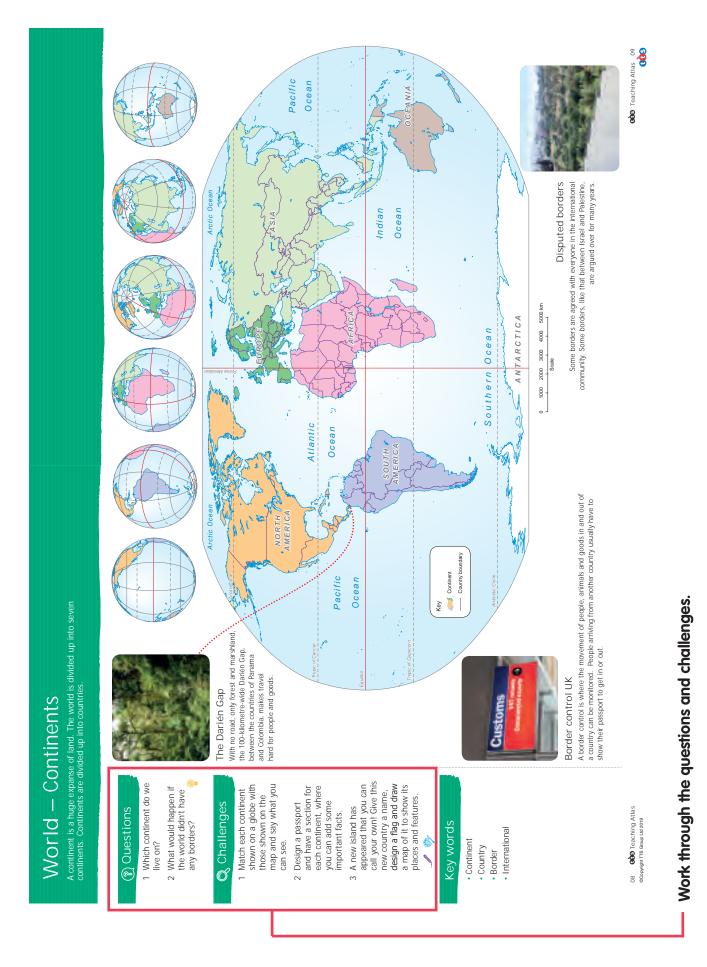
Our World - Night and Day

ເຜືອ Teaching Atlas 05 ເບື້ອ Earth Tokyo 20:00 (+8 hours) Decembe z When you're going to bed someone else is just starting their day! These clocks show the time in different parts of the world when it is midday in London, U.K. S As the Earth makes it's yearly orbit, places tilted away from the Sun get less hours of daylight while those tilted towards it, get more. London Midday 12:00 New York 07:00 -5 hours) Light rays Hours of daylight Los Angeles 04:00 -8 hours) All in a day Sun The Earth spins on its axis every 24 hours. Places which face towards the Sun get daylight. Places which face away from the sun get night. Our planet Earth takes a year to orbit the Sun. As it does this, it spins on its axis once every 24 hours, giving us night and day. Light rays Night and day Night and day June z Earth ഗ 2 Why is it daytime on one side of the Earth when it's night time on the other? 1 Make a table comparing differences between night and day where you live: for example, think about what people and animals do. Our world 2 Write a short diary of your day and say what the time is. Work out what time it 1 Why does it get dark? is in New York when you start and finish Challenges (?) Questions 04 GOO Teaching Atlas ©copyright TTS Groun L#1 2014 Key words school. AxisEarthOrbitSun ć.

Geography Activity I



Continents, Countries and Oceans



QČG

Geography Activity 2

1. Find and list the 5 oceans:		 Find the equator. List the countries that sit on the equator: 	3. Find the country that you live in. Which countries and oceans border your country?	
 Ouestions Which continent do we live on? 	 What would happen if the world didn't have any borders? 			

What a Wonderful World

Create an A to Z of words all linked to our wonderful world! Why not illustrate your A to Z too!	
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Geography Activity 3

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My Family Timeline

A timeline is a listing of events in **chronological order**. This means that the events are shown in the order that they happened.

	Here is an example	e of a TTS Bot Time	line:
January 2008 Bee-Bot was born	a	June 2019 Rugged Robot was born	Manager P
\bigcirc	January 2013 Bee-Bot's brother Blue-Bot was born		January 2020 Rugged Robot had a big adventure and won his first award!

Interview family members to find out key events that have happened in your family, for example births, marriages or first days at school. Write down all of these events and don't forget to record the date!



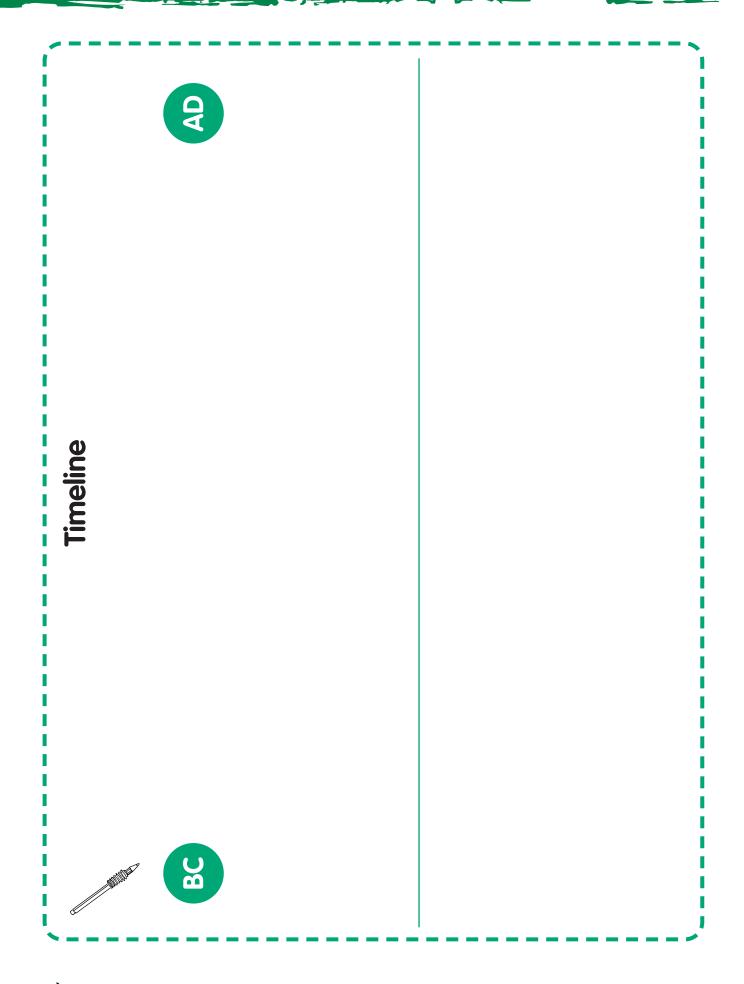
History Activity I

Historical Timelines

There are so many changes in history that influence our lives today. Timelines help us to put these events in chronological order.

 Complete these tasks to create your own historical timeline: Cut out the historical periods on page 101. Stick them in chronological order on your timeline. Research and record at least one key fact about each time period. 						
1						
 Extra Task: Are there any other historical periods or events you can add to your timeline? 						
You may find that different sources give slightly different dates for some time periods. Why do you think this might be?						

History Activity 2



Artefacts

We can learn a lot about the past by looking at artefacts. Historians look closely at artefacts and ask and answer questions to try and discover what it tells us about the past.

Become a Historian and look at these artefacts. Answer the questions and see what you discover about the past.	
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Who might have used it? Why do you think this?	
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History Activity 3

What do you this is and why?	

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Mona Lisa



Art & Design Activity I

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Aboriginal Art

Research Aboriginal art to discover how images can be created using dots and textures. Which other artists used this technique? Can you create your own Aboriginal art in the box opposite?



Art & Design Activity 2

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# **Materials**

The items in our house are made from different materials! Can you go on a material hunt around your house? Tally up in the boxes below the amount of items made of each material:



### Title of your graph:

Wooden	Metal	Cardboard	Fabric	Glass	Plastic

#### Which material is there most of in your home?

Plot your findings on the graph – remember to label your Y axis and add a title. How could you plot your results if your tally exceeds ten per material? 月

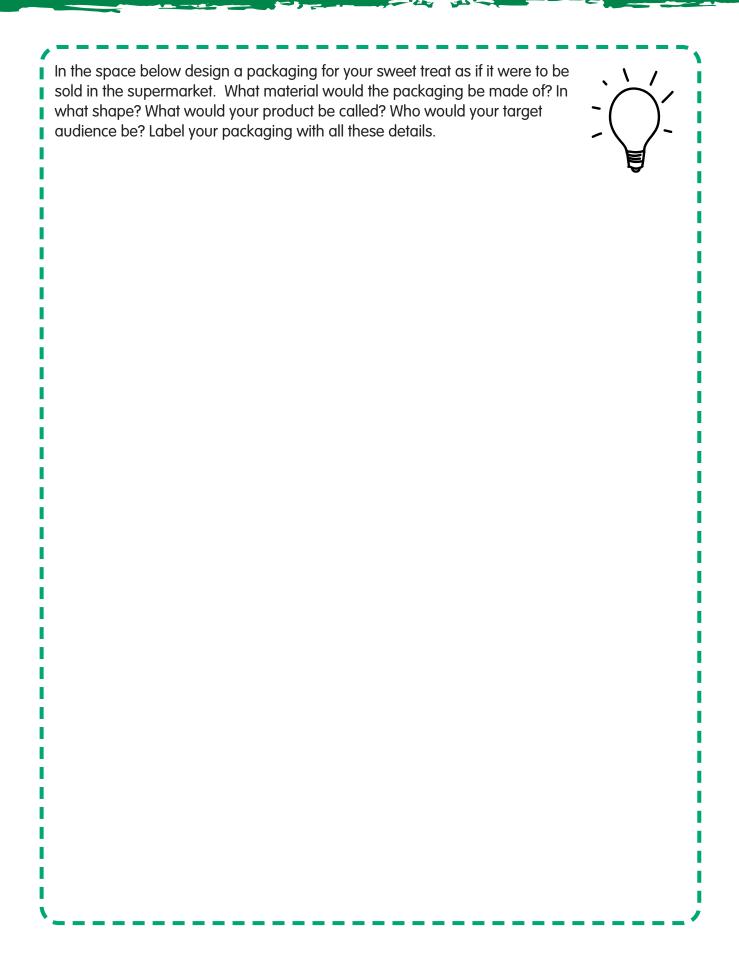
# No bake recipes

With the help of an adult have a go at one (or both!) of these delicious no bake recipes at home.



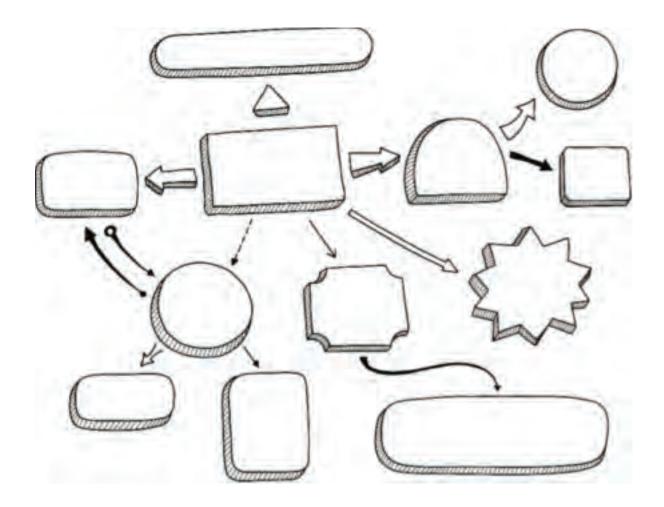
120 g butter 2 cups caster sugar 2 tbs cocoa (sifted) 1/2 cup milk 1/2 cup Nutella (Or any other chocolate spread) 1 tbs vanilla extract 21/2 cups rolled oats 21/2 cups Rice crispies sprinkles	<ol> <li>Line a backing tray with baking paper and set aside.</li> <li>With an adults help: in a large saucepan melt the butter then add sugar, cocoa and milk. Whisk together and bring to the boil. Boil for one minute. Remove from heat.</li> <li>Add the Nutella, vanilla, rolled oats and rice crispies to the pan and combine well.</li> <li>Pour into slice pan and smooth flat with the back of a metal spoon. Scatter over your choice of sprinkles. (I used coated chocolate chips.)</li> <li>Refrigerate until set. This will take about 3 hours. Cut into squares with a sharp knife.</li> </ol>
15 digestive biscuits 15 marshmallows 15 glacé cherries, cut in half about 200ml condensed milk 100g desiccated coconut, to coat	<ol> <li>Crush the digestive biscuits in a food processor or in a plastic bag with a rolling pin, then put them in a large mixing bowl.</li> <li>Chop each marshmallow into 4 pieces and add to the bowl with the cherries and 175ml condensed milk. Mix until the ingredients are well combined and you have a sticky mixture. If it's too dry, add a splash more condensed milk.</li> <li>Sprinkle most of the coconut over a large piece of cling film (or foil). Tip the mixture onto the coconut and shape into a long sausage, about 30 x 5cm.</li> <li>Sprinkle more coconut over the top of it and wrap the cling film tightly around, twisting the ends together.</li> <li>Leave in the fridge to chill for 4-6 hrs, then cut into 15 slices and serve. Will keep in the fridge for up to 1 week wrapped in cling film.</li> </ol>

### Design & Technology Activity 2



# Write a song about your town

You have been asked to write a song about your local area to encourage tourists to visit. Use the space below to list all the places, festivals, landmarks etc. that could feature in your song. Think about the instruments you could use in your song – it could be to the score of a popular existing song.



### **Music Activity I**

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# Write a song about your town

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### **Music Activity I**

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# Blue-Bot est en vacances au ski

### Key word list



un coca



un café



une salad



Un chocolat chaud



un crêpe



Le vin rouge



un jus d'orange



des frites



un glace



une limonade



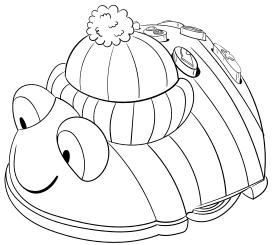
un croissant



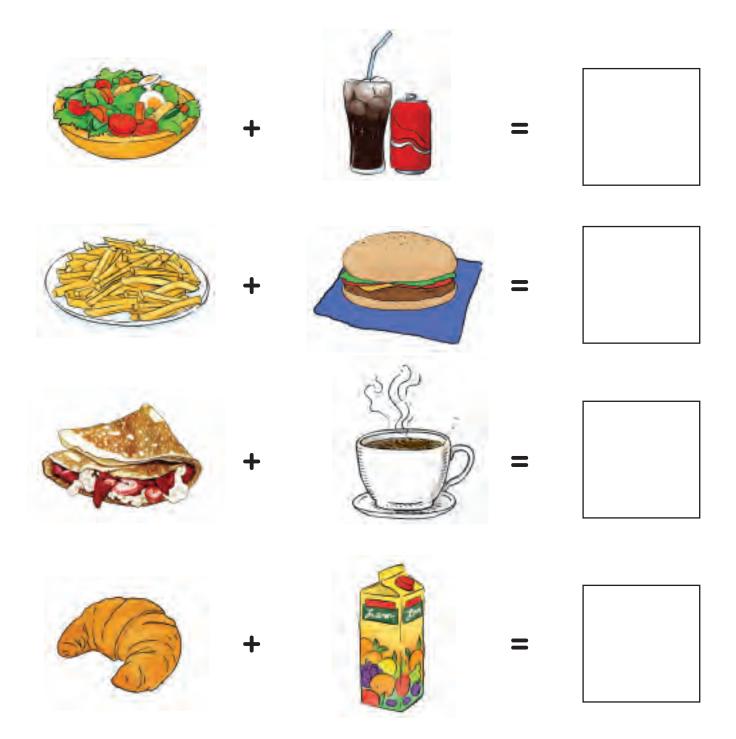
un hamburger

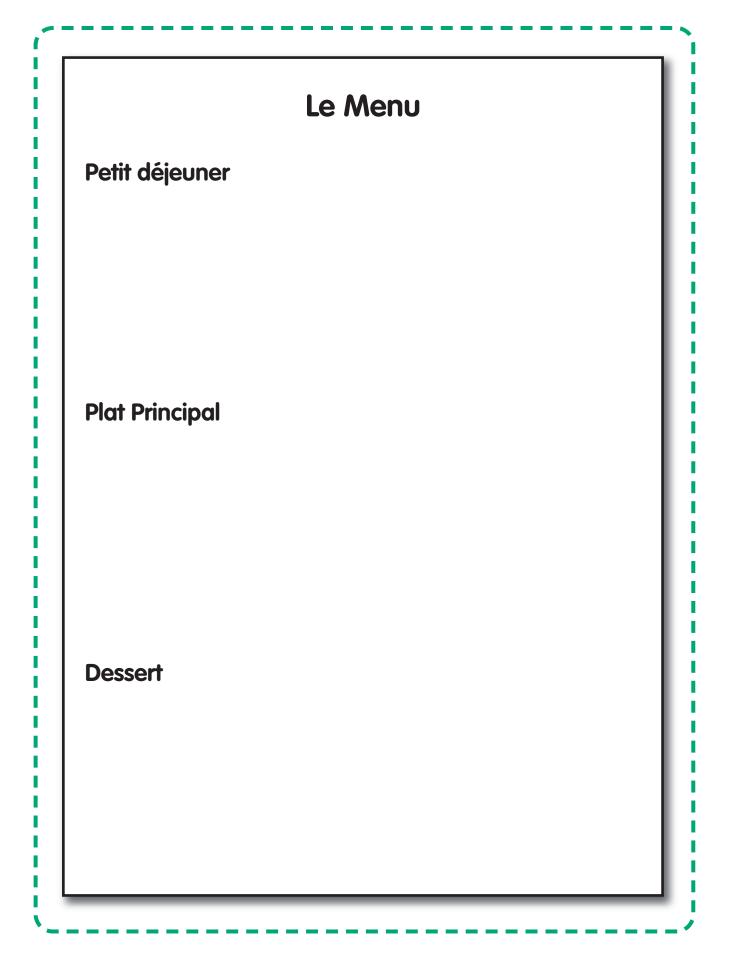


Blue-Bot is on holiday in the French Alps! He has been so busy having fun in the snow. He has been snowboarding, skiing and made a bonhomme de neige. Now it is time for dinner, he is very hungry! Draw Blue-Bots dinner and label it with the French words – these can be from the key words or researched yourself.



Design a menu for your own restaurant in the ski resort. Put the foods from the key word list (and any other you know!) in to the correct section of the menu and add prices in Euros.





# **Mindfulness**

Below are some activities which can be completed at home together to promote mindful practice. Developed by Educational Psychologist, Paula Williams to help children understand their bodies reaction to feelings and how to manage them.

It is recommended that these activities are completed in a calm environment away from distractions. This is a perfect opportunity to bond with your child whist building coping strategies for anxiety and stress.

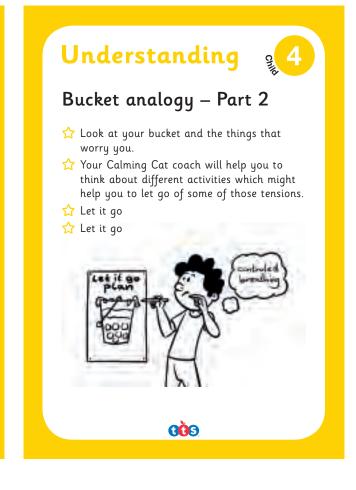
The coach cards are for the adult and the child cards are for the children.

### Understanding

#### Bucket analogy - Part 1

- ☆ Imagine your body is a bucket.
- When we get anxious or upset our stress hormones pour in and can spill over.
- ightarrow If this happens we might cry or get angry.
- We need to think of the things that start to make us feel upset much earlier.
- Little things might add up or a few bigger things might fill your bucket.
- Think of worries that upset you, draw them in your bucket as water levels or pebbles. What fills up your bucket/body?







# **Mindfulness**

# **Skills**



#### Lion's roar

#### Preparation:

- Tell the child you are going to roar like a lion. Look at the picture of the large lion and his open mouth.
- You need to signal to them by doing a loud deep roar.
- This might be an activity best carried out in an open area where you will not disturb others (the hall or a playground).

#### Coaching aim:

Encourage the child to:

- Take a deep breath in and try and get the roar to come from the pit of their stomach.
- You are looking for controlled roaring which is deep and focused. You can position yourself several metres away. If the child does a weak roar take a step forward and act as though you are a predator sensing a weak animal. If it is a strong roar step backwards. As you move forward remind the child if they concentrate on a deep focussed roar they are more likely to move you away.

**CÒS** 

# Skills



#### Lion's roar

- Imagine you are a lion looking for the rest of your pride.
- Get the roar to come from the pit of your stomach as you have a long distance to cover.
- ☆ Take a deep breath in, this will make your roar more powerful.
- Don't roar just from your throat, this might signal you are weak, make a big, strong sound.



# Skills

### **Sleeping lions**

#### **Preparation:**

- Find a quiet place where the child can lay down comfortably.
- Take a stop watch or timer.

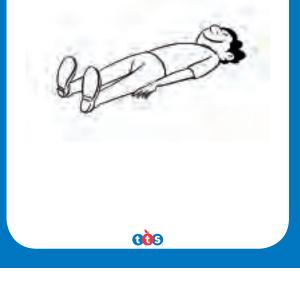
#### **Coaching aim:**

- Encourage controlled breathing.
- Remind the child they have to stay as still as possible.
- Time how long they are able to stay still for. Practise for 2-3 times depending on the length of time the child is able to lie for.
- If they have difficulties lying for 10 seconds remind them to keep still and praise them for staying as still as they have.

Skills

#### Sleeping lions

- $\bigstar$  Lie still on the floor.
- ☆ Don't move or you are out.
- ☆ Keep very still.
- 🟠 How long can you stay still for?



GÕG



### Mindfulness & Wellbeing Activity I

### **Skills**



#### Nature's beauty

#### Preparation:

- Encourage the child to imagine a really blue sky just see the colours in your mind. If the child can't do this show a picture of a deep blue sky and then tell them to close their eyes and see if they can make the same image in their head.
- Do the same for green grass, a yellow sun; orange spices.

#### Coaching aim:

- Teach the child the wonders of our colourful environment; encourage them to notice colours as they go out to play. What effect do they have on their mood and feelings within their bodies?
- We are helping them to look for signs within their natural environment which will give them a sense of comfort and warmth.
- Make the connection that our surroundings affect our mood; but also, our brain images can also affect them

   try picturing a cloudy dark sky and then walking out into the bright sunshine of a new day. How does your mind respond?

### CÒS

### Skills



#### Nature's beauty

- 🟠 Take a deep breath in and out.
- Imagine a bright blue sky; what feeling does this give you?
- ☆ How about being on green grass?
- Look at the colours. Can you make them brighter in your mind? – the brighter the bigger the sensation!
- What do you notice about how different colours make you feel?



### Fun



#### Let's have FUN!

#### **Preparation:**

- Know that as stress hormones go up, our feel-good hormones come down. That's right, adrenaline and cortisol are designed to help us react; oxytocin is there to calm us and helps us to have fun! (and be socially engaged).
- This means if we are feeling worried we are likely to stop doing things that make us feel good.
- Children who live with feelings of anxiety often engage in fewer fun activities as the anxiety grows.

#### **Coaching aim:**

**QÒ** 

- Encourage as many fun and practical things as the child can do.
- Keep adding activities over time.
- Make time to engage in these activities.
- Check how they feel after they have engaged in the activity.



#### Let's have FUN!

- Think about all the things that make you smile; things you enjoy.
- Draw/ write them out we will keep adding to your list so that we have a very long list of things you can do.
- ☆ This will help the adults to arrange some fun for you.
- ☆ Let's have FUN!



GČS

# Resources

1	2	3	4	5	6	7	8	q	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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(for pages 74 and 75)	Anglo-Saxons AD 410 – AD 1066
<b>World War 2</b>	<b>Roman Britain</b>
AD 1939 – AD 1945	55 BC – AD 410
<b>Vikings</b>	<b>Iron Age</b>
AD 789 – AD 1066	800 BC – AD 43
Bronze Age	<b>Victorians</b>
3000 BC – 1500 BC	AD 1837 – AD 1901
<b>Tudors</b>	<b>Stone Age</b>
AD 1485 – AD 1603	12,000 BC – 2500 BC



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