

PROJECT PLACEMAT - I wonder why things happen and how things work...

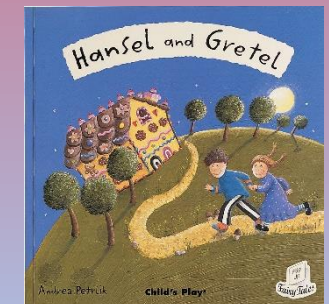
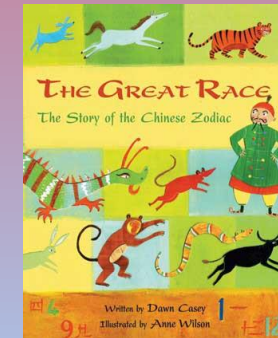
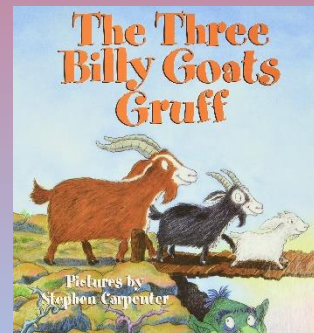
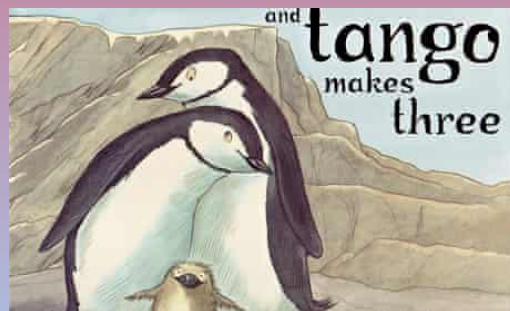
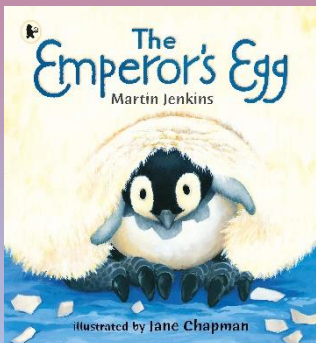
Sticky Knowledge

- I know and talk about typical weather in winter.
- I can talk about how the seasons change.
- I know what a globe represents and can identify land, water and ice.
- I know that some environments are different to the one in which I live.
- I know that I live in England which is a country and my school is on Vernon Crescent in Ravenshead.
- I know that some animals are better suited to different environments.
- I know that different materials have different properties.
- I know that some objects float and some objects sink.
- I know how to change an object to make it float or sink.
- I know which material to use for a specific purpose.
- I know how some materials change over time.
- I know that forces impact the movement of different objects.
- I know that there are living things in the playground and this can change with the weather and seasons.
- I know that houses and homes have changed over time.
- I know that some objects have developed and changed over time.
- I know that some things happened in the past, that those happening now are in the present and that some things will happen in the future.

Key Questions:

- Why is part of the earth covered in snow and ice?
- Why do animals live in different habitats?
- What happens to ice and snow when it is warm?
- How do we keep things warm in winter?
- How do buildings and bridges stay up?
- Why don't boats sink?
- What makes things go up and down?
- What creatures are in our school grounds in winter?
- Is my home the same as a home in the past?
- How have things changed since my parents were young?

Key Texts



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Vital Vocabulary

Weather	Weather, climate, seasons, change, sun, wind, rain, snow, thunder, rainbows, storms, tornado, hurricane, earthquake, winter, spring, summer, autumn
Geography	Arctic, Antarctic, sea, land, snow, ice, environment, habitat, animals, camouflage, adapt, needs, shelter, food
Materials	Materials, properties, changes, ice, water, frozen, icicle, snow, melt, wet, cold, slippery, smooth, big, bigger, biggest, smaller, smaller, smallest, hard, soft, bendy, rigid, wood, plastic, paper, card, metal, strong, weak, hot, apply heat, waterproof, soggy, not waterproof, best, change, change back, solid, liquid, gas
Forces	float, sink, up, down, top, bottom, surface, move, roll, drop, fly, turn, spin, fall, fast, slow, faster, slower, fastest, slowest, further, furthest, wind, air, water, blow, bounce, force, rotate, gravity
History	Past, present, future, change, develop, improve

5Cs Focus:

- **Care:** Caring for animals, the environment and each other.
- **Confidence:** Inventing and performing stories.
- **Compassion:** Understanding different family structures and developing an awareness of how other people live
- **Cooperation:** Working together with others to investigate and experiment.
- **Courtesy:** Showing respect to others.

Songs and rhymes

- Wind the bobbin up
- Rock-a-bye baby
- Five little monkeys jumping on the bed
- Twinkle twinkle
- If you're happy and you know it
- Head, shoulders, knees and toes