

BIBLIOGRAPHY

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Other Resources

Three Valleys Water, The Water Box, Three Valleys Water. Tel: 0345 724665

Earth Science Teachers Association (ESTA) Publications rock samples, and activities. For information contact: Mr P. York, 346, Middlewood Road North, Outibridge, Sheffield, S35 0HF.

Candle Makers Supplies Ltd. 28, Blythe Road, London. Tel: 020 7602 4031

Further information on materials

There are many publications on different types of materials, which can be borrowed from the library or purchased relatively cheaply. These range from very easy reading for younger children to more complex text.

Your library may also offer CD-ROMs and good information can also be found in a variety of encyclopaedias.

Visits Museums

The Science Museum

Exhibition Road
South Kensington
London SW7 2DD
Tel: 020 7942 4455

Website: <http://www.nmsi.ac.uk> (accessed 08/11/00)

The museum has an excellent gallery all about materials as well as other interactive galleries covering all aspects of science.

The Natural History Museum

Cromwell Road.
London SW7 5BD
Tel: 020 7942 5011

Website: <http://www.nhm.ac.uk> (accessed 08/11/00)

The museum has two galleries displaying natural materials, The Mineral gallery and a new Earth's Treasury gallery, which is interactive.

The Victoria and Albert Museum

At the corner of Cromwell Road and Exhibition Road,
South Kensington
London
Tel: 020 7942 2680

Website: <http://www.vam.ac.uk> (accessed 08/11/00)

This museum has two study galleries about materials, one displays different textiles, the other is about different materials used for ornamental decoration.

Local Museums

Many small museums around the country display examples of local rock and rock formation.

Local Industry

Local industries often have open days where the public can see around the works. More formal partnership activities with industry are described on page xxi.

Local Water Companies

Many local water companies produce leaflets about the 'Water Cycle' and also have 'Open Days' for the public. To find out about your local company you can contact the Water Services Association Tel: 020 7957 4567

Three Valleys Environmental Centre

Clay Lane Treatment Works.
Clay Lane. Bushey, Herts, WD2 3RE
Tel: 0345 724665

This is a local water company which offers a centre for parents and children to visit.

email: tcasey@3valleys.co.uk

Websites

The Victoria and Albert Museum: <http://www.vam.ac.uk> (accessed 08/11/00)

The Natural History Museum: <http://www.nhm.ac.uk> (accessed 08/11/00)

The Science Museum: <http://www.nmsi.ac.uk> (accessed 08/11/00)

Water Services Association: <http://www.water.org.uk> (accessed 08/11/00)

Other useful websites can be accessed via

<http://www.chemsoc.org/networks/LearnNet/thats-chemistry.htm>

Organisations

The Royal Society of Chemistry
Burlington House
Piccadilly
London
W1J 0BA

Tel: 020 7437 8656

<http://www.chemsoc.org> (accessed 08/11/00)

<http://www.rsc.org> (accessed 08/11/00)

<http://www.chemsoc.org/networks/LearnNet> (accessed 08/11/00)

Earth Science Teachers Association.

Mr P. York.

346, Middlewood Road North

Outibridge

Sheffield

S35 0HF

Publications, activities and rock samples

The Association of the British Pharmaceutical Industry

12 Whitehall

London

SW1A 2DY

Tel: 020 7930 3477

<http://www.abpi.org.uk> (accessed 08/11/00)

Suggested Poetry for Materials and their Properties

<i>A Picnic Of Poetry</i>	Anne Harvey	Puffin
Baking Day	Rosemary Joseph	
Left-handed Egg	John Pudney	
Burnt Carrots	Michelene Wander	
Egg Thoughts	Russell Hoban	
On Making Tea	R. L. Wilson	
 <i>A Second Poetry Book</i>		Oxford University
The fate of an icicle	Alan Sillitoe	Press
The Toaster	William Jay Smith	
 <i>A Fourth Poetry Book</i>		Oxford University
The Building Site	Gareth Owen	Press
 <i>Another Fourth Poetry Book</i>		Oxford University
The Touch of Sense	John Kitching	Press
Ice on the Rond Pond	Paul Dehn	
 <i>A Word of Poetry (KS2)</i>	Selected by	Kingfisher
	Michael Rosen	
The Fire of London	Jim Wong Chu	
Water		
Ice		
 <i>Comic Verse</i>	Selected by	Kingfisher
	Roger McGough	
Death of a Snowman	Vernon Scannell	
I'd Like to be a Teabag	Peter Dixon	
Kenneth, who was too	Wendy Cope	
fond of bubblegum and		
met an untimely end		
Balloon	Colleen Thibandean	
 <i>First Poems (KS1/2)</i>	Julia Eccleshare	Orchard Books
Mary and Sarah	Richard Edwards	
The Snowman	Roger McGough	
The Jumbles	Edward Lear	
 <i>Food Poetry</i>	Robert Hull	Wayland
On making Tea	R. L. Wilson	
Blue Peter	Mick Gower	
I Didn't Want To Come	Rita Ray	
To Your Party Anyway		
 <i>Oxford Treasury of</i>	Michael Harrison,	Oxford University
<i>Children's Poems</i>	Christopher Stuart-Clarke	Press

Egg Thoughts	Russell Hoban	
The Toaster	William Jay Smith	
Boiling An Egg	Stanley Cook	
The Snowman	Roger Mc Gough	
Ice	Walter De La Mare	
<i>Please Mrs Butler</i>	Allan Ahlberge	Puffin
Only Snow		
Balls on the roof		
<i>Poems about Weather</i>	A. Earl and D. Sensier	Wayland
I Wonder	Opal Patmer Adisa	
Winter Morning	Frank Flynn	
Cloudburst	Richard Edwards	
Shower	Moira Andrew	
<i>Scrumdiddy</i>	Jennifer Curry	Red Fox
Making Chocolate Cake	Janis Priestley	
Egg Thoughts	Russell Hoban	
<i>Science Poetry</i>	Selected by Robert Hull	Wayland
Electricity	Rebecca Hughes	
Facts About Air	John Foster	
Crystals	Barrie Wade	
Bubbles	Ryan Goad	
<i>Sense and Nonsense</i>	Susanne and	Macdonald
Tasting	Shona Mckellar	
Listening		
Touching		
Looking		
<i>The Word Party</i>	Richard Edwards	A Young Puffin
Cloudburst		
<i>When We Were Very Young</i>	A. A. Milne	Metheun
Happiness		
Sand – between – the toes		
<i>Time for One More</i>	Leila Berge	Metheun
Wellingtons		
<i>Whispers From a wardrobe</i>	Richard Edwards	Puffin
Tears on Monday		
Whistling		
The Rain		
<i>Walking The Bridge of Your nose</i>	Word play poems selected by Michael Rosen	Kingfisher
Esau Wood		
Down the slippery slide		
Scouring round the porridge pot		

<i>Wondercrump Poetry</i>	Roald Dahl Foundation, By children for children	Red Fox
Bubbles	Aaron Davies	
The Rain Poem	Vicky Slight	
Rain	Daniel Williamson	
Fog	Fahad Shahid Sayood	
Vesuvius – Tears of Fire	Almeena Ahmed	

Nursery Rhymes

<i>Incy, Wincy Spider</i>	Puddles-evaporation
<i>Jackfrost</i>	Change of state, water, ice
<i>Doctor Foster</i>	Rain, watercycle
<i>The Queen of Hearts</i>	Cooking, effect of heat on pastry and jam
<i>Polly Put the Kettle on</i>	Evaporation and condensation
<i>One Misty, Moisty Morning</i>	Solids, liquids gases, water vapour
<i>London Bridge is Falling Down</i>	Strength of materials, metals rusting
<i>Pat-a-cake Baker's Man</i>	Cooking, effect of heat and mixtures
<i>Five Currant Buns</i>	Cooking, effect of heat and mixtures
<i>Baa, Baa, Black Sheep</i>	Types of fabrics-wool. Strength of bags to hold the wool
<i>Old King Cole</i>	Pipe, bowl, materials for different uses

Traditional Stories for Material and their Properties

<i>Sleeping Beauty</i>	Changing materials over time, erosion, rusting, weathering, rotting
<i>Goldilocks</i>	Strength of the materials used for beds and chairs Temperature of the porridge and how to keep it warm. Which size bowl cooled the quickest?
<i>The Three Little Pigs</i>	The best materials for building the house, a waterproof roof
<i>Dick Whittington and Puss in Boots</i>	Materials for the strongest boots Materials to make a strong, waterproof cloth to carry things in on his stick
<i>Babes in the Wood</i>	Keeping warm in the woods at night – insulation. Make a 'nest' which would keep things the warmest

<i>Little Red Riding Hood</i>	Insulation. Keeping food warm on the way to grandma's house
<i>Rapunzel</i>	How strong is hair? Test hair and other threads for strength
<i>Hansel and Gretel</i>	Cooking. Make an edible house, gingerbread mixture, icing sugar
<i>The Gingerbread boy</i>	Cooking. Making gingerbread, using different recipes
<i>The Emperor's New Clothes</i>	Transparent, opaque, translucent, different types of fabrics
<i>The Steadfast Tin Soldier</i>	Effect of heat on metals
<i>The Wizard of Oz</i>	Tin man – lubricating the joints, rusting. Metals-are they all magnetic?
<i>The Remarkable Rocket</i> (Oscar Wilde)	Burning
<i>The Happy Prince</i> (Oscar Wilde)	Precious rocks, effect of heat on materials
<i>Daedalus and Icarus</i> (Greek Myth)	Effect of heat on materials
<i>Why the Sea is Salt</i> (Norwegian tale) Faber Book of Folk Tales (Faber, 1980)	Dissolving
<i>How Rabbit Stole the Fire.</i> (American Indian Tale) Joanna Troughton, (Blackie, 1983)	Burning