

Mathematics Challenges

- **Create a shop-** Label items with prices. Can you select the correct coins to pay and calculate the change?
- **Go on a shape hunt around your house and garden-** What 2D and 3D shapes can you identify? What are the properties of these shapes?
- **Create a maths themed board game**
- **Why not do some baking?** – Follow a recipe and ask a grown up to help you to measure out the ingredients.
- **Challenge your family with your very own maths quiz.**
- **Play calculation bingo-** Fill a grid with numbers and ask a grown up to give you addition and subtraction questions.
- **Kung Fu Maths-** use a movement such as star jumps to give the first number create the calculation symbol (+ - x ÷) followed by the second action for a number. Give the response with a movement e.g. 5 star jumps + 3 star jumps = 8 star jumps.
- **Maths problem scavenger hunt-** Hide clues around your house to move onto the next clue you must solve the maths calculation.

Geography Challenge

- **Create a sketch map of your journey to school.-** Remember to include a key with map symbols!
- **Use google maps/earth with a grown up to explore**
- **During the Summer term in Geography we are going to be discovering all about Kenya-** Complete research to create a fact file, poster or holiday brochure.
- **Create a mnemonic, rhyme or song to help you to remember the names of the seven continents.**
- **Create a weekly weather chart-** record rain, temperature, wind and cloud.

General Knowledge Challenge

- Create your own quiz! Based on our learning this year so far create your own quiz to test your family members.
- Create a checklist of ways you can help the environment- How many can you tick off?
- Can you remember the names of all of the planets? -How could you remember them?
- What is your favourite food? Can you find out how it is made or where it comes from?
- Create your own Did you know book!



History Challenge

- Make a time capsule- Find a box and add a letter to your future self, photos, pictures, drawings and set a date in the future when you will open it.
- Create a timeline of your life- Include key events that have been important to you for example starting school.
- Can you find out about the history of your local area?
- Write a diary as though you are Samuel Pepys or Florence Nightingale
- Choose someone who we might have learnt about or you would like to find out more about and write questions you would like to ask them.
- During Summer term our history lessons will be focused around famous explorers! Use the Internet, books or your grown ups to research a famous explorer such as Ibn Battuta, Christopher Columbus, Neil Armstrong or Robert Falcon Scott.

Cultural Capital Challenge

- Write a letter to a friend or family member- Once you have written it add a stamp and send it in the post.
- Can you learn some words from a different language?
- Create your own restaurant help to prepare a meal and set the table.
- Read a book that someone recommends
- Challenge yourself to learn a new skill- this could be anything from tying your shoelaces to juggling! We can't wait to see what you have learnt!
- Learn the sign language alphabet. -Can you sign your name?



English Challenge

- **Write a letter-** Write a letter to yourself to open and read in a year's time. What important events would you want to remind yourself of during this time? Remember that you need to start your letter with **Dear**.
- **Write an acrostic poem for the word**

RAINBOW

Here are some ideas for how you could start each line;

R - Rain, Ready, Reading, Respect

A - Always, Amazing, Awesome,

I - Inside, Inspiring, Interesting

N - Never, NHS, Now, Neighbours

B - Believe, Better, Brave, Best

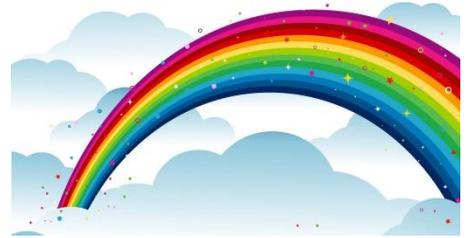
O - Our, Outside, Once, Only

W - Wonderful, Window, Wiser, Wishing

Don't forget to decorate your poem with your amazing art skills.

- **Complete one of the Creative Challenges**
- Write a set of instructions for somebody else to follow to complete one too. Remember instructions need a You Will Need list, adverbs (carefully, slowly, cautiously), imperative verbs (bossy verbs) and they need to be in order.

- **Play in a day** - Choose your favourite story book and create a play using your toys. Act out your favourite parts of the story. Discuss with your adult why it is your favourite part. Who is your favourite character and why?



LITTLE MISS BOSSY

By Roger Hargreaves



Art and Design Challenge

- Make a **RAINBOW** collage - Find items from around the house to create a collage. This can be from cereal boxes, flowers in the garden, bottle tops and pictures from magazines.
- Draw your family - Draw each member of your family using a different medium for each family member. You could use pencils, crayons, colouring pencils, paint, chalk.
- Henri Rousseau - This will be the artist we will be studying in Summer term. He painted pictures of animals in their habitats. Here are some of his art pieces:



Have a go at drawing some of your own Henri Rousseau inspired art pieces. Choose an animal and draw it in its habitat. You could draw a polar bear in the arctic, a camel in the desert, a shark in the ocean etc.



Creative Challenge

- **Make an instrument-** Be loud and proud on our #thankyoukeyworkers clap at 8:00pm on Thursdays! Create your own instrument using items you can find around the house. Pour some dried food (rice or pasta) inside a tube and make sure to seal it at both ends. Decorate your tube and get ready to make some noise!
- **Movie night** - Create your own cinema box full of your favourite treats. Use a cereal box and make sections for each of your favourite treats. Why not create a cinema ticket and give them to your family members to invite them too! Don't forget to ask your adults to choose a film you can enjoy together and share your treats!
- **Feed the birds-** Create your own bird feeder using a milk bottle. Ask an adult to help you cut the holes in the bottle.



Science Challenge

- **Will it float or sink?**- Conduct your own science investigation with items around the house. Fill up a container of water to investigate which items float or sink. Once you have your results, you could use what you have learnt to create a toy boat. Remember a boat has to float!



Sink or Float?

Name: _____

Object	What do you think will happen?		What actually happened?	
	Sink	Float	Sink	Float

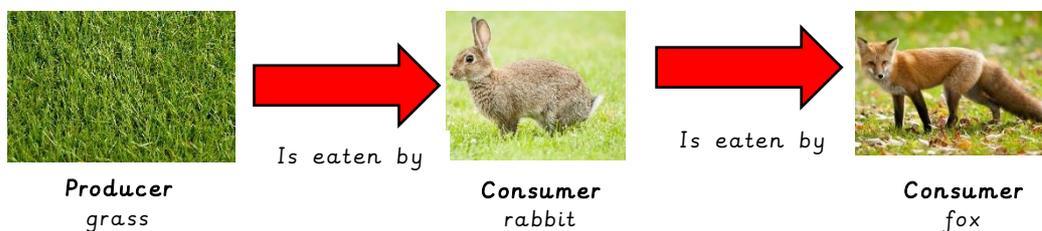
- In the Summer term we will be learning about living things and their habitats. Make a list of the different habitats you know and what different animals live there.

For example:

Habitat	Animals
Desert	camel, scorpion, rattlesnake
Arctic	?

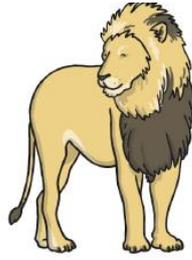
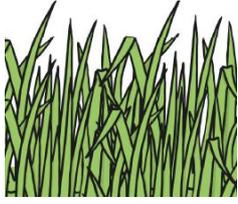
- We will also be learning about **food chains**. This is the order of how living things get their energy.

For example:

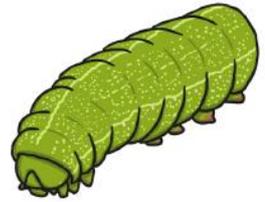


Can you put these living things in the correct order for their food chain?

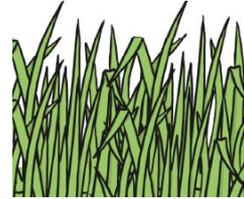
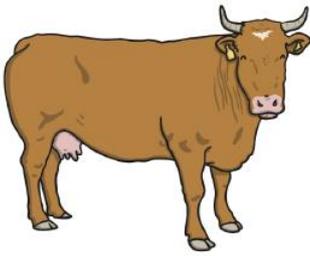
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2.



3.

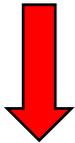
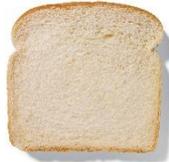


ICT Challenge

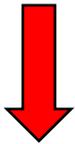
- **Algorithms** - Remember algorithms are a set of instructions that computers follow just like our brains have to follow instructions to complete a task.

Create an algorithm for making a sandwich

Get a slice
of bread.



Get the
butter out of
the fridge.

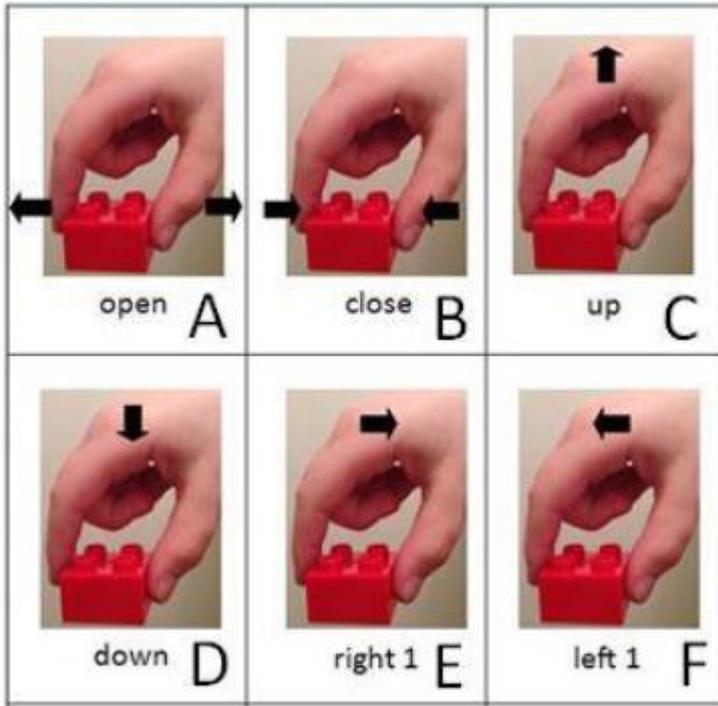


Get a knife
out of the
drawer.



Can you complete the algorithm and test it out? Does your algorithm work or do you need to change some of the steps? If you have to change your algorithm this means you are debugging (fixing errors).

- **Human crane algorithm** - You will need a bowl and some small objects e.g. lego. Can you get the objects into the bowl by creating an algorithm?



The algorithm to get the yellow block into the middle bowl would be:

- D - down
- A - open
- B - close
- C - up
- E - right 1
- D - down
- A - open

