## YEAR 2 USES OF EVERYDAY MATERIALS PLANNING

## Class:

Term:
Subject: Science
Unit: Uses of Everyday Materials

Differentiation and support (Detailed differentiation in weekly plans.)
SEN: write up investigations on writing frames. Support from more able partners in mixed ability work. Additional adult support.

GT: provide headings for experiment sections. Encourage predictions conclusions that draw on scientific knowledge. Provide extension activities to apply their own knowledge and to research information independently

English: writing up experiments in sequence using technical language, new vocabulary and listening for information in video clips

Maths: categorising materials, Venn diagrams drawing bar graphs
ICT: videos and activities on IWB, testing materials simulation
Geography and PSHCE: sustainability (reduce, reuse, recycle)
D\&T: suitability of different materials for different purposes

| Wk | Learning objective | C Teaching activities | Resources | Assessment: Success Criteria |
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| 1a | To show existing knowledge about materials <br> (10 mins) | Children to complete given a mind map with named branches e.g. properties of materials, to show what they already know | Mind maps | Formative assessment |
| 1b | To identify where different materials are used in our homes (35 mins) | Intro: <br> Ask children to think, pair, share some examples of objects and the materials that they are made from in our homes, school, the park, the street or anywhere else that they spend time Discuss how we can tell what material things are made from (look, feel, sound, texture), although this can be different in different objects made from the same material e.g. glass is usually smooth, but frosted glass can be bumpy <br> Show children the images of a kitchen, bathroom, living room and bedroom <br> For each image ask them to think, pair, share what materials they can see have been used and what they have been used for <br> Explain independent work <br> Leave images of rooms up throughout independent work <br> Main: <br> Children need to record examples of objects that are made from wood, paper, fabric, glass, rock, metal, plastic and ceramics <br> Encourage children to have a few examples of each, not just lots for one or two <br> Plenary: <br> Share examples of objects made from each different material Complete the activities on identifying materials at https://www.bbc.co.uk/bitesize/topics/z4339j6/articles/zx8hhv4 (scroll down to get to the activity) | Worksheets <br> Links open and ready for plenary | MUST: understand that objects are made from materials <br> SHOULD: correctly identify which material some items are made from <br> COULD: as above, but for more items |




|  | To know a range of properties of materials (50 mins) | Intro: <br> Revise how objects are made from materials, and give an example e.g. a window being made from glass <br> Ask children to think, pair, share the name of as many different materials as they can, and some examples of objects that are made from that material <br> Revise how a property of a material tells us something about it e.g. paper is bendy <br> Ask children to think, pair, share as many examples of properties of materials as they can Model for children how to look the definitions of word up in the glossary of a book and in a dictionary <br> Explain independent work (tell children to leave space for cutting and sticking the images) <br> Main: <br> Part One <br> Children to work in small groups of 3 to 4 <br> Give them a series of properties of materials with their definitions, but jumbled up so that the definition does not match the property <br> In their teams, children need to cut up the properties and their definitions and use the books and dictionaries to re-arrange them so that they match, and then stick them on A3 paper Award points / prize to team who completes this the fastest <br> Part Two <br> Give children copies of catalogues and set time limit for this task <br> They need to cut out images of objects from the catalogues and stick them under / next to a property that they have e.g. they might stick a picture of a glass next to the word 'brittle' Tell children that they still need to complete the first task, if they have not done so already Award points to team who has stuck the most images of objects next to appropriate properties <br> Plenary: <br> Children to come and display their A3 sheets from the tasks <br> On the IWB, show children the properties and their definitions jumbled up again Children to drag the definition to be next to the correct property (or draw a line between them if dragging and dropping proves too fiddly) | Lists of properties and their meanings <br> Scissors <br> Glue <br> A3 paper <br> Dictionaries <br> Non-fiction books on materials <br> Catalogues e.g. <br> Argos | MUST: know a number of properties that materials can have <br> SHOULD: as above, but also know and understand the meaning of those properties and some examples of objects that have these properties <br> COULD: as above, but with all of the properties covered in the lesson |
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To access the complete Year 2 Uses of Everyday Materials planning, and all of the resources needed to teach it, visit:
http://www.saveteacherssundays.com/science/year-2/383/

