## Letter from the 3 Bears



## Literacy Activity 10




Try some number activities like these every day to help develop your number skills!

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 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 |

## Counting Activity Ideas

- Start from 0 and count in 1's, 2's, 5's or 10's.
- Pick a number to start from and count in 1's, 2's, 5's and 10's.


Make it fun and count in funny voices - can you count like a robot or with a very high voice?

- Cover up several numbers. Can you count up to find the hidden numbers?

Oh dear！Bee－Bot has jumbled up these numbers．
I Can you help to put them in order？
$\begin{array}{ll}\| \\ \| \\ \| \\ \| \\ \| \\ \| \\ \| \\ \| & \\ \| & \\ \| & \\ \| & \\ \|\end{array}$




Fill in the missing numbers．
1． 2,4 ， $\qquad$ 8, $\qquad$ 12.

2．30， $\qquad$ 50， $\qquad$ ， $\qquad$ 80.

You could try making
some more of your own

3． 15,20 ， $\qquad$ ． 30 $\qquad$ ， $\qquad$ 45.

I Now try making some of your own：
4. $\qquad$ ， $\qquad$ ， $\qquad$ ， $\qquad$ ， $\qquad$ ．
5. $\qquad$ ， $\qquad$ ， $\qquad$ ， $\qquad$ ．

## Number Bonds

Number Bonds are pairs of numbers that make up a given number.




Player A says a number to 10/20 (say it while pretending to swing your racket).

- Player B 'hits' back the number bond to $10 / 20$
E.g. Player A - 4" Player B-6"
| Keep going until you 'miss a ball' and make a mistake, then swap over!




## Let's Multiply!

It can help us in lots of areas of maths if we can quickly recall our multiplication facts.
Let's get practising our $2 x, 5 x$ and $10 x$ table!


## Quick Questions

1. $2 \times 5=$
2. $3 \times 2=$ $\qquad$
3. $5 \times 10=$
4. $8 \times 5=$ $\qquad$
$\qquad$ 8. $1 \times 10=$ $\qquad$
$\qquad$ 9. $12 \times 2=$ $\qquad$
5. $4 \times 5=$ $\qquad$II
$\qquad$


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.

## WHAT'S MISSING?

a) 11, 13, $\qquad$ ——, 19, 21, $\qquad$
b) 83,73 , $\qquad$ 43, 33, $\qquad$

Explain what is happening and find the missing numbers Can you see any patterns?



## Dip \& Pick

On Brad's ice-cream there are 14 marshmallows. He has double the amount that Jill has. How many marshmallows does Jill have on her ice-cream?

Sam has 4 marshmallows on his ice-cream. Jake has double the amount on this. How many marshmallows does Jake have on his ice-cream?


## Sam has

6 marshmallows on his ice-cream.
Jake has double the amount on his. How many marshmallows does Jake have on his ice-cream? Jake's dad gives him 8 more marshmallows. How many does Jake have now?

Sam has 4 marshmallows on his ice-cream. Jake has double the amount on his. Jake's dad gives him 8 more marshmallows. How many does Jake have?


There are 20 marshmallows in a shop. John buys 6 marshmallows.
Olivia wants to buy double the amount that John has. Are there enough marshmallows?

Explain how you know.



## 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.


## Record your answers and working out here.





## Reasoning

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




## Prove it!

## You are a Maths Superstar!

Time to show off and 'prove' what you know and can do!


I can tell you the missing numbers in this number track.


## PROVE ITI


t.ts

Product Code: MA10034-02-18 Made in UK

## True or false?

If I count in steps of 10 from 7, I will say the number 70 in my count.


Product Code: MA10034-02-18 Made in UK
cts


## Problem Solving

Have a go at these tricky problems!


## 3.


5.

2.

4.

6.



## Shape Hunt!



Take a look at the 2D shapes below and discuss:
What are the names of these shapes?

- Can you name the properties of each shape? (sides, vertices)



## Draw your own picture using 2D shapes




## Kitchen Science: Raisin Bubble Boogie

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!



## Sailing Boats



## WHAT YOU DO:

1. 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.



## Egg Parachutes



Product Code: SC10130-03-20 Made in UK
OTTS Group Lto. Al rights reseseved. No unauthorised copying of this material without pemission ©t's

## 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.



| Day | Number of Reps | Signed |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Your Favourite Sport

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.



## Bee-Bot at the Zoo

Bee-Bot is having a lovely day at the Zoo! It is so hot that he has had to stop for an ice cream! But Oh-no! Bee-Bot has lost his map of the Zoo! Can you help him find his way around the animals? Start every activity at the ice cream van and draw the arrows in sequence to build your algorithm.


Left Turn

Right Turn

Go


Visit the Lions


Visit the Tigers and then the Meerkats


Visit the Polar bears and then the Penguins



Use the cut-out Bee-Bot from the back of the book to help you.

For more computer science activities check out the Bee-Bot and Blue-Bot App


## Information Technology all around us!

Information technology is all around us in our everyday lives!


It's in our pockets....

It helps us pay for our food at the supermarket.

We take it on holiday to take photos and record our memories digitally...


What examples of information technology do you have in your house?
Draw and label some of the technology found in your home:

## Bee-safety


Create an e-safety poster which could be used in school to help keep your friends safe

## Our World - Night and Day



## Our World



## Create an A to Z of words all linked to our wonderful world!

 Why not illustrate your $A$ to $Z$ too!


## My Timeline

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




## Learning About The Past

Lots of things about life change very quickly. A great way to find out about the past is to ask people about their lives and compare this to our own.


## History Activity 2

Think about everything you have learnt about life in the past and write down 3 things that are the same and 3 things that are different to life now.



## Past, Present, Fułure

We can learn a lot about the past by looking at artefacts and thinking about how they were used.


## Hisłory Activity 3

Pow look at objects in your home.

