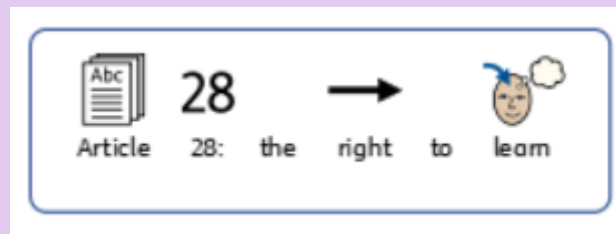


Year 1 Welcome to Autumn 2!

This term we will be exploring materials. You will be learning to explore the properties of different materials. Therefore, at home we would like you to consolidate your learning through the home learning tasks below.

All pupils must complete the tasks by Thursday 21st December 2023 and upload evidence on OneNote. All pupils are expected to do the weekly set tasks below as well as continuing:

- ✓ Daily reading—The expectation is that your child will read daily for a minimum of 20 minutes at home using Boost platform as well as the library book and levelled book
- ✓ Weekly maths – Continue to use Numbots and MyMaths weekly
- ✓ Weekly spellings – See below



Education must develop every child's personality, talents and abilities to the full. We can't wait to see what you do and look forward to seeing your wonderful home learning!

Yours Sincerely,

Year 1 Team

Exploration of: Materials

Facts children need to know and learn:

- An **object** is something that you can touch.
- A **material** is what the object is made from.
- Materials can be natural or man-made.
- Materials include **plastic, ceramic, rubber, fabric, wood, paper, glass, and metal**.
- Materials have different properties.
- Material properties include whether an object is transparent, soft or flexible, those that sink, float or stretch, those that absorb water or are cold to the touch.

Key Pictures:



glass



wood



plastic



metal



fabric






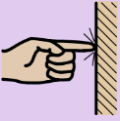





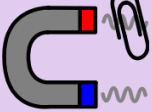


rock

Fun facts:

- Glass is made from very fine sand. It is heated until it melts.
- Plastics are a man-made material, mostly made from oil.
- A plastic bottle will take 450 years to decompose (break down).
- A glass bottle could take 1 million years to decompose (break down).

Belmont School Home Learning Year 1 Autumn 2 2023

Key Vocabulary and definitions:

<p>decompose</p> 	<p>Break down</p>	<p>flexible</p> 	<p>Bent out shapes or pressed without breaking, and can easily be returned to their original shape.</p>
<p>fragile</p> 	<p>Easily broken or destroyed e.g. glass</p>	<p>rigid</p> 	<p>Stiff or hard</p>
<p>transparent</p> 	<p>Light completely passes through it, and you can see clearly through it e.g. window</p>	<p>rough</p> 	<p>Bumpy, opposite of smooth</p>
<p>opaque</p> 	<p>Cannot be seen through and does not allow light to pass through it e.g. a book</p>	<p>smooth</p> 	<p>Not bumpy, opposite of rough</p>
<p>waterproof</p> 	<p>Does not let water go through</p>	<p>magnetic</p> 	<p>Pulls metal towards it</p>
<p>absorbent</p> 	<p>Soaks up water e.g. tissue</p>	<p>elastic</p> 	<p>Can be stretched without breaking</p>

Home Learning Tasks:

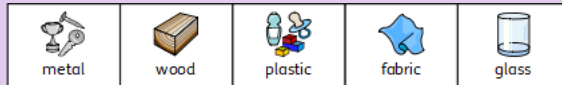
Week 1: Identifying materials in the home

Sing the Materials song:

https://www.youtube.com/watch?v=Qxdg3SExBvk&ab_channel=ExplorePlanetEnglish

Materials hunt:

Can you find objects made of these materials in your home?



Sorting game:

<https://wordwall.net/resource/7272354/science/y1-sorting-materials>

Week 2: Natural or man-made?

Natural materials are those that are found naturally around us.



Man-made materials have been made by humans.



Can you sort natural and man-made objects:

<https://wordwall.net/resource/1928751/natural-and-man-made>

Record an audio or write :

- The names of 3 natural materials you can find in your home.
- The names of 3 man-made materials you can find in your home.

Week 3: Grouping materials

Collect 10 different toys/objects. Can you group the objects by the material they are made of?

Example below:



Can you create a tally chart:

Material	Tally marks
Plastic	
Fabric	
Wood	
Metal	

How to draw tally marks:

1		6	
2		7	
3		8	
4		9	
5		10	

Key questions:

Which group had the *most* objects in it?

Which group had the *least* objects in it?

How do you know?

Week 4: Properties of materials

Feely bag activity:

An adult puts 3 objects in a bag. Child puts their hand in (without looking) and describes how the material feels e.g. cold, hard, soft, smooth, rough, warm, heavy etc.



Guess the object:

Read the clues below. Can you guess which object I might be thinking of from my home?

1. It is hard. It's fragile. It's transparent. I can find it in the kitchen.
2. It is made of metal. It is rigid and hard. I can use it to open doors.
3. It is absorbent. It can be torn easily. If I squeeze it liquid comes out.

Share your guesses on OneNote!

Week 5: Waterproof

Little pig is devastated because the roof has blown off his home.



It's Winter and it's been raining. Which material would be best for him to use to make a roof?

Carry out an experiment to test how waterproof and strong these materials are:

tissue paper



metal foil



plastic



newspaper



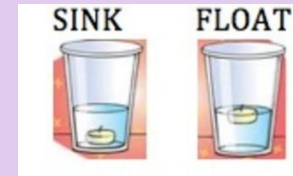
Take photos to upload and write down what you found out:

I think _____ is the best material to use for a roof because _____.

Week 6: Consolidation

Your teachers think:

1. All natural objects float.



2. All plastic objects are smooth.



3. All metal objects are magnetic.



4. All man-made objects are opaque.



Can you prove them right or wrong?

Belmont School Home Learning Year 1 Autumn 2 2023

Phonics – Words to sound out and read					
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
log dog cat spot egg nest	vest hen bug rug flat black	fox box drop jump snack help	web grass bump yell best spin	rocket bucket track into hop mud	cob sun frog pond swim forest

Spellings: Every Friday the children will have a spelling test. You can choose to learn as many words as you feel your child is able to 😊

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Group 1	sip nap sit	mop dig net	I go to	fig vet wig	rip jet kit	the no into
Group 2	sky child wild time slide	chain lake wheel phone home	pie spy fried thigh note	goat crown rope snow blow	shield peach scene green dolphin	toe piano happy monkey globe
Group 3	oh Mr Mrs	out one come	do so little	what when where	could people their	asked old house