Nova’s Magnetic Mysteries: Unlocking the Power of Invisible Forces

Join Nova the Owl on an expedition to discover the hidden forces that pull the world together!

- **Every magnet has two ends called poles: the North Pole and the South Pole. Unlike poles attract each other, while like poles repel.**
- **Magnetic materials are usually metals that contain iron, nickel, or cobalt. Materials like plastic, wood, and glass are non-magnetic.**
- **A magnetic field is the invisible area surrounding a magnet where the magnetic force is strong enough to pull or push objects.**
- **You can test if a material is magnetic by observing if it is attracted to a magnet without needing to touch it directly.**
- **Magnets can exert force through non-magnetic materials, such as pulling a paperclip through a piece of thin card or water.**

Did you know? Did you know? The Earth itself acts like a giant magnet! Deep inside our planet, the movement of molten iron creates a massive magnetic field. This is exactly what helps compasses point North, guiding explorers and migratory birds across the globe.

Key vocabulary: Attract · Repel · Magnetic field · Pole · Ferrous · Force