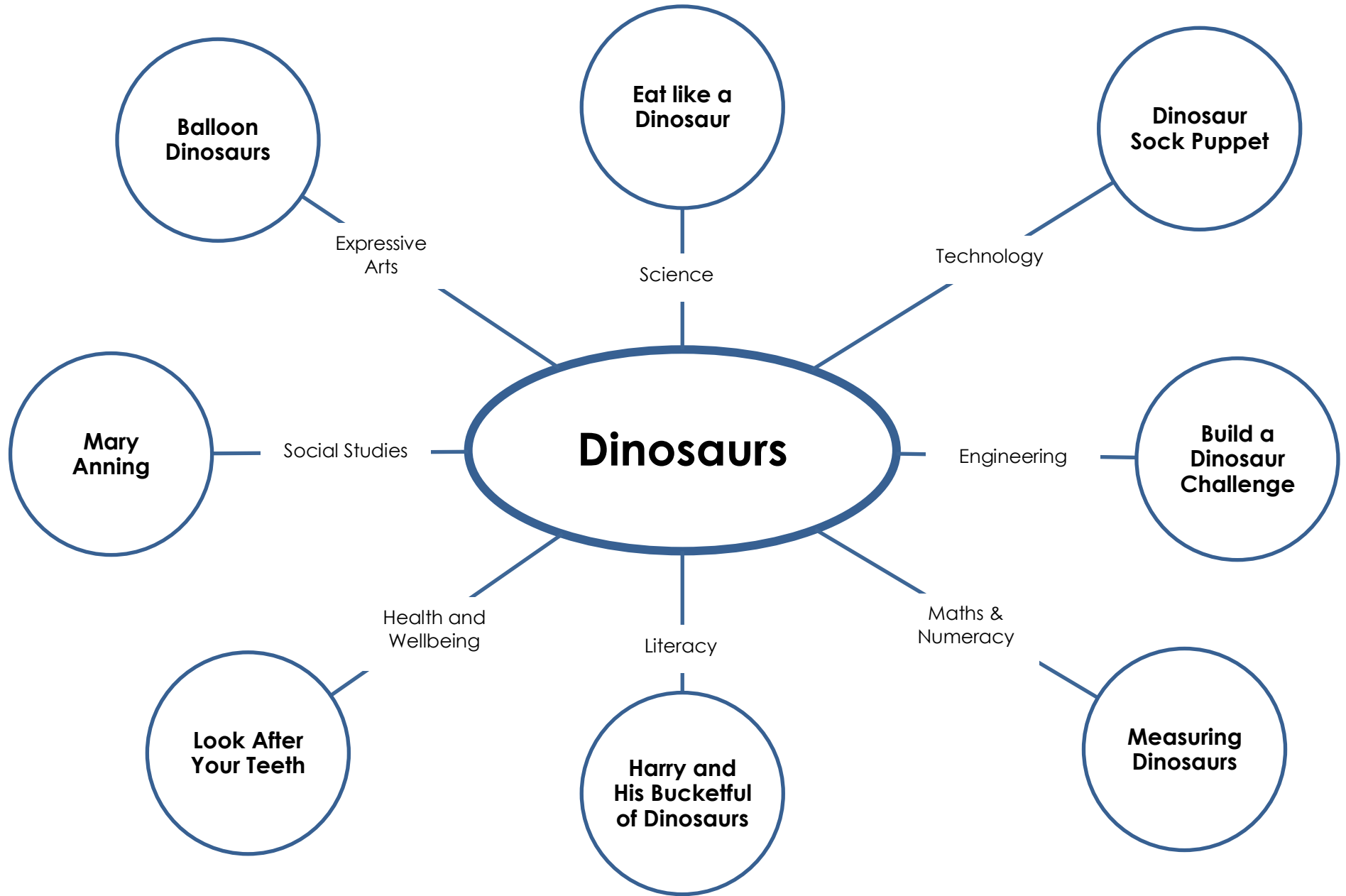


Learning from Home



Science Challenge



Eat Like a Dinosaur

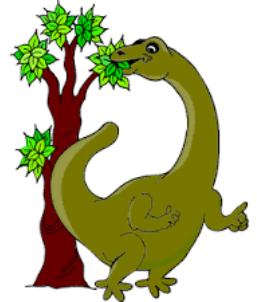
Adult Supervision Required

Why would a plant eating dinosaur swallow stones? Try this experiment to find out.

You will need:

- 2 rounded stones or pebbles
- Leaves
- Plastic bowl
- Scissors
- Water and a teaspoon (tsp)

Be careful gathering leaves as some could be dangerous to touch. **Ask an adult for help.** You may need to wear protective gloves.



Instructions:

1. Put 6 small leaves in a plastic bowl
2. Use the scissors to cut up the leaves – be very careful
3. Add $\frac{1}{4}$ tsp of water.
4. Hold the stones and grind the leaves between them.
5. Observe (watch) what happens.

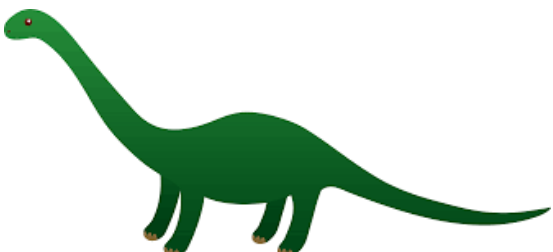
⚠ Never put stones or pebbles in your mouth. This could be very dangerous. ⚠



The Science

You should see that the water turns green. This is what happened in a dinosaur's stomach. A dinosaur swallowed stones called '**gastroliths**' to help it eat and digest (break

down) leaves. As the stones released the edible parts of the leaf, bacteria and acid in the dinosaur's stomach rotted the food. This helped the dinosaur to digest its food.



Images from www.clipart-library.com

Technology Challenge



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Dinosaur Sock Puppet

Adult Support Required!

Today you will be creating a dinosaur sock puppet.

You Will Need:

old socks, glue, flat washing sponge, scissors, stickers, marker pen, any other craft materials you like

Watch the instruction video here:

<https://www.youtube.com/watch?v=7vYM700Npy8>



Instructions:

1. Put the sock on a table in front of you, with the heel of the sock facing down.
2. Ask a grown up to help you cut the washing sponge into triangles. Glue them onto the back of your sock.
3. Now make some eyes – if you have some white stickers, you can cut out circles and draw a smaller black circle in the middle. Stick these on your sock. You may have googly eyes you want to use instead – this is fine.
4. Use whatever craft materials you have to make nostrils for the nose and a mouth and or teeth.



Note: be creative, there is no right or wrong, this is about using your imagination to construct your puppet.

When your puppet is complete you may want to put on a show for someone at home.

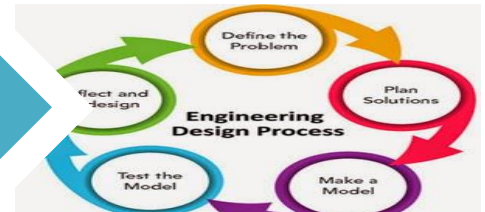
Do you think socks are suitable for making puppets? Why?

Can you describe how they feel?

What else could you use if you didn't have socks?

Photo from + activity adapted from www.bbc.co.uk/cbeebies
Clipart images from www.clipart-library.com

Engineering Challenge



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Build a Dinosaur Challenge

Today's challenge is to use straws, marshmallows, playdough and toothpicks to create a lying down or free-standing dinosaur.

You will need:

- bendable straws
- large marshmallows
- playdough / plasticine
- toothpicks
- rolling pin
- dinosaur toys / models or pictures

Use a model / toy dinosaur or a picture of one from a book or the internet to guide your build.



Building Tips

You could use the toothpick to cut the marshmallow or playdough into small building pieces.

A rolling pin can be used to create flat building pieces. You could also use your hand to flatten the marshmallows.

Share Your Dinosaur Creation

When you are finished creating your dinosaur, show it to a grown up.

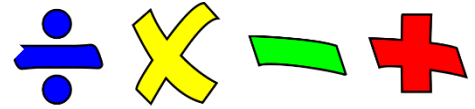
How does it look compared to the model or picture of a real one?

Can you add any extra features or change anything to make it look more realistic?



Activity and images from <https://jdaniel4smom.com/>

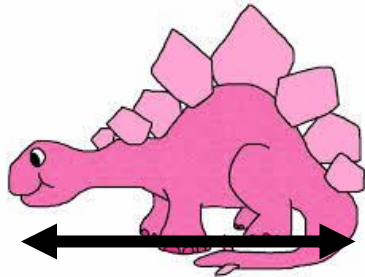
Maths & Numeracy Challenge



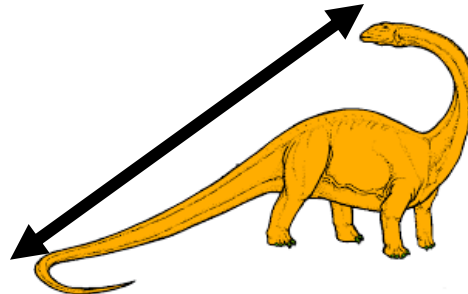
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Measuring Dinosaurs

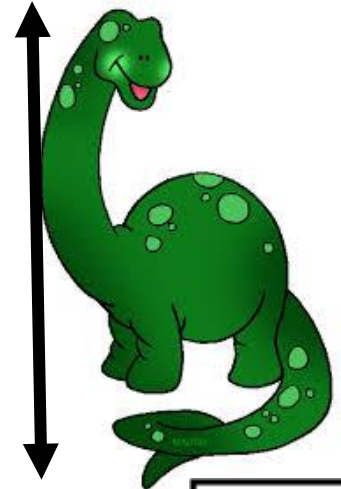
Use a ruler to measure these dinosaurs to the nearest cm.



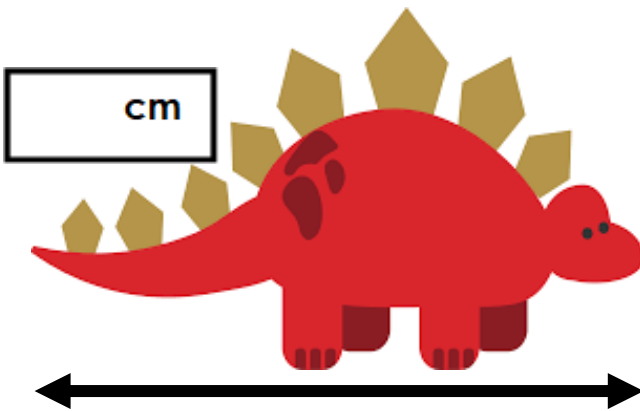
cm



cm



cm



cm



cm



cm

Now draw a dinosaur of your own measuring 9 cm long.

Draw another 2 dinosaurs underneath it which measure 13cm when placed end to end.

Challenge: 3 dinosaurs measure 10cm when placed end to end. What length might each one be?

Images from www.clipart-library.com

Literacy Challenge



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Harry and His Bucketful of Dinosaurs

Click on the link to watch **Harry and the Bucketful of Dinosaurs** written by Ian Whybrow and illustrated by Adrian Reynolds. (If you have the book, feel free to read that instead or as well.)

<https://www.youtube.com/watch?v=MTjQeCspMkY>

Harry finds some dusty plastic dinosaurs in Nan's attic. He cleans them, finds out their names and takes them everywhere - until, one day, the dinosaurs get lost! The lost property man gets a surprise when Harry proves the dinosaurs are his by calling them over to him.

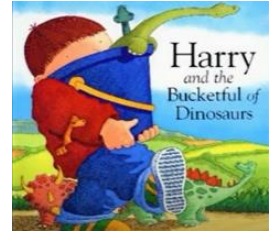
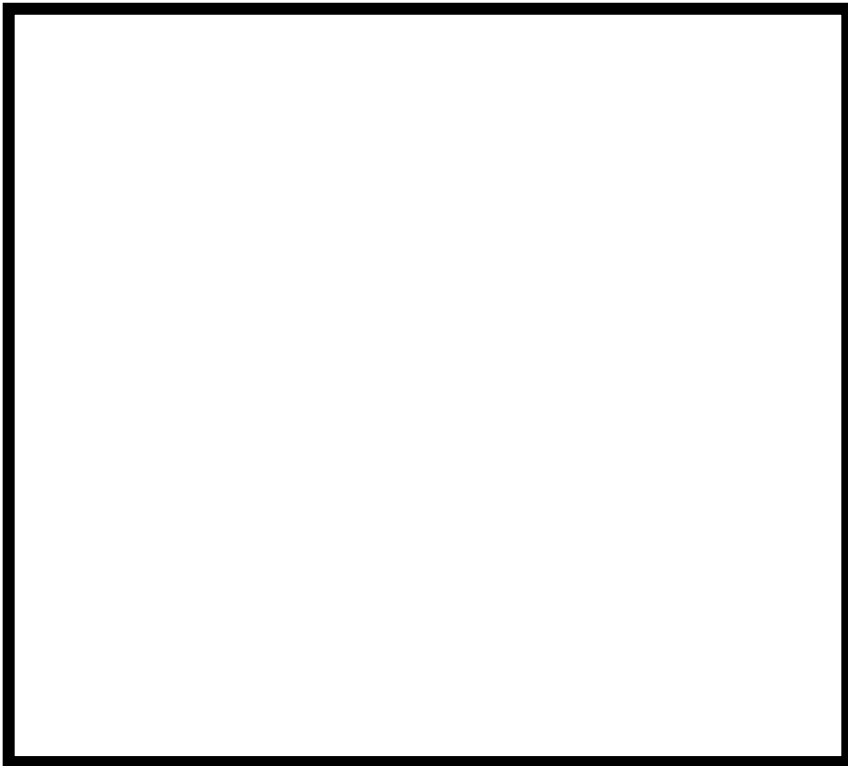


Image from www.youtube.com

1. Draw a picture of your favourite part of the story in the box below.



- 2. Why is it your favourite part? Chat to a grown up about it then write a sentence about it too. (Space below)
- 3. Why did Harry forget about his bucket of dinosaurs when he went on the train with Nan?
- 4. Why did Harry like his dinosaurs better than the DVD?
- 5. What is your favourite toy? Why?

My sentence:



Health & Wellbeing Challenge

Look After Your Teeth

Think about what a dinosaur looks like? You might think of them being really big – many were, although there were also small dinosaurs too. You might think of scaly skin and/or feathers. You might think about their big, long jagged claws but we also think about their teeth.





There were no supermarkets millions of years ago when dinosaurs were alive, so dinosaurs had to hunt or scavenge for their food. There were no restaurants and cafes and there were no processed foods or sweets!

If a dinosaur lost its teeth, then it would have died as it wouldn't have been able to eat anything.

Not many people hunt or scavenge for food nowadays as we have shops but that means we also have processed foods, including sugar. These foods can be bad for our teeth, so we need to brush our teeth to keep them clean and healthy. We wouldn't die if our teeth fell out, but it would limit what we could eat, and it also wouldn't make us look so good. It might also make it difficult to form sounds and words properly when we speak.

Click on the link to watch a short video showing the proper way to brush our teeth:

https://www.youtube.com/watch?v=R_mgHakWC1g

			
1	2	3	4
First put tooth paste on the toothbrush.	Finally brush your teeth until they are clean.	What you need: toothbrush, toothpaste and water.	Then put the toothbrush under the tap to make it wet.

Do you make sure you brush your teeth twice a day? If you don't then try to from now on.

Task: The instructions in the picture got muddled up. Can you rearrange them to get them back into the correct order?

Images from www.clipart-library.com

Social Studies Challenge



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Mary Anning

Ask an adult to help you read the information below.

Famous Person / Significant Individual:

Mary Anning was born just over 200 years ago, in the seaside town of Lyme Regis, Dorset, UK, in 1799.



Young Mary and her brother, Joseph, would join their father, looking for fossils at the beach and selling them to tourists. After their father died, Mary and Joseph continued fossil hunting.

In 1811, they found a strange skeleton which was more than 5 metres long! Back then, people believed that this creature must have come from far away, simply swept in by the ocean, so scientists simply thought it was a crocodile. They eventually realised it was an ancient species, a dinosaur, and it was named **Ichthyosaurus** – meaning 'fish lizard'.

Mary continued to scour the beach and crumbling cliffs with her dog Trey, and in 1823 she made another important discovery – the first ever **Plesiosaur** skeleton! This long-necked sea creature looked so odd that many people thought it was fake at first! Mary made many other discoveries, such as a **Pterodactyl**, and **coprolites** – fossilised poo – which helped her work out what dinosaurs ate!

Mary died in 1847. She was well-known for her discoveries but wasn't taken seriously as a scientist back then because she was female, and she came from a poor family. Some of her findings were even stolen and claimed by some of the male scientists she worked with. Thankfully, today, Mary is recognised as a pioneer in the field of **paleontology** (the study of fossils), and she is celebrated as the greatest ever fossil hunter.

To find out more, click on this link: https://www.youtube.com/watch?v=koota_lwU_4

How Do We know about Mary Anning? We still have the fossilised dinosaur remains that Mary found. We also have her drawings and writings about her discoveries. There are reports, written by others, telling us about her life and achievements.

Chat to a grown up about Mary. She didn't have much money, do you think she would have been better off spending her time doing a different job rather than spending her time hunting fossils? Why?



Information from <https://pstt.org.uk/> Images from <https://en.wikipedia.org/>

Expressive Arts Challenge



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Balloon Dinosaurs

Adult Support Required

Making dinosaurs with balloons is great fun and it's also really easy! You can use round or long balloons to make the body and then attach a head, arms and legs, facial features and other body parts like scales or a tail (which could be made from card or other craft materials).

You can make all kinds of dinosaurs, like this Stegosaurus or this Tyrannosaurus Rex

You will need:

Balloon, white and/or coloured card, colouring pens/pencils, scissors and sticky tape, other craft materials (optional)



Instructions:

1. Ask an adult to blow up and tie a balloon for you.
2. Choose which dinosaur you would like to make.
3. Either draw the outlines for the body parts yourself or click on the link below for the free templates.
4. Cut out your outlines then stick them onto your balloon using sticky tape.

You can click here to find out some more information about dinosaurs and to see pictures of how they might have looked:

<https://www.kids-dinosaurs.com/dinosaur-facts.html>

You can choose which dinosaur to make but here is the link for the free downloadable PDF templates for a stegosaurus and a tyrannosaurus rex if you prefer:

<https://www.teachingideas.co.uk/art/balloon-creatures>

Activity and images from www.teachingideas.co.uk