

Materials and Their Properties

PoS - give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, woods and plastics
NaG - pupils should build a more systematic understanding of materials
WS - pupils should plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

1) Complete the table by investigating the material properties of these items. These will be found on your resource table. (Insert ✓ for yes or ✗ for no).

Property \ Item	Hard	Soft	Transparent	Bendy	Rigid	Stretchy	Waterproof
Mug							
Chair							
Towel							
Pencil							
Door							
Ruler							
Gloves							
Salt Pot							
Shoe lace							

2) Explain why the following materials are selected to make the following items. The words below may help you (provide more than one reason).

rigid lexible impermeable durable smooth warm insulator
grip soft hard transparent opaque light tough



Glass for windows



Rubber for soles



Wool for a jumper



Plastic for a socket



Leather for boxing gloves



Cotton for a towel



Rubber for a hot water bottle



Wood for a chair