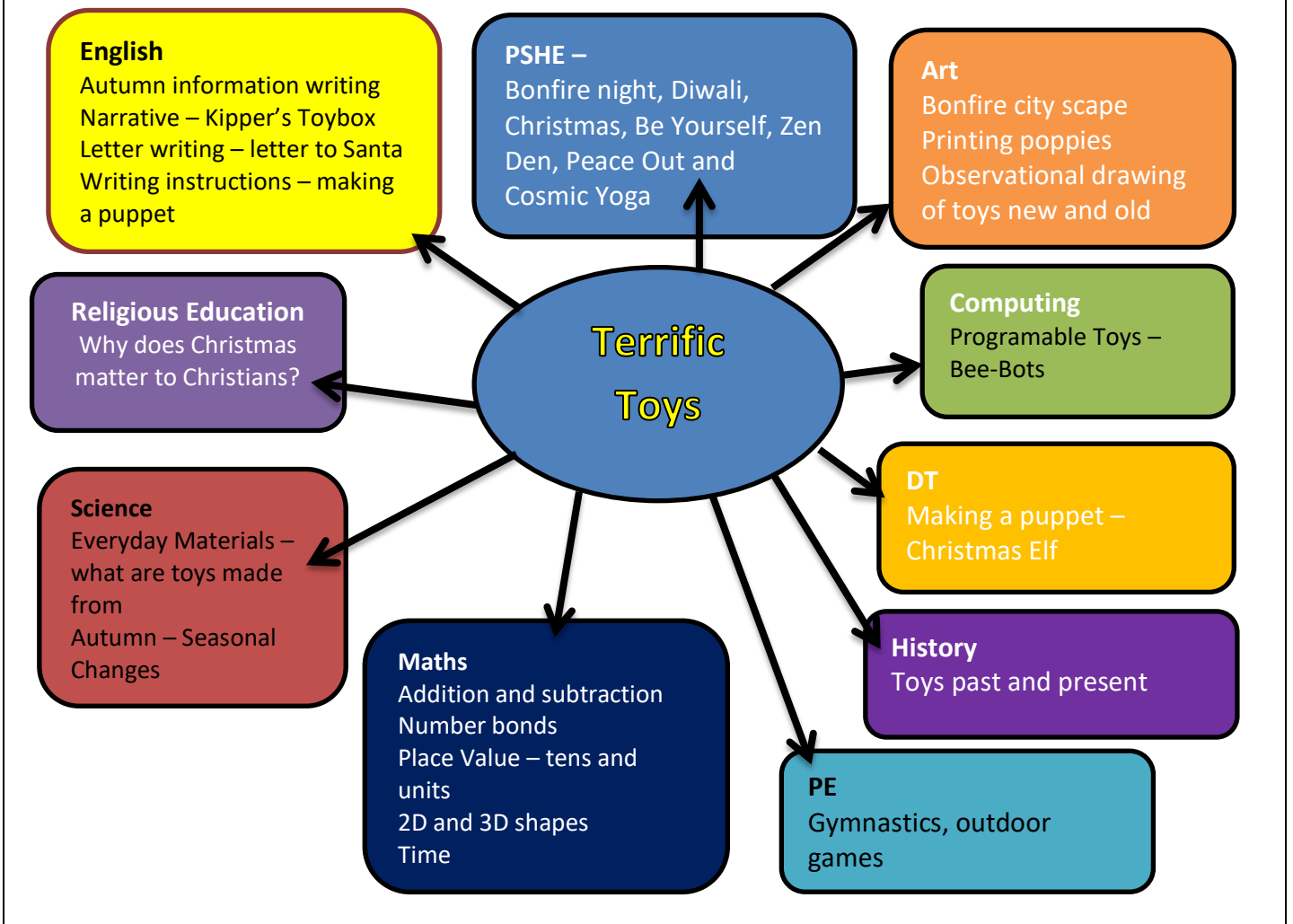


KNOWLEDGE ORGANISER – Little Owl Class

Autumn Term 2020

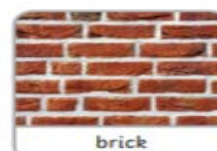
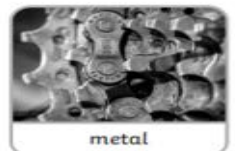


Science – What are Toys Made of? (Everyday Materials) (Year 1)

Key Vocabulary	
object	A thing that can be used. For example a door, chair, car, table are all objects .
material	Materials are what an object is made from.
hard	Not easily broken or bent.
soft	If something is soft , it is easy to cut, fold or change the shape of.
stretchy	Can be pulled to make it longer or wider without breaking.
shiny	Reflects light easily.
dull	Doesn't reflect light. Doesn't look bright or shiny .
rough	If something is rough , it feels and looks uneven or bumpy.
smooth	Smooth objects have no lumps or bumps.
bendy	Bendy things can be folded easily.
not bendy	If something is not bendy , it can't be folded easily.
waterproof	If something is waterproof , it keeps water out. It keeps things dry.
not waterproof	Not waterproof materials let water in.
absorbent	If something is absorbent , it soaks water up.
not absorbent	If something is not absorbent , it does not soak up water.
transparent	Transparent objects can be seen through.
opaque	Opaque objects can't be seen through.

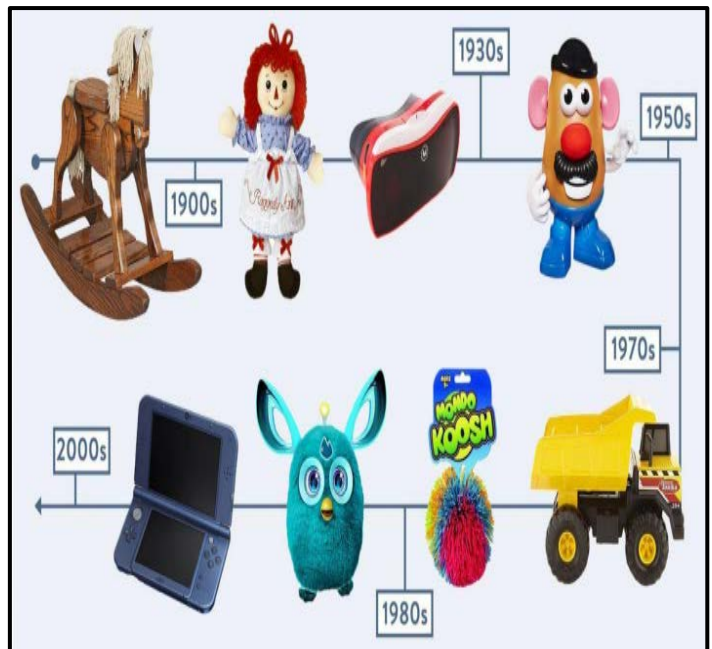
Key Knowledge

Materials:



History – Toys Past and Present (Year 1)

Key Facts	
How long have toys existed?	Toys have existed for thousands of years. They were made out of the materials that were available at the time. Even stones and string have been made into toys.
What were toys made of during the Victorian age?	Toys were mainly made of wood, paper and metal during the Victorian age.
What toys did Victorian children play with?	Rich Victorian children played with toys such as clockwork trains, rocking horses, tea sets and dolls. Poorer children played with homemade toys such as peg dolls, wooden boats and rags stuffed with sawdust to make balls or toy animals.
What are modern toys made of?	Modern toys are mainly made of plastic. This is because it is usually safer and easier to make things with.
How are modern toys different?	Many modern toys use electricity to work. Computers and consoles were invented in the 20th century.



Key Vocabulary	
Victorian	The time of Queen Victoria's reign. 1837-1901.
20th century	The 20th century was 1900-1999.
21st century	We are in the 21st century . It started in the year 2000 and will end in 2099.
wooden toys	Lots of toys were made of wood. Boats, train sets and cup and ball were all made of wood. Some toys are still made of wood.
paper toys	Some toys, like paper windmills, were made out of paper.
metal toys	Toy soldiers and some spinning tops were made out of metal.
plastic toys	Most modern toys are made of plastic. Toy soldiers, dolls and ride-on cars are usually made of plastic.

Computing - Programable Toys (Year 1)

Key Vocabulary

- Direction** – A course along which someone or something moves.
- Challenge** – A task or situation that tests someone's abilities.
- Arrow** – A mark or sign resembling an arrow, used to show direction or position.
- Undo** – Cancel or reverse the instruction.
- Rewind** – Move back several steps or to the start.
- Forward** – To move in the direction that one is facing or travelling.
- Backwards** – To move in the opposite direction to which one is facing.
- Right turn** – To move the object in a clockwise direction.
- Left turn** – To move the object in an anti-clockwise direction.
- Debug** – To find and remove errors from computer hardware or software.
- Instruction** – Information about how something should be done.
- Algorithm** – A precise, step-by-step set of instructions used to solve a problem or achieve an objective.



Key Learning

- To understand the functionality of the direction keys.
- To understand how to create and debug a set of instructions (algorithm).
- To use the additional direction keys as part of an algorithm.
- To understand how to change and extend the algorithm list.
- To create a longer algorithm for an activity.
- To set challenges for peers.
- To access peer challenges set by the teacher as 2dos.

Design and Technology – Puppets (Year 1)

Key Vocabulary

Decorate	To add details to a design to improve its appearance.
Design	To make, draw or write plans for something.
Fabric	A natural or man-made woven or knitted material that is made from plant fibres, animal fur or synthetic material.
Glue	A sticky liquid that can join two things together.
Model	A practise version, often on a smaller scale, that lets you test out your idea and see how it will look and work.
Hand puppet	A toy that you can make move by putting your hand inside it
Safety pin	A 'U' shaped pin with a cap where the needle slots in securely after fastening.
Stencil	A shape that you can draw around.
Technique	A way of doing something to complete a task.
Template	A stencil which you use to help you draw a shape more easily on to different materials.

Key facts

You will use a variety of techniques to create your puppet including cutting, gluing, stapling and pinning.



What colour fabric will you choose for your puppet?
 What colour hair will your puppet have?
 What kind of eyes, nose and ears will your puppet have?

RE – Why does Christmas Matter to Christians?

Key Vocabulary		The Nativity Story	
Christmas	Christmas is the time when many Christians remember and celebrate the birth of Jesus, the son of God.	The Angel Gabriel visited Mary and told her she was going to have a baby called Jesus and that he would be God's son.	
Christmas Day	Christmas Day is celebrated by many Christians all over the world on 25th December every year. It is a special holiday when most offices, shops and all schools are closed.	Mary and Joseph had to travel to Bethlehem. Mary rode on a donkey. A kind innkeeper in Bethlehem let Mary and Joseph stay in his stable for the night and Jesus was born there.	
Nativity	A play that tells of the story of the birth of Jesus.	An angel appeared to some shepherds and told them that the son of God had been born in Bethlehem. The shepherds walked to Bethlehem to visit the baby Jesus. Three wise men saw a star in the sky and knew that it meant a king had been born. They followed the star. They went past the palace of King Herod who asked the men to tell him where the baby was. The wise men found baby Jesus but they received a message from God warning them not to tell Herod so they didn't. Herod began to search for Baby Jesus. He ordered that all baby boys in Bethlehem be killed. However, after a warning in a dream, Mary and Joseph travelled to Egypt with Jesus and he was safe.	

Christmas Traditions

The story of the birth of Jesus is very important to many Christians. Many believe he was a gift from God.

Art and Design – Observational Drawings of Toys (Year 1)

Vocabulary	
Medium/media	The materials used to create the art work.
Observational drawings	Drawing or painting of what the artist sees; eg: still life, people, landscapes and not from their imagination
Paper	Material on which we write or draw.
Primary colours	Red, yellow and blue
Scale	The size of an object in relationship to another object
Secondary colours	Orange, green and purple
Shade	Comparing light and dark are distinguished from one another
Tone	The lightness and darkness of something. This could be a shade



Observational drawings of toys

Selection of Victorian style toys

Reception Toys – Home Challenge Ideas

Reception children will be joining in with all aspects of our 'Terrific Toys' topic. They will be taking part in activities (supported and independent) that allow them to access ALL areas of learning but will allow them to focus on 'Understanding the World' and 'Being Expressive'.

Have a look at your toys at home. Can you find a toy that can move, a toy that makes sounds and a toy that lights up? How do you make them work? Do you need to push a button? Do they have batteries? Do you wind them up? Talk to a grown-up about the different ways your toys work.



Draw a picture of your favourite toy and write a sentence about it.



Play a game with some people in your family, where you all take turns and follow rules. It might be a board game, a card game or a different type of game altogether. Think about why it is important to take turns and follow the rules when you are playing games.

Talk to a grown-up in your family about the toys they used to have when they were little. Find out if they had any toys that are similar to toys that you have got. How were their toys different? What was their favourite toy?



Design a new toy. Draw a picture or even make a model.



There are 4 cars in the toy box. How many wheels are there altogether? You could draw a picture to help you or even find 4 cars and count all of the wheels!

Try and do at least 3 of these ideas during this half term, if you do complete the challenges then take a photo and get your mum or dad to upload it onto Seesaw. I can then print it out and school and we can share it with everyone.

Year 1 Toys – Home Challenge Ideas

Interview grandparents or an older relative or friend about toys they played with when they were younger. What toys did they play with? What materials were they made from? Tell us what they said or write some of their answers down.



Create a picture of your favourite toy using pastels, paint, colouring pencils or pens or even collage.



Set up your own toy shop at home! Give some of your toys price tags. Take turns to be the shop keeper and customer. Buy an item and find the correct coins needed to pay. Can you buy more than one item and add to find the total?



Design a poster for a toy. Make it eye catching and include information about the toy. Write a description of the toy, what it does and why people should buy it.



Design and build a 3D model of a toy. You could use junk modelling or construction to make your toy. Can you include a moving part?



Sort your toys into groups. You can decide how you sort them, e.g. new and old or wheels and no wheels or which material they are made from.

You could take a photograph of your sorting or write your results in a diagram.

Try and do at least 3 of these ideas during this half term, if you do complete the challenges then take a photo and get your mum or dad to upload it onto Seesaw. I can then print it out and school and we can share it with everyone.