







Key Facts	Diagram/Investigations											
<ul style="list-style-type: none">Objects are things that you can touch or see.Objects are made from materials.Glass is transparent because you can see through it.Plastic is smooth because it has no bumps.Metal is stiff because you can't bend it.Some materials are all the same because they are shiny. Some materials are all the same because you can stretch them.Wood and paper are the same because they are transparent. They are different because wood stiff but paper is bendy	<div><div><p>Pictures For EXPLORING</p><p>Use this if you want to tell the story of what you did or what you observed, e.g. bread going mouldy</p></div><div><p>Table For FAIR TESTING/PATTERN SEEKING</p><table><tr><th>What I Change</th><th>What I measure</th></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table><p>Use this to record your information. You can transfer it into some of the other forms as well. It could be all numerical or words</p></div><div><p>Venn Diagram For CLASSIFYING/GROUPING</p><p>Use this to show how objects are grouped together and any that could be in either group. You can use more than 2 circles or groups, e.g. animals that live on land or on water, with those that do both in the middle</p></div></div>	What I Change	What I measure									<div><p>Group materials by their properties</p><p>What material would be best to mop up a spillage? Testing absorbency</p></div> <div><p>Questions to think about: Why are objects (example – scissors) made out of certain materials? Could you make a house out of sand? Why not? What do you need to wear in the rain? Why? What are those items made of? Why?</p></div>
What I Change	What I measure											
Key Learning:	Prior Learning:	Books to support/ Enrichment Opportunities:										
<p>Which materials are some objects made from? What words can I use to describe materials? How can I group these materials? How are these materials the same and how are they different? How and why are materials used?</p>	<ul style="list-style-type: none">Objects feel and look different based on the material they are made from.Use different materials when painting and making art	<p>(Any visits, experiments, guest speakers, curriculum days, home / school projects etc.)</p>										

Subject Specific Vocabulary

Key word	Definition
Absorbent	Soaks up liquid easily
ask questions	Use the question words what, where, when why, how
Brittle	Breaks or snaps easily
compare and contrast	Look at two or more objects and describe
diagram	A labelled picture
differences	what is different
Dull	Not very bright or shiny
Flexible	Can be bent easily
Hard	Firm - may not be easily broken or bent
Liquid	Liquids can flow or be poured easily.
Material	The 'stuff' an object is made out of
Object	A thing that can be seen and touched
observe closely	Use senses to watch what happens
Opaque	Does not let light through – not see through
Properties	A way to describe something
record	Drawings, diagrams, photos, writing and numbers to show what I have found out.
Rigid	Doesn't change shape easily
Rough	Has an uneven surface
Shiny	Reflects light easily
similarities	what is the same
Smooth	An even surface with no lumps or bumps
Soft	Easy to cut, fold or change shape
sort and group	Organise materials by their properties
Stretchy	Can be made longer or wider without breaking
Surface	An outside part or layer of something.
Translucent	Lets some of the light through
Transparent	Lets all of the light through – see through
Waterproof	Keeps out water