



Key ideas	
Seasonal changes	Changes through Autumn - Winter
Observes changes in weather	Weather changes Autumn –Winter
Describe weather associated with the seasons	Weather associated with Autumn and Winter
Making predictions	Using what you know to think about what might happen
Performing simple tests	Carrying out simple practical science tests
Matching simple materials to their uses.	Naming various simple materials and matching them to what they are used for (for example wood is used for a table, glass is used for a window)
Distinguishing between an object and the material from which it is made.	Knowing that the object and material are different.
Everyday materials	Different materials that objects can be made from
Uses of everyday materials	What different materials are used for
Describing the physical properties of everyday materials	Describing what a material is like (for example hard, flexible, transparent, waterproof)
Comparing and grouping materials based on their properties	Different materials can have similar properties.

Key facts	
A material is what an object is made out of.	
The use of a material is what it is used for.	
Floating means that the object stays on the surface of the water	Some substances float while some others sink
Sinking means the object will drop below the surface of the water	
Absorbent means that that a material soaks up water	
Waterproof means that a material does not soak up water, the water runs off the surface of the material	
Flexible means that a material is bendy.	
The weather changes between the seasons of Autumn and Winter.	
In the Autumn the leaves change colour and fall from the trees.	
In Winter the days get shorter and it gets dark earlier.	
In Winter some animals hibernate from the cold.	



Enquiry Questions – Materials and their Properties

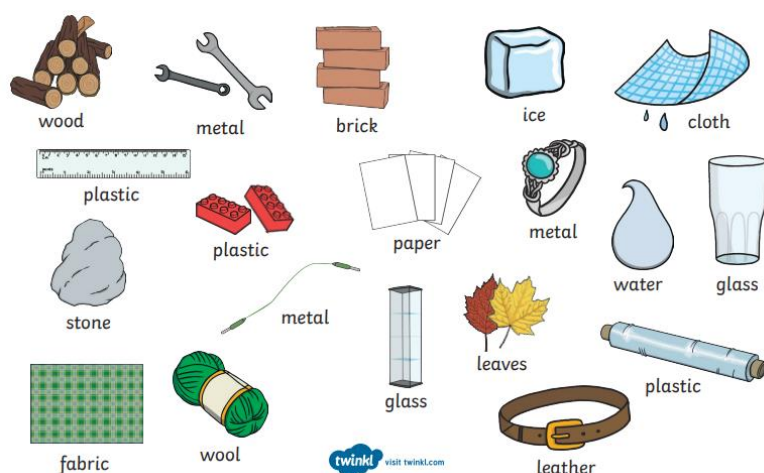
Can you compare and group together a variety of everyday materials based on their simple physical properties?
What material would be best for . . . ?

Key vocabulary	
Season	the weather and climate changes across the year
Autumn, Autumnal	Autumn is the season between summer and winter when the weather becomes cooler and the leaves fall off the trees.
Winter	Winter is the season between autumn and spring when the weather is usually cold.
Weather	the state of the atmosphere at a particular time (for example rain, sun, snow)
Materials	what the object is made out of (for example wood, plastic, glass, metal, rock)
Property	The characteristic of the material (for example shiny, soft, flexible, rigid, hard)
Use	What something is used for
Transparent	Can see-through
Opaque	Cannot see-through
Float	Stays on the surface of the water
Sink	Falls to the bottom of the water
Prediction	Making a sensible guess about what you think might happen
Test	What to practically do to find out the answer
Conclusion	What happens in the end



Descriptions of physical properties

RIGID
crunchy **woven**
gooey **sticky**
squashy **prickly**
soggy **bendy** **soft**
hard **smooth** **opaque**
gritty **wrinkly** **shiny**
lumpy **rough**
fuzzy **transparent**
bumpy



Enquiry Questions – Seasonal Changes



Observe and record the weather and temperature over a set period of time, what do you notice?