

Topic Title: Materials Matter

Year 1

Spring 1



Key question?

Can you distinguish between an object and what it is made from?

Big Questions:

What is it made from?

Why do we use/ not use that material to make that object?

Can you describe materials?

Describing materials –
Sorting and classifying

What are the materials used for?

Why are these materials good for building?

What would be the best material for...?

Skills Taught:

- Ask simple questions.
- Observe closely, using simple equipment.
- Perform simple tests.
- Identify and classify
- 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
- Classification of everyday materials and the ability to discuss why materials are used for different purposes.

Immersion Activity/Provocation: The Three Little Pigs Story – Building a house for a pig – Lego/ cardboard/ balsa – test with a hairdryer

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Enquiry Question: Why are some materials more suitable than others?

Focus Texts: Traditional Tales, The Elves and the Shoe Maker, The Three little Pigs, The Way Back Home



	<u>Skills and Knowledge</u>
Some children will:	<ul style="list-style-type: none">• Explore objects and materials provided, changing some materials by physical means and observing the outcomes.• Match objects and materials with single features or properties.• Identify a range of common materials and know about some of their properties.• Sort materials using simple criteria and communicate observations of materials in terms of these properties.• Know about similarities in relation to objects and materials.
Most children will:	<ul style="list-style-type: none">• 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 materials and sort materials.• Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick/rock, and paper/cardboard for particular uses.
Some children will progress further and will:	<ul style="list-style-type: none">• Compare and group together a variety of everyday materials on the basis of their simple physical properties.• Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Enrichment/Outdoor Learning: Materials Treasure Hunt/ Feely Bags activities and Feely boxes to encourage descriptive language development
Continuous Provision – Investigating with different building materials/ model making with materials discussing the suitability/ Recycle Bus Visit

Animations and videos:

<https://www.youtube.com/watch?v=e5h5RgiagrU>

<https://www.stem.org.uk/resources/community/collection/12725/year-1-everyday-materials>

<https://planbee.com/products/everyday-materials#>

Previously on... (Links to prior learning)

Link to Year EY learning:

Explore collections of natural materials

Describe what they see - properties of everyday materials

Key Vocabulary:

Materials/ objects/ use / sort

Wood/ Plastic/ Glass/ Plastic/ Rock/ Water

Properties/ Hard/ Soft/ Smooth/ Rough/ Waterproof/ absorbent/ Shiny Dull/ See through

Like/ the same/ different

Cross-curricular links:

Information writing - labels

Data handling – sorting and classification

D&T

Celebration of knowledge and skills gained (opportunities for assessment):

- To play a loop game with materials and their properties and uses.
- Link to a design task – Pirate Treasure (see above)/ Stretchy Superhero Toy
- What is the best material for ??? Quiz

Non-fiction texts: