



Science

Everyday Materials

Sorting

Aim

- I can sort objects by their properties.

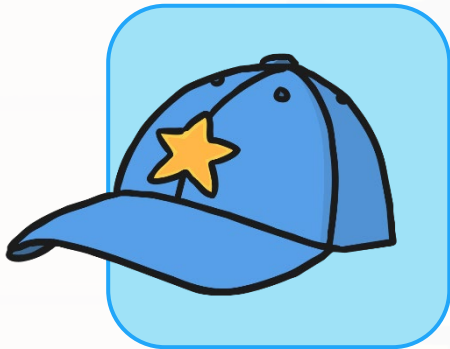
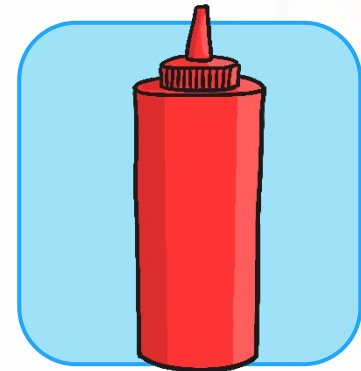
Success Criteria

- I can group together objects with the same properties.
- I can explain how I have sorted the objects.

Sorting



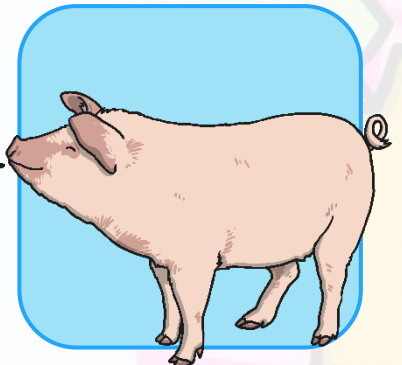
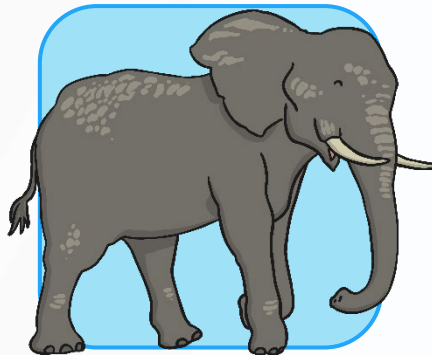
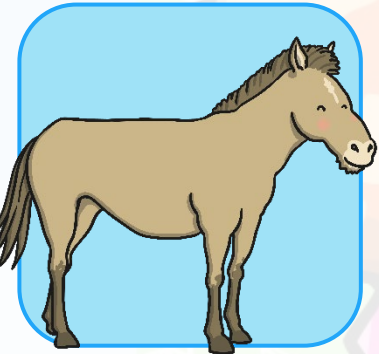
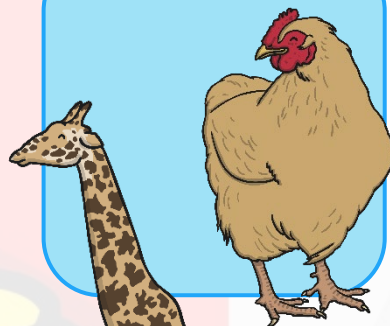
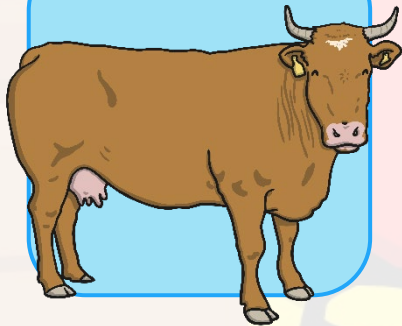
How could I sort these objects into two groups? Talk to your partner.



Sorting



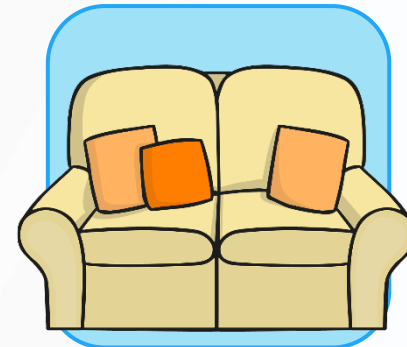
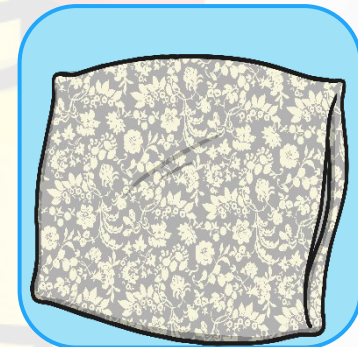
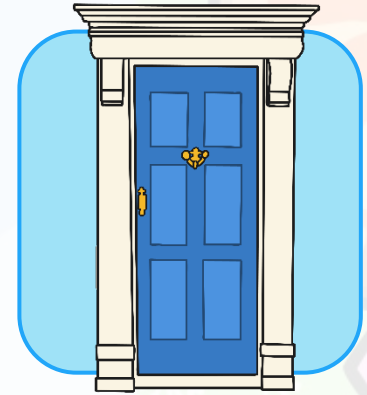
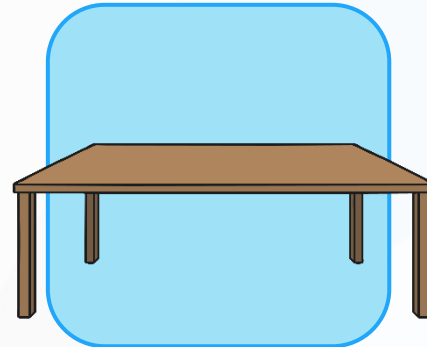
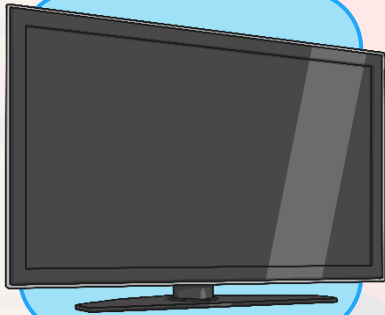
How could I sort these objects into two groups? Talk to your partner.



Sorting



How could I sort these objects into two groups? Talk to your partner.



Sorting Circles



Look at the different objects. Pass them carefully around the circle. Think about:

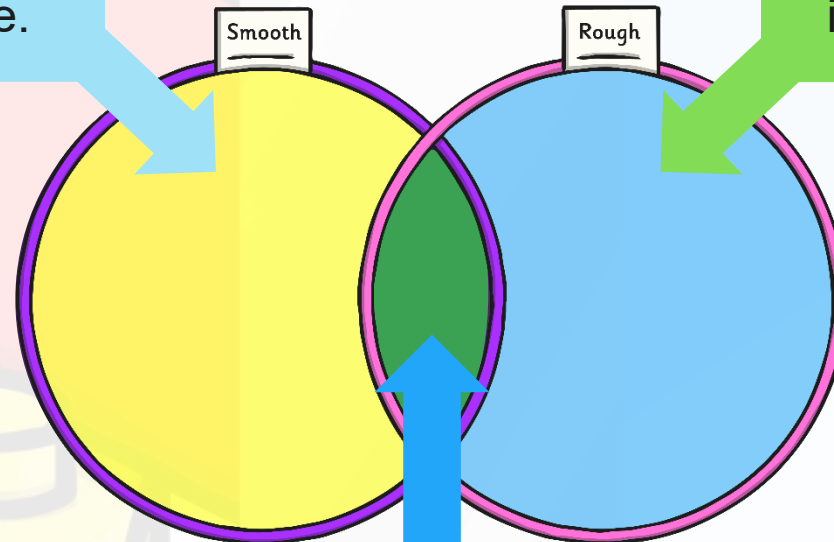
- what they look like;
- how they feel;
- words we could use to describe their properties.





Sorting Circles

Put smooth objects inside this circle.



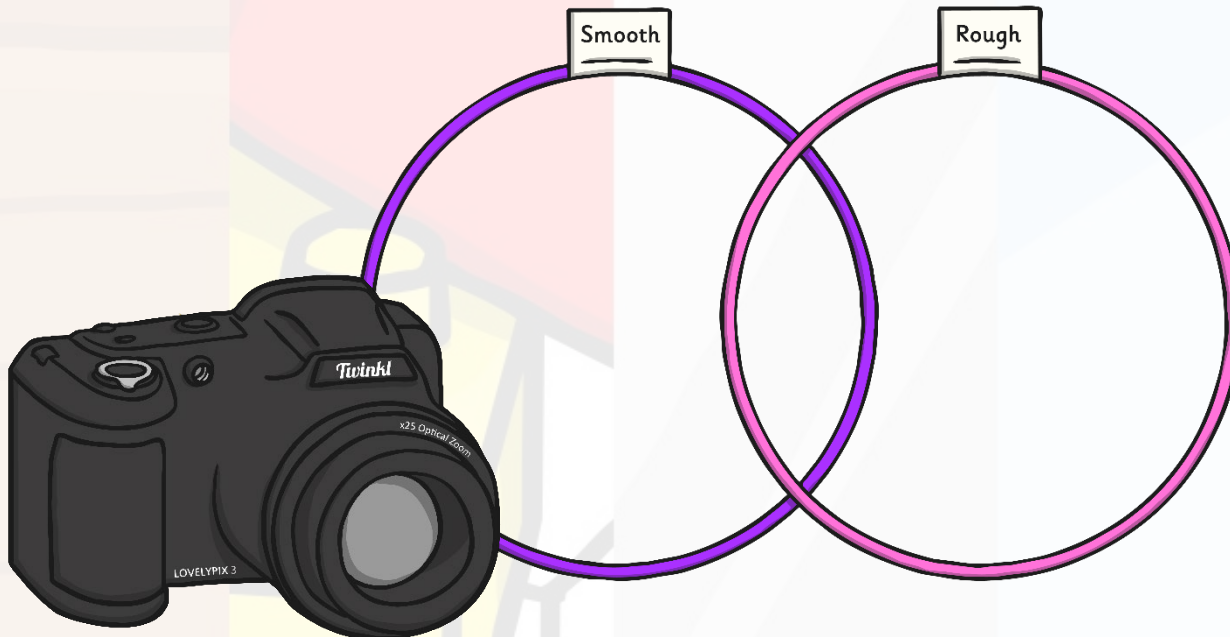
Put rough objects inside this circle.

Put objects which are both rough and smooth where the circles overlap.

Property Sort



Use the hoops to sort out your objects by their properties
Remember to take a photo to show how you sorted them.





Material Sort

Work together as a group to sort the cards into the different materials they are made from.

Remember that working as a group means:

- listening to each other;
- respecting what everyone says;
- letting everyone have a turn to speak;
- making decisions together.



Aim



- I can sort objects by their properties.

Success Criteria

- I can group together objects with the same properties.
- I can explain how I have sorted the objects.



Everyday Materials: Sorting

Aim: To compare and group together a variety of everyday materials on the basis of their simple physical properties by sorting objects. I can sort objects by their properties.	Success Criteria: I can group together objects with the same properties. I can explain how I have sorted the objects.	Resources: Lesson Pack Sorting hoops Camera
	Key/New Words: Sort, group, compare.	Preparation: Everyday Materials Vocabulary Cards - as required Waterproof Sorting Cards and Transparent or Opaque Sorting Cards - as required Sorting Materials Cards - 1 per group Gather a selection of materials and objects made of different materials. Charge the camera.

Prior Learning: Children will have described the properties of everyday materials in lesson 3 and explored their properties in lessons 4 and 5.

Learning Sequence

	Sorting: Children work with a partner to sort each set of pictures on the Lesson Presentation into two groups. Work through each set and discuss how the pictures could be sorted (<i>red and not red, farm animals /zoo/wild animals, hard and soft</i>).	
	Sorting Circles: Sitting in a circle, children look at the different objects and pass them around. <i>How could we describe their properties?</i> Use the Everyday Materials Vocabulary Cards to remind children of the different properties. <i>How could we sort these objects?</i> Using the Everyday Materials Vocabulary Cards , the sorting hoops and the Lesson Presentation , model how to label each circle e.g. rough and smooth. Ask children with a rough object to put it in the circle. Then ask children with a smooth object to put it in the other circle. Identify objects which are both rough and smooth. Where could we put them? Model how to overlap the circles to include any objects which have both properties.	
	Property Sort: Children complete the differentiated activities to sort the objects. <i>Are children able to sort and group objects with the same properties together? Can children explain how they have sorted their objects?</i> Take photos of their sorted objects. (<i>These could be put in books and/or added to a display</i>). Then challenge them to think of absorbent and not absorbent objects.	
	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> Children go on a walk around the classroom or school (if an adult is available). Identify different objects which have different properties e.g. rough and smooth objects, hard and soft objects. </div> <div style="width: 30%;"> Give children 4 sorting hoops and ask them to label them rough and smooth and dull and shiny. Children find objects from around the classroom to put into each hoop. </div> <div style="width: 30%;"> Give children 4 sorting hoops and ask them to label them opaque /transparent / waterproof /not waterproof. Children sort the Waterproof Sorting Cards and Transparent or Opaque Sorting Cards into the hoops. </div> </div>	
	Material Sort: Children sort the Sorting Materials Cards by the different materials they are made from (<i>be aware of some pictures may fall into more than one category, for example the scissors could be grouped with metal and/or plastic</i>). Then allow groups to share how they have sorted them and address any misconceptions. <i>Are children able to explain how they have sorted them? Did any of the children notice that some objects were made from more than one material?</i>	

Taskit

Photographit: Children could takes photos of objects with certain properties and make a poster with them or add them to a display.

Recordit: Children could walk around the school recording how many objects are made from particular materials and make a pictogram or a bar chart.

Everyday Materials | Sorting

I can sort objects by their properties.		
I can group together objects with the same properties.		
I can explain how I have sorted the objects.		

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Everyday Materials
Materials Sorting Cards

twinkl



Everyday Materials
Materials Sorting Cards

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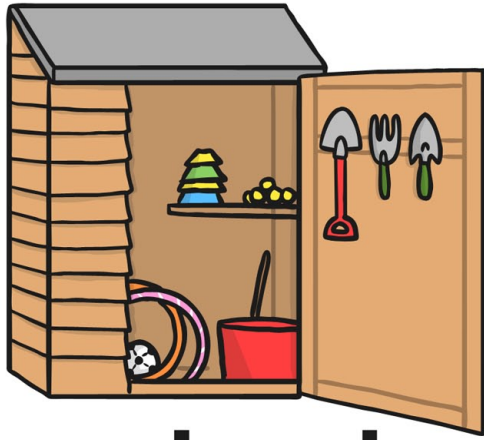
Everyday Materials
Materials Sorting Cards

twinkl

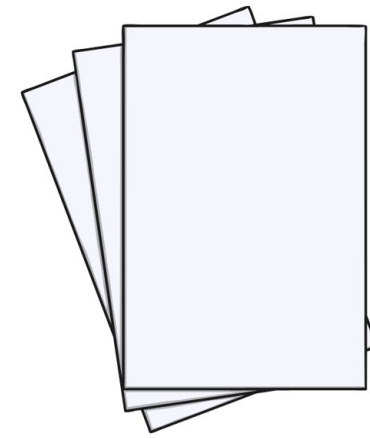


Everyday Materials
Materials Sorting Cards

twinkl



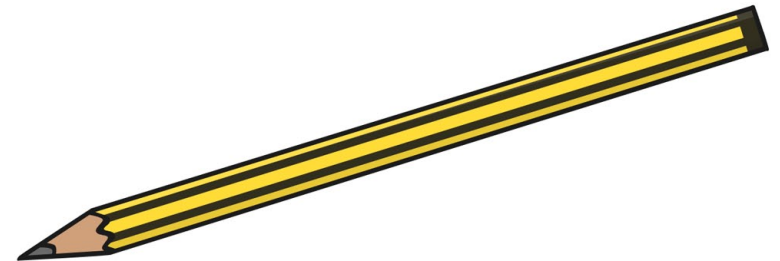
shed



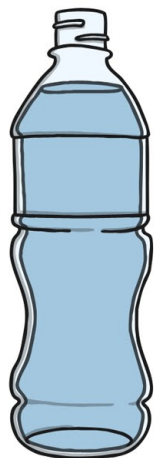
paper



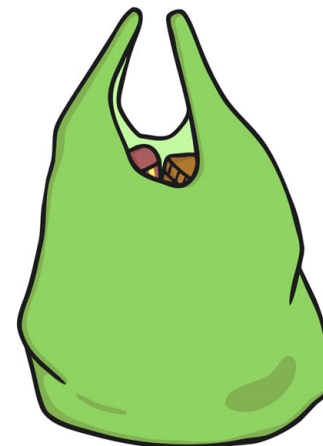
table



pencil



water bottle



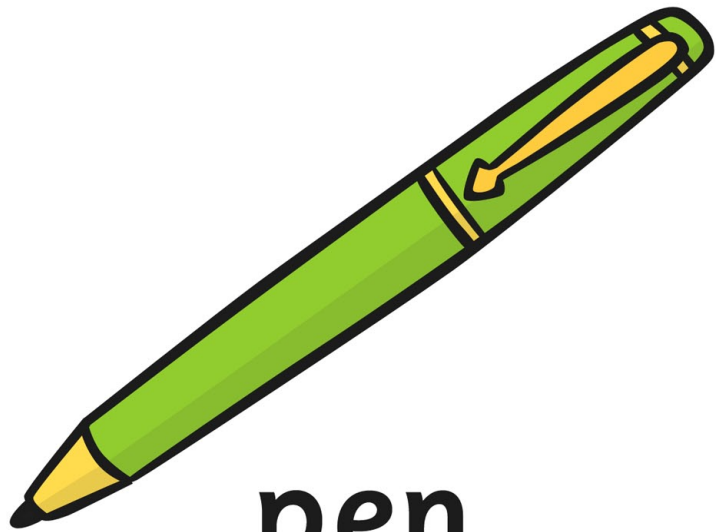
carrier bag



comb



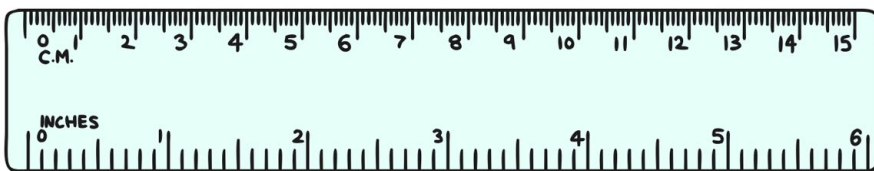
toy soldiers



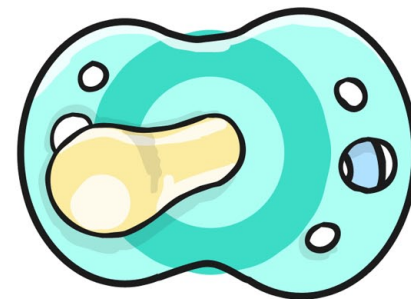
pen



cones



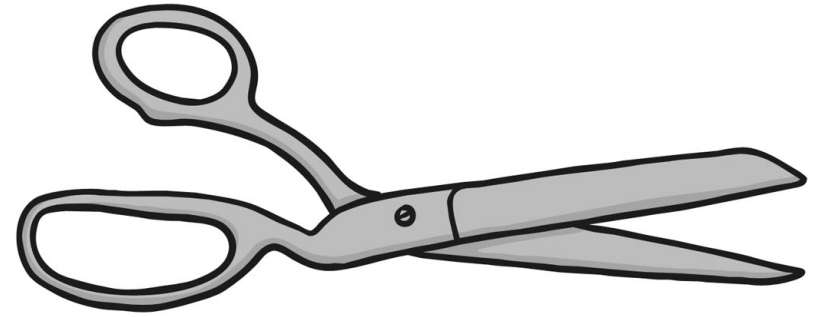
ruler



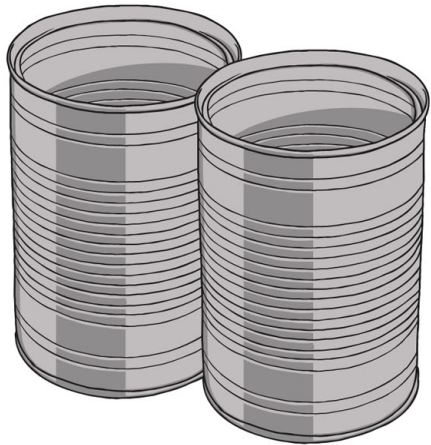
dummy



coins



scissors



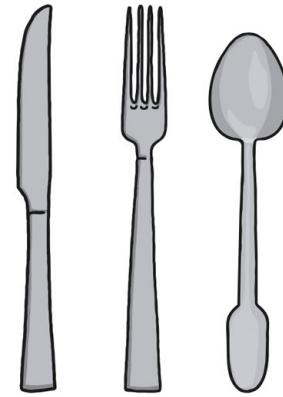
food tins



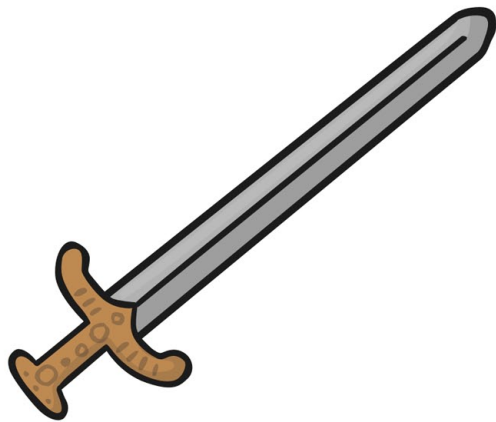
drink can



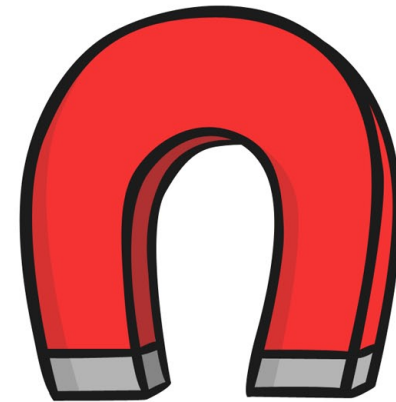
rings



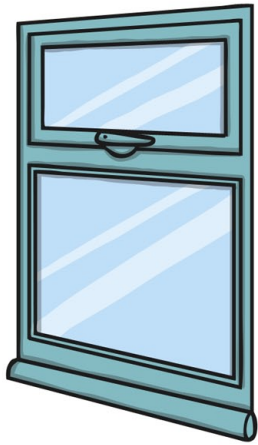
cutlery



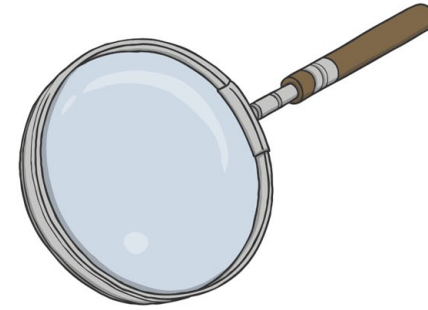
sword



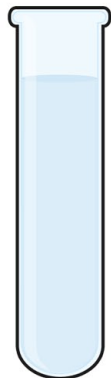
magnet



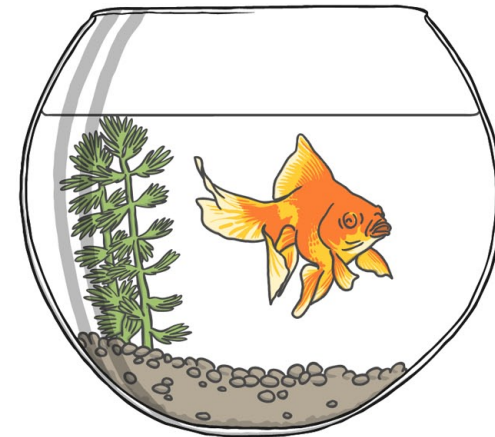
window



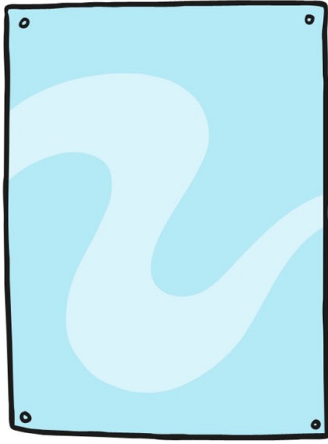
**magnifying
glass**



test tube



fish tank



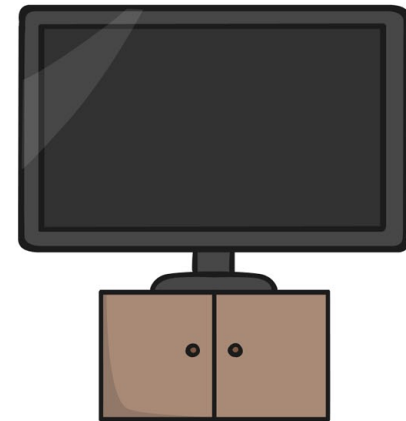
mirror




marbles



wine bottle



TV screen

A background with a brown wood grain pattern.

wood

A background featuring colorful plastic building blocks in red, yellow, and blue.

plastic

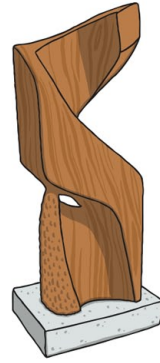
A background with a grey metallic texture and a white cross symbol on the left side.

metal

A background with a light blue color and diagonal stripes in a slightly darker shade of blue.

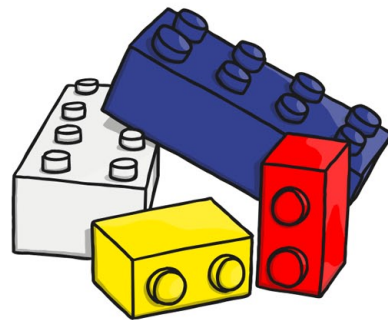
glass

wood



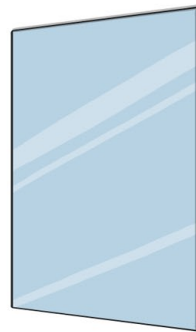
twinkl.co.uk

plastic



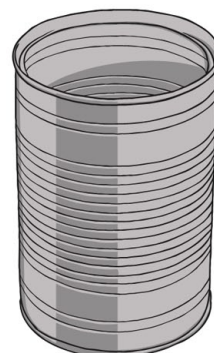
twinkl.co.uk

glass



twinkl.co.uk

metal



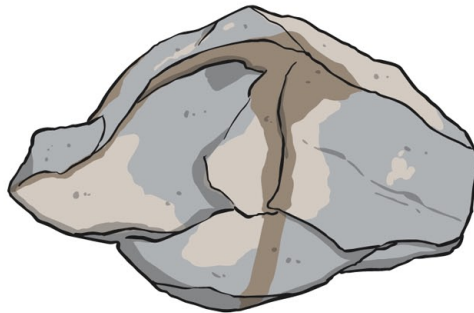
twinkl.co.uk

water



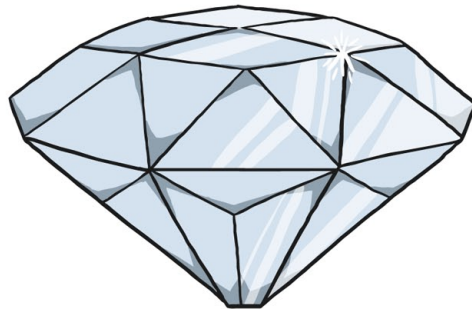
twinkl.co.uk

rock



twinkl.co.uk

hard



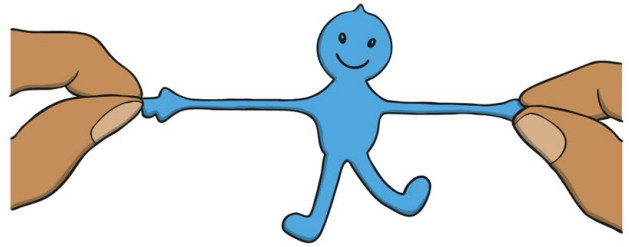
twinkl.co.uk

soft



twinkl.co.uk

stretchy



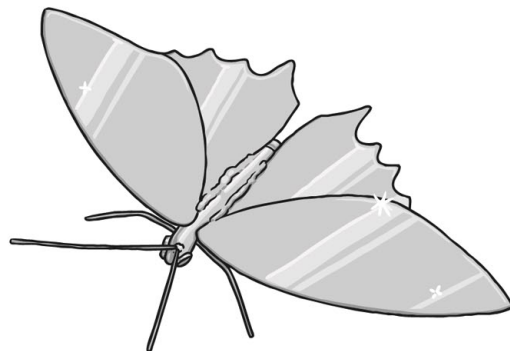
twinkl.co.uk

stiff



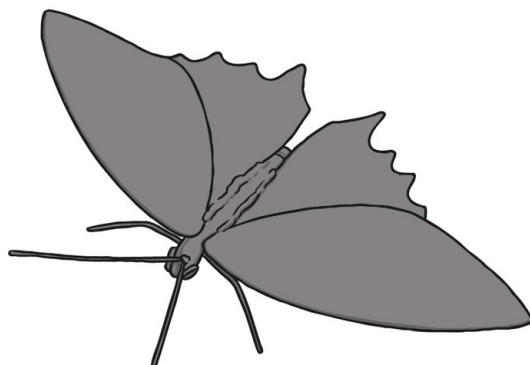
twinkl.co.uk

shiny



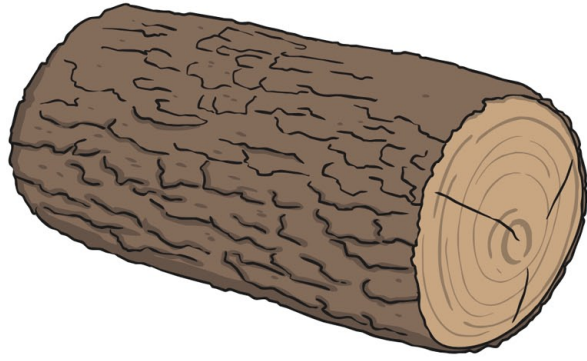
twinkl.co.uk

dull



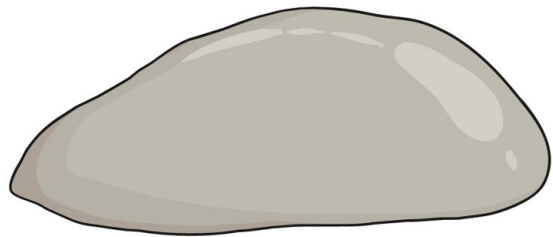
twinkl.co.uk

rough



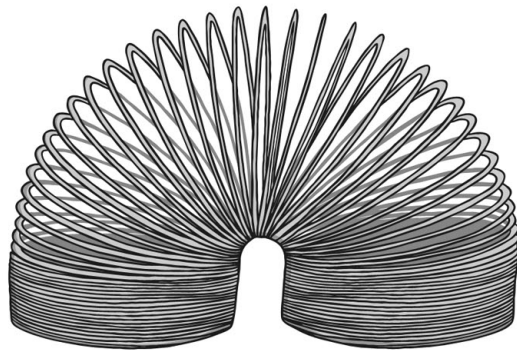
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smooth



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bendy



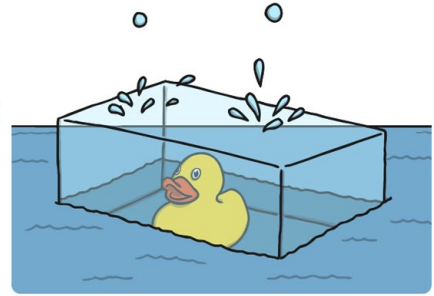
twinkl.co.uk

not bendy



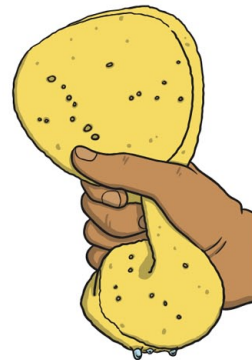
twinkl.co.uk

waterproof



twinkl.co.uk

absorbent



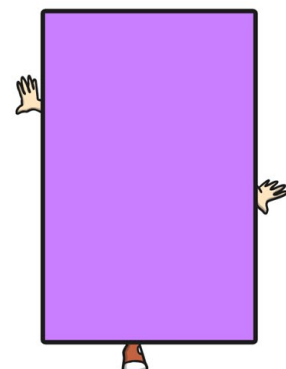
twinkl.co.uk

transparent



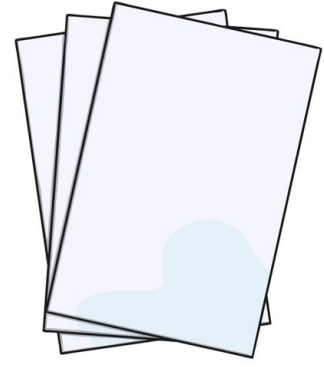
twinkl.co.uk

opaque



twinkl.co.uk

**not
waterproof**



twinkl.co.uk

**not
absorbent**



twinkl.co.uk



Everyday Materials

Transparent or Opaque Sorting Cards

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Transparent or Opaque Sorting Cards

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Everyday Materials

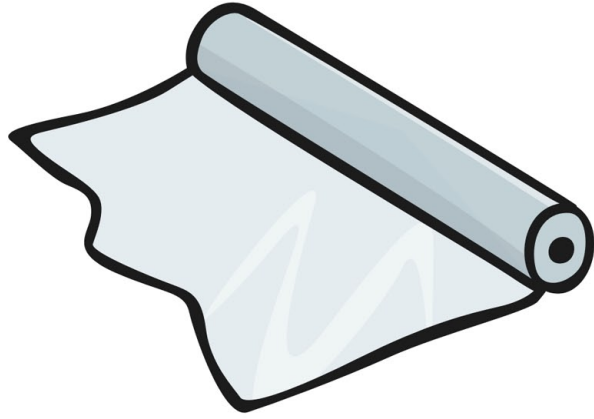
Transparent or Opaque Sorting Cards

twinkl

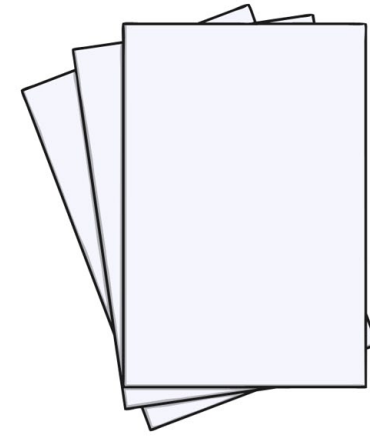
Transparent or Opaque Sorting Activity

Transparent

Opaque



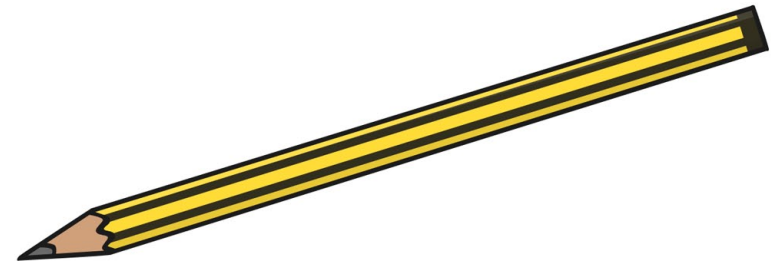
cellophane/clingfilm



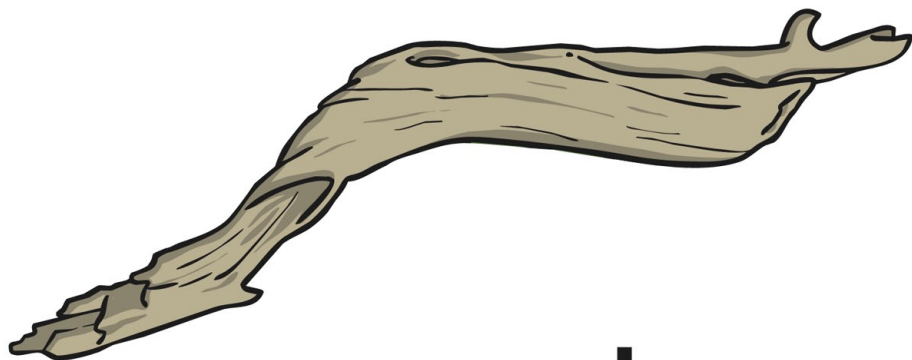
paper



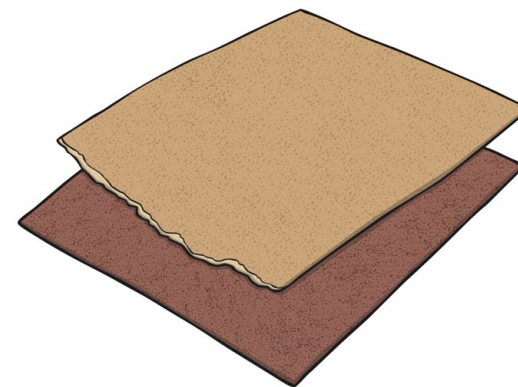
glass jar



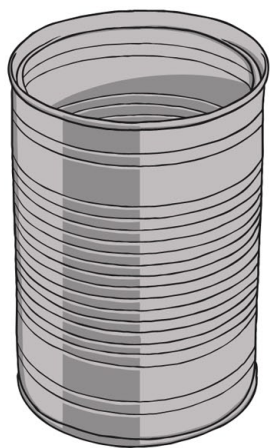
pencil



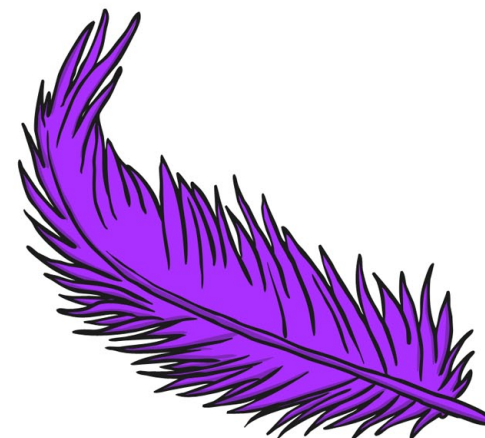
wood



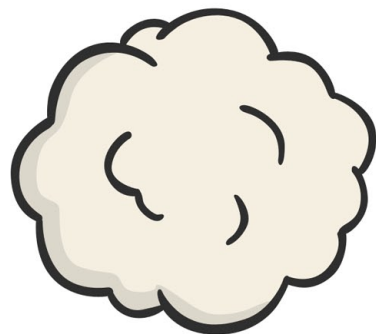
sand paper



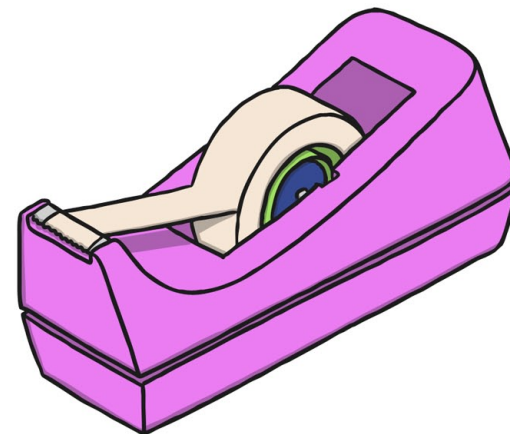
tin can



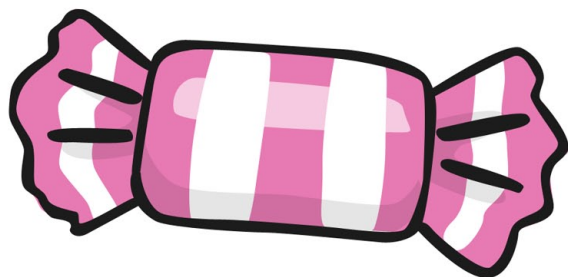
feather



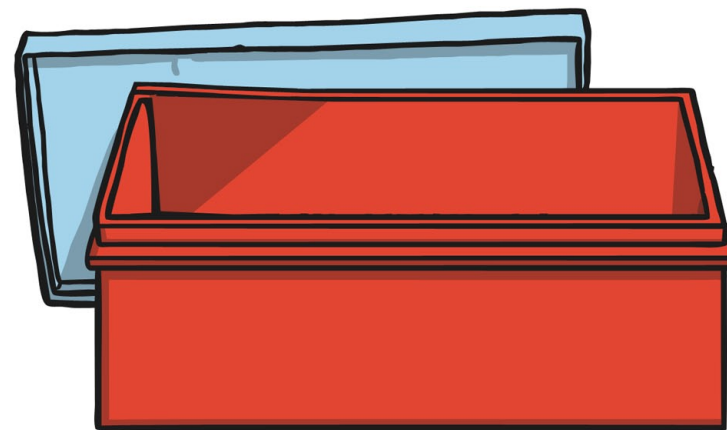
cotton wool



sticky tape



sweet wrapper



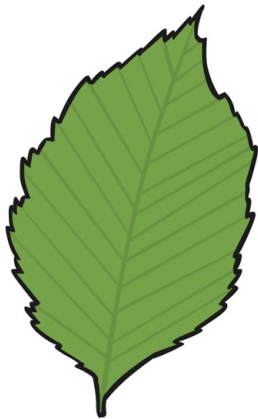
plastic container



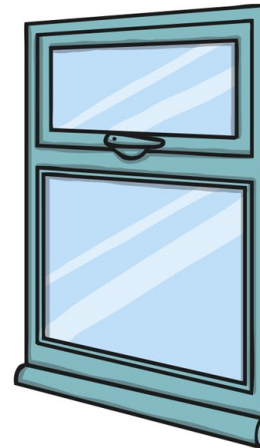
green glass bottle



cloth



leaf



window



**Everyday Materials
Waterproof Sorting Cards**

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**Everyday Materials
Waterproof Sorting Cards**

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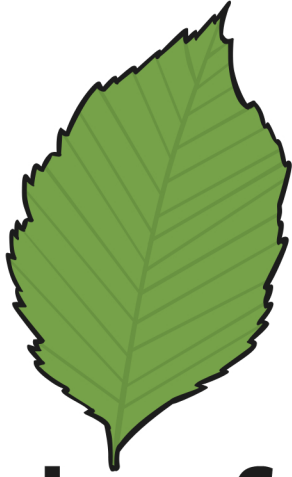
**Everyday Materials
Waterproof Sorting Cards**

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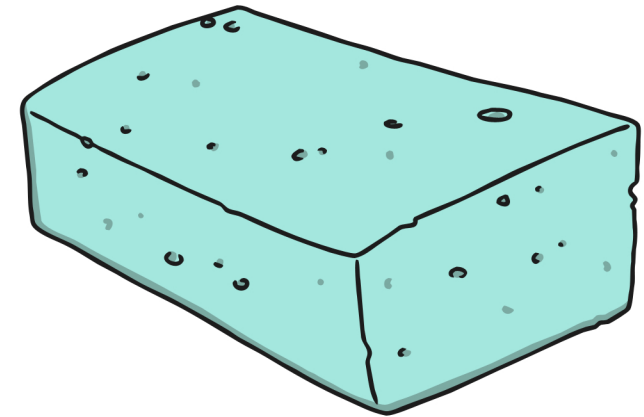
leaf



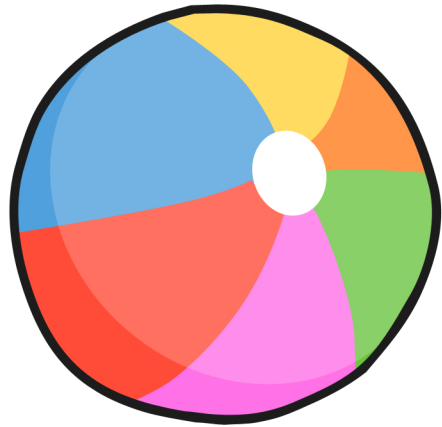
kitchen roll



rubber gloves



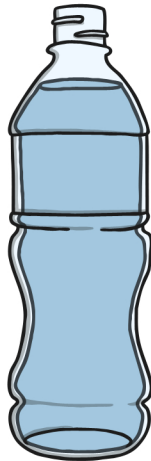
sponge



beach ball



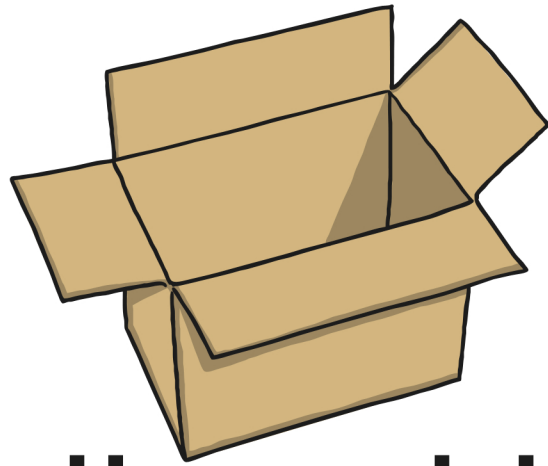
t-shirt



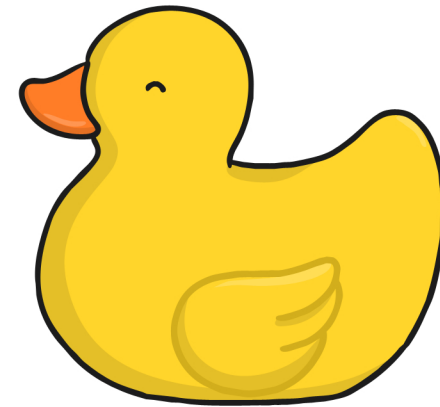
water bottle



wellies



cardboard box



bath duck



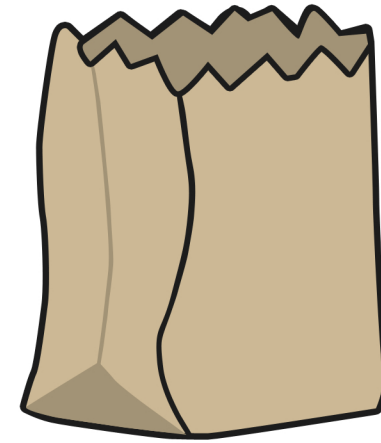
rain coat



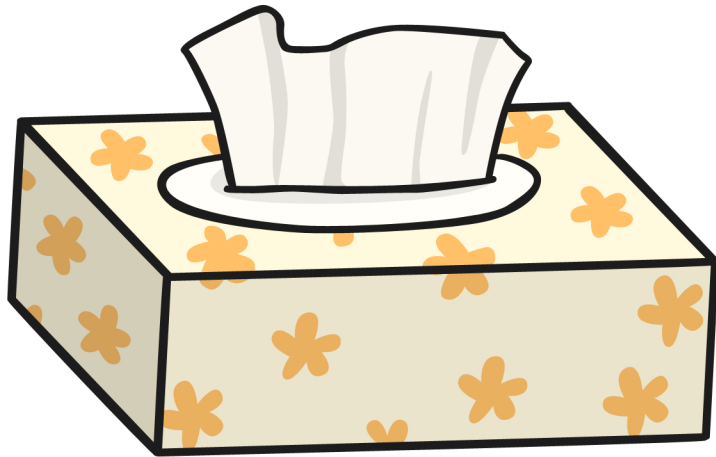
plastic bag



umbrella



paper bag



tissues



pumps