Practical activity ideas

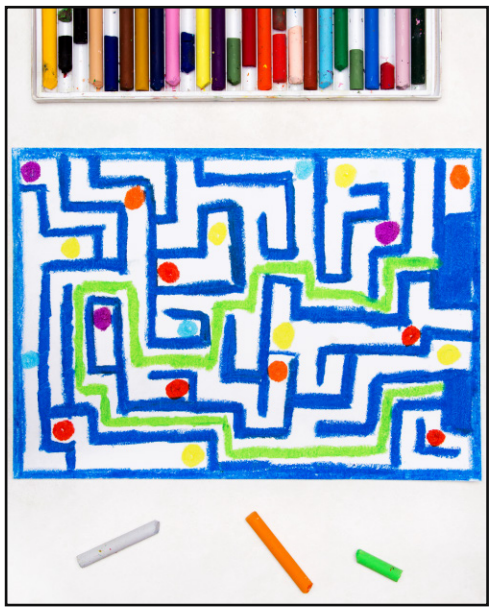
Note to the teacher - If your children need to review their learning, you can use these activities to support them.

Magnetic metals hunt



The resources required for this activity include a selection of metal objects (e.g. coins, keys, paper clips, aluminium foil, copper wire), magnets and a recording sheet.

Activity: Pupils predict which objects will be attracted to the magnet, then test each one and sort them into 'magnetic' and 'non-magnetic' groups.
This links magnetism to prediction, data handling and classification language.



Magnetic maze

The resources required for this activity include paper, pens, paper clips, magnets and cardboard boxes (to make a maze).

Activity: Pupils design and draw a simple maze on paper, place a paper clip at the start, and use a magnet underneath the paper to guide the paper clip through the maze.
Children can time each other to see who completes the maze fastest, and discuss how the magnet moves the paper clip without touching it.
This links magnetism to design, art, and introduces the concept of invisible forces.

Watch this video clip for ideas:
Magnetic game # easy to make# great ideas

Levitating paper clip



The resources you need for this activity include a strong magnet, a paper clip, string and a ruler.

Activity: Tie a paper clip to one end of a piece of string and tape the other end to the table so the paper clip hangs just above the surface. Hold a magnet above the paper clip (without touching) and adjust the height until the paper clip appears to 'levitate' in mid-air, suspended by the magnetic force.
This demonstrates the idea of invisible forces acting at a distance.

Watch this video clip for ideas:
Levitating Paper Clip Experiment