

**What should I already know?**

- Objects feel and look different based on the material they are made from.
- We use different materials when painting and making art.

**What will I know by the end of the unit?**

Objects are things that you can touch or see.  
Objects are made from materials.

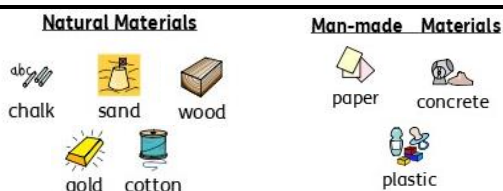
Which materials are some objects made from?



What words can I use to describe materials?



Which materials are natural and which are manmade?



**Vocabulary – properties of materials**

absorbent	material that soaks up water easily
bendy	an object that can easily be made into a curved shape without breaking
brick	rectangular blocks of baked clay used for building walls, which are usually red or brown
dull	a colour or light that is not bright or shiny
elastic	a rubber material that stretches when you pull it and returns to its original size and shape when you let it go
hard	does not break or bend easily
man-made	materials or objects created by people
natural	things that exist in nature and are not made by people
opaque	if an object is <b>opaque</b> , you <b>cannot</b> see through it
rough	uneven and not smooth
shiny	bright and reflects light
smooth	no roughness or lumps
soft	not rough or hard
stiff	firm or does not bend easily
stretchy	you can pull it and it will not tear or break easily
transparent	If an object is <b>transparent</b> , you <b>can</b> see through it
waterproof	does not let water pass through it
wood	the material which forms the trunks and branches of trees

**Vocabulary – types of material**

fabrics	cloth or other material produced by weaving together cotton, wool or other threads.
foil	sheets of metal as thin as <u>paper</u>
glass	a hard transparent material, it is most often man-made but can be natural (obsidian, formed from volcanoes)
metal	a natural material that can transfer heat and electricity through itself
plastic	a man-made material which is light in weight and waterproof
rock	the hard substance which the Earth is made of
water	a clear liquid, rain is made of water, water fills up rivers, lakes, and oceans.

**Data Handling**

Grouping objects.

Natural	Man-made
chalk sand wood gold	paper concrete plastic