Durham Lane Primary School: Topic Planning Year B

<u>10</u>	opic: This is the mouse that a	<u> Jack Built/ Seasonal Changes –</u>	<u>Autumn</u>	<u>Term: Autumn 1</u>	<u>Class:</u> 1/2 <u>Teacher:</u>
Subjects	Objectives	Key Knowledge	Key Vocabulary	Skills	Activities/ Tasks
Science	Year 1 only Everyday Materials 1.13 Distinguish between an object and the material from which it is made. 1.14 Identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock. 1.15 Describe the simple physical properties of a variety of everyday materials. 1.16 Compare and group together a variety of everyday materials on the basis on their simple physical properties.	<ul> <li>To know the name of the material an object is made from.</li> <li>To name and identify common and everyday materials.</li> <li>To use words to describe and compare the properties of materials.</li> </ul>	wood plastic metal glass paper fabric card rock strong transparent translucent opaque absorbent flexible stretchy waterproof durable stiff rough smooth compare	<ul> <li>Asking Questions &amp; Planning Enquiries</li> <li>Explore the world around them and raise their own simple questions.</li> <li>Experience different types of science enquiries, including practical activities.</li> <li>Begin to recognise different ways in which they might answer scientific questions.</li> <li>Testing, Measuring &amp; Recording</li> <li>Carry out simple tests.</li> <li>Use simple features to compare objects, materials and living things and, with help, decide how to sort and group them (identifying and classifying).</li> <li>With help, they should record and communicate their findings in a range of ways and begin to use simple scientific language.</li> <li>Concluding</li> <li>Talk about what they have found out and how they found it out.</li> </ul>	<ul> <li>Year 1</li> <li>To go on a materials hunt aro one material a week: wood, m find objects around school for</li> <li>To make feely boards of differ each material.</li> <li>Investigation: Jack needs a ma understand the term waterpro waterproof.</li> <li>Investigation: Jack needs some little light through as possible. and translucent. To investigate the most light through.</li> <li>Investigation: To investigate h</li> <li>Thinking skills activity to sort recycling. Can they sort object</li> <li>To make a house out of midge 'hairdryer' blow it down?</li> </ul>
	Year 2 only Uses of Everyday Materials 2.10 Identify and compare the suitability of a variety of everyday materials including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. 2.11 Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	<ul> <li>To know that certain materials are best suited for certain tasks.</li> <li>To know that some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>	describe properties suitability squash bend twist identify		<ul> <li>Year 2</li> <li>Complete a materials hunt are naming and identification of m</li> <li>Make materials munchers usin muncher objects made of their</li> <li>Ask questions about the materials of glass? Clothes made</li> <li>Write ridiculous materials poet made of jelly etc.</li> <li>Write materials riddles by destithe materials in each other's rise</li> <li>Investigate objects that can be metal, plastic, metal, wood, poet for each?</li> <li>Research houses in different clo of and why? Design a house for the materials you did.</li> <li>Complete midget gem and coor hairdryer disguised as a wolf.</li> <li>Investigate which material is be do curtains have? Use light meterials have?</li> <li>Receive an email from Jack research set of the material for the material for the material for mat</li></ul>

round school. Split ch into groups and focus on metal, glass, plastic, fabric, paper, rock. Can we or each of these materials?

erent materials and write down a property of

material which is waterproof for his umbrella. To roof and investigate to see which materials are

me curtains for his house and they need to let as le. To introduce the terms: opaque, transparent ate with torch and black card which materials let

how stretchy different materials are. It materials into different groups. Can link to ects into the correct recycling bin? get gems and cocktail sticks – can the wolf

round school and as part of homework to recap materials.

ing recycled cardboard boxes and feed each ir preferred material.

terials objects are made of. Why are windows e of fabric?

ems imagining what it would be like if cars were

escribing properties and ask children to identify riddles.

be made of different materials e.g. a chair – partly fabric etc. What would the pros and cons

climates/parts of the world. What are they made for a given climate and explain why you chose

ocktail stick building challenge – test houses using f.

best for curtains for Jack's house. What purpose meter to test which fabrics block the light most

Receive an email from Jack regarding a spillage of milk in the 'House that Jack Built'. Investigate which material is the most absorbent and therefore

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Art		<b>T</b>	nondla		<ul> <li>best for soaking up spills. Rect found out.</li> <li>Understand that some materia them and that some can also investigation with different may complete a range of twists, sq</li> <li>Curly-Wurly investigation – La stretch a Curly-Wurly. Can you then T demonstrates. Can it be the total stretch a total stretch a total stretch.</li> </ul>		
Art	<ol> <li>To use a range of materials creatively to design and make products.</li> <li>To develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space.</li> </ol>	<ul> <li>To know that you can join pieces of fabric together by stitching.</li> <li>To know that you have to secure the stitching at the start and the end so your thread doesn't pull through.</li> <li>To know that fabrics were traditionally made by weaving.</li> </ul>	needle thread fabric join stitch weave running stitch material decorate loom	<ul> <li>Exploring/ Evaluating and developing ideas</li> <li>Work from observations and known objects</li> <li>Develop and share their ideas, try things out and make changes</li> <li>Begin to think what materials best suit the task</li> <li>Texture (textiles and collage)</li> <li>Apply decoration to fabric using beads, buttons, feathers etc</li> <li>Weave using different materials – paper, carrier bags, twigs, fabric</li> <li>Start to explore simple stitches to join fabric together</li> <li>Form (Sculpture)</li> <li>Use materials to make known objects for a purpose i.e. puppet</li> </ul>	<ul> <li>To create a puppet using felt l <ul> <li>To explore and practise sin</li> <li>Let children have a go at t stitch on a piece of binca.</li> </ul> </li> <li>To add decoration to their pup feathers, felt.</li> <li>To weave recycled material on range of fabrics and textiles. <ul> <li>To start by weaving paper weave.</li> <li>Move onto weaving with w frame. This will also help t stitch.</li> </ul> </li> </ul>		
DT	1a. Design purposeful,functional appealingproducts for themselvesand others based ondesign criteria.1b. Generate, develop,model and communicatetheir ideas throughtalking, drawing,templates, mock-ups andwhere appropriateinformation andcommunicationtechnology.2a. Select from and use arange of tools andequipment to performpractical tasks (forexample, cutting,shaping, joining andfinishing).	<ul> <li>To know what materials a house can be made out of.</li> <li>To know which materials to use to construct their own house.</li> <li>To know how to make their model stronger.</li> <li>To understand the importance of finishing their product to make it appealing.</li> <li>To know which tools or materials are best suited for each element of the task.</li> </ul>	plan design evaluate model template product materials tools strength strong transparent join attach fold structure	<ul> <li>Design</li> <li>have own ideas and plan what to do next</li> <li>explain what I want to do and describe how I may do it</li> <li>explain purpose of product, how it will work and how it will be suitable for the user</li> <li>describe design using pictures, words, models, diagrams</li> <li>design products for myself and others following design criteria</li> <li>choose best tools and materials, and explain choices</li> <li>research and use knowledge of existing products to produce ideas</li> <li>Make</li> <li>explain what I am making and why it fits the purpose</li> <li>make suggestions as to what I need to do next.</li> </ul>	<ul> <li>House</li> <li>Look at examples of houses ar around the world and the mat</li> <li>To design and construct a hou following a given criteria: roof transparent material, a chimne</li> <li>Choose materials and tools be to their peers.</li> <li>DT day to make houses, using</li> <li>Evaluate completed houses by improved upon.</li> <li>Puppet</li> <li>See also Art objectives. Focus suitability, choose and measur explain how it is done.</li> <li>Midget Gem House</li> <li>Complete midget gem and coc hairdryer disguised as a wolf. can stand up without being bla</li> <li>Newspaper Construction</li> </ul>		

## <u>er: Miss Hugill/Mrs Neave</u>

ecord results and reply to Jack explaining what we

erials can change shape when forces are applied to so be changed back. Complete carousel materials like play dough, foam, foil etc and squeezes etc.

Look at world record clip of someone trying to you stretch it? How long? Children predict and t be put back into original shape?

t linked to fairy tales and traditional tales.

simple stitches to join fabric together.

t threading a needle and practise a simple running 1.

puppets using a range of media e.g. beads, buttons,

on a basic loom using a

er to understand how to

wool on a cardboard towards simple running



and their features. Research different houses from naterials used.

ouse for Jack using a range of materials and oof, door that opens, at least one window with aney.

best suited to the task. Describe their design plans

ng their plans. by explaining what worked and what could be

us on explaining the purpose of the product and its sure materials, joining textiles in different ways and

cocktail stick building challenge – test houses using If. Focus on making a product that is strong and blown over. (See also Science activities) Durham Lane Primary School: Topic Planning Year B

<u>To</u>	<u>Topic: This is the House that Jack Built/ Seasonal Changes – Autumn</u>			<u>Term: Autumn 1</u>		<u>Class:</u> 1/2	<u>Teacher:</u> Miss Hugill/Mrs Neave	
	2b. Select from and use a wide range of materials and components including construction materials, textiles and ingredients according to their characteristics. 3a. Explore and evaluate a range of existing products. 3b. Evaluate their ideas and products against design criteria. 4a. Build structures exploring how they can be made stronger, stiffer and more stable.			<ul> <li>join materials/components together in different ways</li> <li>measure, mark out, cut and shape materials and components, with support.</li> <li>describe which tools I'm using and why</li> <li>choose suitable materials and explain choices depending on characteristics.</li> <li>use finishing techniques to make product look good</li> <li>work safely and hygienically</li> <li>Evaluate</li> <li>describe what went well, thinking about design criteria</li> <li>talk about existing products considering: use, materials, how they work, audience, where they might be used; express personal opinion</li> <li>evaluate how good existing products are</li> <li>talk about what I would do differently if I were to do it again and why</li> <li>Technical Knowledge</li> <li>choose and measure materials/textiles</li> <li>describe some different characteristics of materials</li> <li>join materials/textiles together in different ways and explain how it was done</li> <li>use joining, rolling or folding to make it stronger</li> <li>understand that a 3D textile structure can be made from two identical fabric shapes.</li> <li>use own ideas to try to make product</li> </ul>		5 5 5	example given.	niques to make a newspaper structure that Challenges could be to build a bridge that esn't fall over.
Writing	Refer to Writing Progression Sheets for relevant year group objectives.	See writing progression sheets.	See writing progression sheets.	See writing progression sheets.	•	<b>ar 1</b> Recount of summer h To discuss what a tro is – recap on work fr Reception. Create a wanted pos wolf Sequence the story of pigs Drama – act out the 3 little pigs Retell the story of the	aditional tale om ter for the f the 3 little story of the	<ul> <li>Year 2</li> <li>Share a range of traditional tales and retell orally and using drama. Recognise key features.</li> <li>Retell stories in own words.</li> <li>Hot seat characters from these stories.</li> <li>Write a letter to the wolf in the Three Little Pigs asking I'm why he is so mean and persuading him to stop behaving this way.</li> <li>Read alternative versions of trad tales such as 'The true Story of the Three Little Pigs'. Explore stories told from</li> </ul>

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Tania This is the Usuas that	Topic: This is the House that Jack Built/ Seasonal Changes – Autumn Topic Trans Term: Autumn 1 Class: 1/2 Teacher: Miss Hugill/Mrs Neave					
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			pigs and retell the 3 little pigs point of view of Poem – I wish adjectives to de different places	<ul> <li>from point of view of the wolf. Is he a victim?</li> <li>Learn the rhyme – The House that Jack Built</li> <li>Learn the rhyme – The House that Jack Built</li> <li>Email reply to Jack re absorbency test</li> <li>Write riddles describing materials</li> <li>Write poems about ridiculous materials</li> <li>Write poems about ridiculous materials</li> <li>What if?</li> </ul>		

Subjects	Objectives	Key Knowledge	Key Vocabulary	Skills	Activities/ Tasks
Science Autumn Y1	<b>Seasonal Changes</b> 1.17 Observe changes across the four seasons. 1.18 Observe and describe weather associated with the seasons and how day length varies.	<ul> <li>Key Knowledge</li> <li>To name the four seasons.</li> <li>To know the characteristics for the season autumn.</li> <li>To know that daylight hours become shorter in the autumn.</li> <li>To know that the weather starts to get colder.</li> <li>To know that deciduous trees lose their leaves in the autumn.</li> <li>To know that animals often hibernate in the autumn.</li> <li>To recognise weather patterns associated with autumn.</li> </ul>	autumn season daylight weather colder rain deciduous hibernate	<ul> <li>Testing, Measuring &amp; Recording</li> <li>Observe closely using simple equipment With help, observe changes over time</li> <li>Concluding</li> <li>With guidance, they should begin to notice patterns and relationships</li> <li>Talk about what they have found out and how they found it out</li> </ul>	<ul> <li>Create a signs of autumn discollect seasonal items found classroom.</li> <li>Could create a class big bool the class can add to it and a seasons.</li> <li>In autumn investigate why subook pg 60).</li> <li>Around the end of October, evenings are getting darker of what time it starts getting darker of maths objectives.</li> </ul>
Science Autumn Y2	Seasonal Changes 1.17 Observe changes across the four seasons. 1.18 Observe and describe weather associated with the seasons and how day length varies.			<ul> <li>Testing, Measuring &amp; Recording</li> <li>Observe closely using simple equipment With help, observe changes over time</li> <li>Use simple measurements and equipment (e.g. hand lenses, egg timers) to gather data</li> <li>Record simple data.</li> <li>Concluding</li> <li>With guidance, they should begin to notice patterns and relationships</li> <li>Talk about what they have found out and how they found it out</li> </ul>	<ul> <li>Plant bulbs which should app</li> <li>At the start of the year, 'add photos, sketch, paint, discuss compare to past seasons. Co tree each season.</li> <li>Photograph this tree all year make a time lapse video show</li> <li>Complete a weekly temperat comparison over the year.</li> <li>Complete signs of autumn sh seasons.</li> <li>To collect pinecones and noti how this enables the seeds in open cone to what happens minutes. Why does this happ</li> </ul>

display with a season tray in the classroom and d in nature to observe and discuss in the

ook entitled 'Our school through the year' where l annotate to show their understanding of the

some leaves change colour (Nicky Waller Science

r, children should observe the mornings and and the days are getting shorter. To talk about dark on the evening. Can link to time and Y1

appear in the spring.

dopt' a tree in the school grounds and take uss what they notice about the tree later and Could start a four part sketch, drawing the same

ear, maybe once a week and combine photos to howing changes throughout the year. rature chart and record temperature each week for

sheets where children have to spot signs of the

otice that cones are usually open and learn about inside to be dispersed by the wind. Compare an ns when they hold one under water for several ppen?