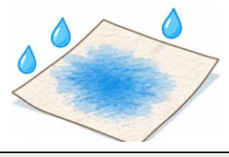
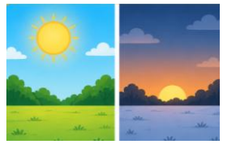
YEAR 1 | SCIENCE KNOWLEDGE ORGANISER | AUTUMN 2

Enquiry journey • Materials and seasonal change

LESSON 1	LESSON 2	LESSON 3	LESSON 4	LESSON 5
How do we know it is autumn?	**Which materials are waterproof?**	**Which materials can we see through?**	**How can we sort materials?**	**What do we know about materials?**
 There are four seasons.	 Waterproof means water cannot get through.	Transparent means we can see through it. 	 Objects are made from materials.	We can name the material of an object. 
Autumn comes after summer. 	Absorbent means soaks up water. 	 Opaque means we cannot see through it.	Materials have different properties. 	 We can describe how a material feels.
 Some trees lose their leaves in autumn.	 Some plastic can keep water out.	Clear glass is transparent. 	 Materials can be hard, soft, rough or smooth.	We can say if we can see through it. 
The days get shorter in autumn. 	Paper can soak up water. 	 Wood is opaque.	We can group materials by their properties. 	 We can say if it is waterproof.
Scientific lens Observing over time 	**Scientific lens** Comparative and fair testing 	**Scientific lens** Identifying, classifying and grouping 	**Scientific lens** Identifying, classifying and grouping 	**Scientific lens** Identifying, classifying and grouping 
Key vocabulary **Season –** One of the four parts of the year. **Autumn –** When it gets cooler and some leaves fall. **Leaves –** Parts of a plant that grow on branches.	**Key vocabulary** **Waterproof –** Does not let water pass through. **Absorbent –** Soaks up water. **Test –** Something we do to find out.	**Key vocabulary** **Transparent –** We can see clearly through it. **Opaque –** We cannot see through it. **Glass –** A hard material we can often see through.	**Key vocabulary** **Material –** What an object is made from. **Property –** What a material is like. **Sort –** Put things into groups.	**Key vocabulary** **Material –** What an object is made from. **Hard –** Not easy to squash or bend. **Soft –** Easy to press or squash. **Waterproof –** Does not let water pass through.

YEAR 1 | SCIENCE KNOWLEDGE ORGANISER | AUTUMN 2

LESSON 6	LESSON 7
How do we know it is winter?	**What is winter weather like?**
 Winter comes after autumn.	 Winter weather is often cold.
Winter is often cold. 	We may see frost or ice. 
Some trees have no leaves in winter.	 It sometimes snows in winter.
The days are shorter than in summer. 	We can watch and record the weather. 
Scientific lens Observing over time 	**Scientific lens** Comparative and fair testing 
Key vocabulary **Winter –** The coldest season of the year. **Season –** One of the four parts of the year. **Daylight –** Light from the Sun during the day.	**Key vocabulary** **Weather –** What it is like outside. **Frost –** Tiny ice crystals on cold surfaces. **Ice –** Water that has frozen. **Snow –** Soft white ice crystals from clouds.