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Dear Parents and Carers,

What is a Knowledge Organiser?

A Knowledge Organiser is a simple document that shows the key facts, vocabulary, and ideas your child will be learning about in class. It is designed to help children understand and remember important information.

By sharing this with you, we hope it makes it easier for you to support your child's learning at home and to have meaningful conversations about what they are studying at school.

Materials

- Some materials keep water out. These are called **waterproof** (like plastic and raincoats).
- Some materials can bend without breaking. These are **flexible** (like rubber bands and soft cloth).
- **Natural materials** come from nature, like wood, cotton, and wool.
- **Man-made materials** are made by people, like plastic, glass, and metal.
- Warm coats are made from soft, warm materials like wool or fleece to keep us cozy.
- **Glass** is clear and hard. We use it for windows and cups.
- Some things can bend (like rubber) and some things cannot bend (like glass or metal).
- If something soaks up water, we say it is **absorbent**, like a sponge.
- We use metal for cooking pots because metal gets hot and wood does not.

Polar Regions

- There are two very cold places on Earth called the **North Pole** and the **South Pole**.
- These places are full of ice and snow and are very cold all year.

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Famous Explorers

- **Matthew Henson** was an explorer who helped find the North Pole a long time ago.
- **Felicity Aston** travelled all by herself across Antarctica!

Watercolour Painting: Layering

- **Layering** means painting one colour, waiting for it to dry, then painting another colour on top.
- This makes your picture look bright and beautiful!

Useful Vocabulary for KS1

- Waterproof
- Flexible
- Natural
- Man-made
- Absorbent
- Material
- Explorer
- Polar
- Ice
- Layering
- Colour
- Paint
- Dry

Helpful Websites for Parents and Children

- BBC Bitesize KS1 Science — Great videos and activities about materials and the world.
- National Geographic Kids — Fun facts and pictures about animals, explorers, and polar regions.

We hope your child enjoys all the exciting things they will be learning!