

we classify these	Activity 1: Objects in the middle of the table, the children to	Activity 2: Material hunt	
materials?	identify the objects and then to name them, what material is the object made out of?	sheet and outside area.	Homework- Pre-task- name objects around the house-
Science Capital:	,	Activity 3: Venn Diagram/	what material are they made
Material Hunt at	Activity 2: Material hunt- go in the local environment around	cut and stick sheets.	out of.
home, what can you	school and identify the objects they find and discuss/ identify		
find? What is it used	the material the object is made out of.		
for?	Activity 3: Cut and stick the different objects and classify into		
	the correct material. Have Venn diagram to classify the		
Science Working	different materials.		
scientifically Skills:			
Classify the different			
objects found on			
the hunt in different			
material types-			
glass, fabric etc.			

2)	What is the difference between the object and material it is made from? Science Capital: What are the objects around your home? What material are they made from? Science Working scientifically Skills:	<ul> <li>Science Reasoning task: Explorify: Brushing up- Odd one out- What is the same? What is different? Discuss the appearance, where they might be found and what they do.</li> <li>Activity 1: classify object and material -Which is the object name and what is the material the object is made out of.</li> <li>Activity 2: Write sentences about labelling which is the object, and which is the material.</li> </ul>	Activity 1: classify object and material -Venn Diagram and cut and stick objects to classify / real objects to classify. Activity 2: Write sentences about labelling which is the object, and which is the material.	Science Reasoning: I have classified them here because 
3)	Can we describe the properties of different materials? Science Capital: What is a table	<ul> <li>Science Reasoning task: Explorify: It's in the bag! Odd one Out What is the same? What is different? Discuss the appearance, where they might be found and what they do.</li> <li>Activity 1: classify object and material -Which is the object name and what is the material the object is made out of.</li> </ul>	Activity 1: classify object and material -Venn Diagram and cut and stick objects to classify / real objects to classify.	Science Reasoning: metal is shiny
	made out of? Why is that suitable material? Science Working scientifically Skills:	Activity 2: have arrange of objects and thought shower words to describe the object- use feely bag to hide the objects and children to use their senses to describe- create a word bank of words to use to describe properties of materials.	Activity 2: Write sentences about labelling which is the object, and which is the material.	
	classify/ observing	Activity 3: Choose object and describe the different properties of the object/ material.		

4)	Which material is waterproof? Science Capital: What do you have that might be waterproof? Why is that helpful? Science Working scientifically Skills: Comparative	<ul> <li>Science Reasoning task: Explorify: Fantastic Fibres: What is happening in the video? Discuss the appearance, where they might be found and what they do.</li> <li>Activity 1: Plan together how to investigate which material of clothing would be waterproof- come up with a question.</li> <li>Activity 2: Prediction – discuss the concept cartoon, who do you agree with most and why?</li> <li>Activity 3: What equipment will be needed to complete the experiment?</li> <li>Activity 4: Discuss how the experiments are to be conducted and write a list of numbered steps.</li> <li>Activity 5: Carry out experiments and record results in prepared table.</li> <li>Activity 6- Discuss what the results show and what they found out- answer the enquiry question.</li> </ul>	<ul> <li>Activity 1, 2,3:4 – Floor book to record ideas and suggestions.</li> <li>Activity 5: prepared table for pupils to complete, differentiated.</li> <li>Activity 6- Sentence stem to complete for conclusion.</li> </ul>	Science Reasoning: I think because
5)	Can we classify different materials? Science Capital: Do you know where we get different materials from? Science Working scientifically Skills: classify/ observing	<ul> <li>Science Reasoning task: Explorify: Spinning Yarn- Show video of sheep being shorn and journey of wool. Discuss, where different materials come from.</li> <li>Activity 1: Classify different materials in different material types/ some choosing their own criteria. (Waterproof and not waterproof)</li> <li>Activity 2: Classify different materials in different material types/ some choosing their own criteria. (Magnetic and nonmagnetic)</li> </ul>	<ul> <li>Activity 1,- Venn Diagrams and objects or picture cards to classify. (Possible water and pipette to test out)</li> <li>Activity 2: Venn Diagrams and objects or picture cards to classify.</li> <li>Activity 3- Venn Diagrams and objects or picture cards</li> </ul>	Science Reasoning: I think because Assessment: Using prior knowledge from previous lessons to know properties of materials to help with classification.

6) Which material is	Activity 3: Classify different materials in different material types/ some choosing their own criteria. (wood, plastic, glass, metal etc) Science Reasoning task: Explorify: Dressed for the	to classify. (Magnets to use to help classification)	Assessment: Using prior
best to build a house out of? Science Capital: Which fabric do you wear in the winter? Which fabrics do you wear in the summer? Science Working scientifically Skills: Engineering skills ??? (>) () () () () () ()	<ul> <li>weather: Discuss why different materials are more suitable for wearing in different weather conditions.</li> <li>Assessment: <ul> <li>Activity 1: Share problem with children of building a house with chosen materials – thought shower what a house needs to be.</li> <li>Activity 2: Plan and note down the resources to be used.</li> <li>Activity 3: Create using resources</li> </ul> </li> <li>Activity 4: Evaluate the designs created and modify where necessary.</li> </ul>	Activity 2 /3/4: Plan and note down the resources to be used on prepared sheet.	knowledge from previous lessons to know properties of materials to help with creating a house. Describing the different properties of the materials used.