The Palmer Academy - Science

Year: 3	Term: Spring 2	Topic: Forces and Magnets

Important Facts:

- A force is a push or pull.
- When an object moves on a surface, the texture of the surface and the object affect how it moves.
- A magnet attracts magnetic material.
- Iron and nickel (and other materials containing these) are magnetic
- The strongest parts of a magnet are the poles (these are called north and south)
- If two same poles are brought together they will repel.
- If two opposite poles are brought together they attract.
- For some forces to act, there must be contact.
- Other forces can act at a distance (e.g. magnetism). The magnet does not need to touch the object that it attracts

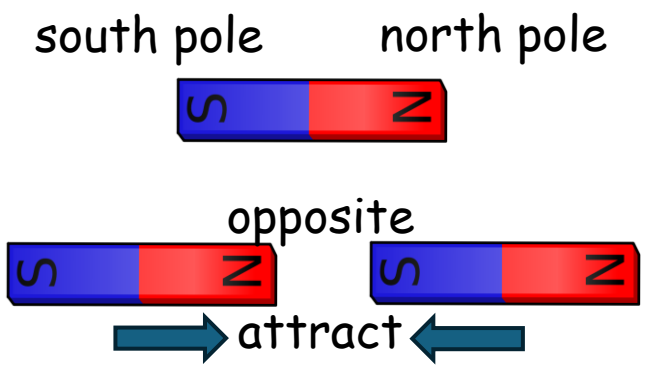
Working Scientifically:

- Think about the question you want to answer
- Choose the right equipment to test it
- Plan how to collect the information

Key concepts / diagrams:

push

pull



Vocabulary:

force	A push or a pull that acts on an object
surface	the outside layer of an object or material that you can touch or see
contact	When two surfaces touch
non-contact	When a force acts without touching
magnetic	Something can be attracted by a magnet
non-magnetic	not attracted by a magnet
attract	When two objects are pulled toward each other
repel	When two objects push away from each other
north pole	One end of the magnet
south pole	The other end of the magnet