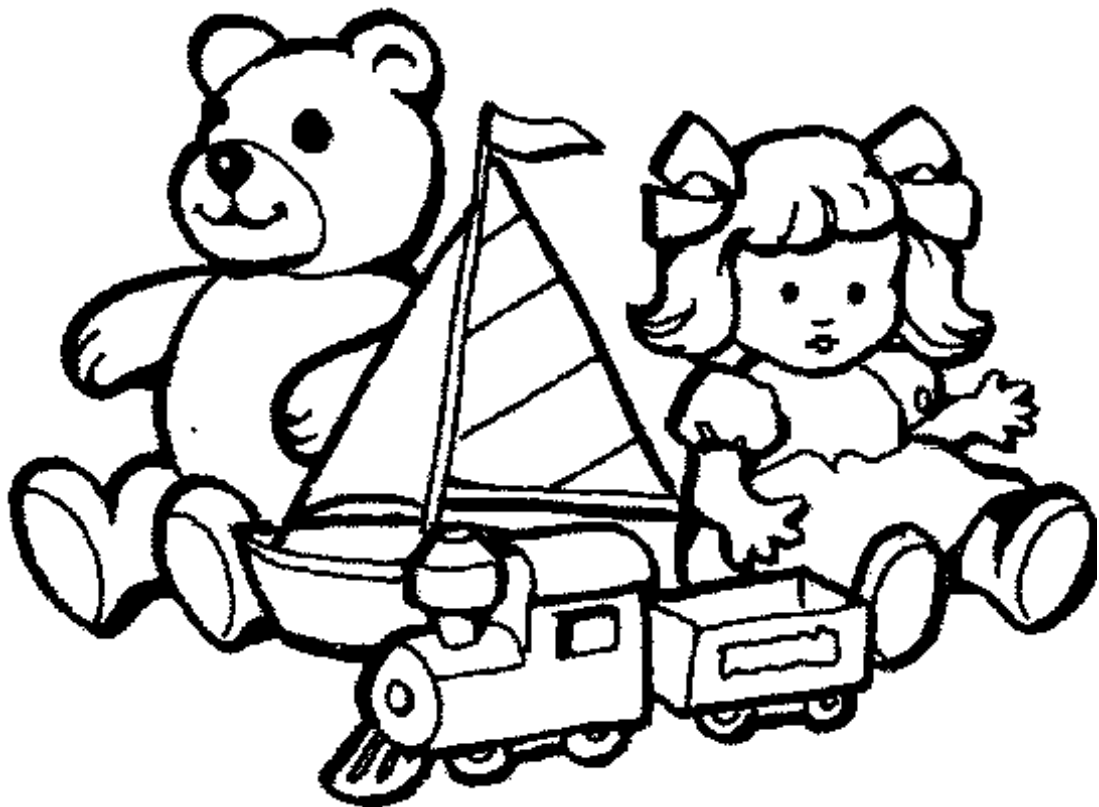




Old Toys, New Toys

Materials and their Properties



Overview of theme:

This unit will have a scientific emphasis and will build upon work from the previous year where children learnt about similarities and differences in materials. The children will progress the following year when they will be exploring natural and manufactured materials and their properties. In this unit they will work scientifically to carry out a simple test to identify and compare the suitability of a variety of everyday materials.

The main intent of this theme is to introduce the children to a range of basic materials and their properties through looking at old and new toys.

By the end of the topic, the children will be able to identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. They will plan and carry out an investigation to find the best material for a waterproof coat. They will sort toys based on their materials and decide if a toy is old or new giving reasons for their thinking. The children will also use the vocabulary of past and present when looking at old and new toys and make comparisons. They will be able to ask questions about toys and those belonging to other people in the past.

Planned visits and school workshops:

Chertsey Museum 'Toys from the past' workshop in school
Thursday 30th January 2020

The workshop starts with a toy talk looking at toys from the museum collection. The children will then make a thaumatrope (spinning disc), play with various indoor and outdoor toys including spinning tops, yo-yos & skittles, sort toys (old/new, soft/hard) and complete a close up drawing of Victorian toys.

Toy assembly for parents – Friday 14th February
Church visit to St Philip and St James' – Date TBC

Useful information and reference for parents:

Talk to your child about toys you played with as a child and how these compare with toys today. Discuss what material they are made from and how life in the past is different from today.

Suggested visits: V&A Museum of Childhood or a traditional toy shop.
Topmarks.co.uk: How toys have changed & Toys of the past

Homework linked to theme:

Home learning research project – my favourite toy.

Learn to play a board or card game that you have not played before e.g. dominoes, draughts or marbles.

Phonic and Spelling based homework.



Curriculum over for the half-term and cross-curricular links to the main theme:

Subject focus of the theme: SCIENCE**Core text:** *Dogger* by Shirley Hughes; *In the Past: Toys* by Dereen Taylor;**Lost in the Toy Museum** by David Lucas; **The Three Little Pigs.**

English	Explore descriptive language to create a missing poster. The children will explore non-fiction texts to find out about toys from the past. They will write their own version of a fairy tale: <i>The Three Little Pigs</i> . Adding ed and ing to root words. Change singular words into plural by adding s or es.
Mathematics	Recognise, read and write numbers to 40. Understand place value in 2-digit numbers (tens and ones). Add and subtract one digit and two digit numbers to 40, including zero. Solve word problems involving addition and subtraction Tell the time to the hour and half past the hour and draw hands on a clock face to show these times. Use language relating to dates including days of the week, weeks, months and years. Measure and begin to record lengths and heights.
Science	Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. Describe the simple physical properties of a variety of everyday materials. Plan and carry out an investigation to find the best material for a waterproof coat/umbrella.
Art and design	Close up drawing of Victorian toys Sketch a teddy bear
Computing	Combine text and images to describe materials – Purple Mash computer program.
Design and technology	Design and make a <i>Wolf Proof</i> house for <i>The Three Little Pigs</i> . Make a thaumotrope (spinning disc).
History	Comparing old and new toys.
Music	Learn songs to support the learning of toys and for the assembly with accompanied instruments
PE	The children will focus on object control, the principles of attacking and defending as well as gymnastics.
PSHE	Setting realistic and ambitious goals - breaking down goals into smaller steps.
Religious Education	Christianity and the Church. Children will develop their understanding about why sacred places should be treated with respect.

Sequence and structure to curriculum theme

1. Our Favourite Toys	The children will start the topic by bringing in their favourite toy. We will discuss why it is their favourite toy, what material is it made from and sort them into groups based on the material. We will look at a range of different materials and find them in the classroom.
2. Old or New?	Comparing old and new toys. The children will research what they will need to design a waterproof coat/umbrella for a toy. They will learn how to describe the simple physical properties of a variety of everyday materials.
3. Investigation	The children will carry out an investigation: what materials are most suitable for making a waterproof coat/umbrella? The children will work scientifically by performing simple tests to explore their questions.
4. Toy Workshop	The children will take part in a workshop 'Toys in the past' run by the Chertsey Museum. The children will make a thaumatrope (spinning disc), play with various indoor and outdoor toys including spinning tops, yo-yos & skittles, sort toys (old/new, soft/hard) and complete a close up drawing of Victorian toys.
5. Toy Assembly	Children to come dressed as their favourite toy ready for a Year 1 assembly to parents. Materials quiz – Children to demonstrate their understanding of the topic.

Children's learning

By the end of this theme the children will:

- Distinguish between an object and the material from which it is made.
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- Describe the simple physical properties of a variety of everyday materials
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.
- Compare old and new toys
- Have learnt the following key vocabulary: materials, wood, plastic, metal, glass, water, rock, paper, hard, soft, fluffy, rough, smooth, shiny, dull, light, heavy, transparent, opaque, translucent, stretchy, bendy, and waterproof. As well as simple vocabulary relating to the passing of time such as: 'before', 'after', 'past', 'present', 'then' and 'now'.