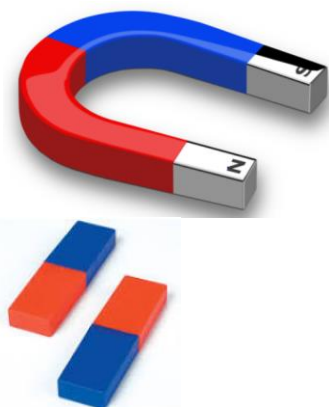


In science we are learning about...

Forces-Magnets

Key vocabulary

- **Force**- any push or pull that could cause a change in movement.
- **Opposite** - completely different- the unlike poles of a magnet.
- **Attraction** - a force by which things are pulled towards each other.
- **Poles** - north and south poles are found at different ends of a magnet.
- **Repel** - to have a magnetic field that pushes away something with a similar magnetic field.
- **Metal** - a generally hard and shiny chemical element which usually allows electricity and heat to travel through it.
- **Magnetic**- able to attract objects or materials containing iron, steel, cobalt and nickel.
- **Non-magnetic**- are substances that do not get attracted by a magnet.



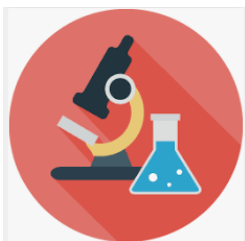
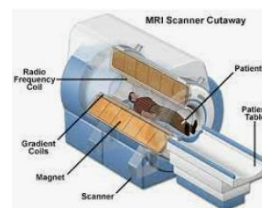
Sticky knowledge

- A force is a push or a pull that will cause something to move.
- A magnet has two poles: north pole and south pole, a north and south pole will attract.
- The only material that is magnetic is a metal (Not all metals only iron, steel, cobalt and nickel).
- I notice that some forces need contact between 2 objects, but magnetic forces can act at a distance.
- The type of surface effects how an object will move.



Links to previous learning

- To be able to distinguish an object and the material it is made from. To name a variety of everyday materials and their properties.



| Scientific enquiry | | | | | | |
|--------------------|------------|---------|-----------------------|----------------|----------------------|------------|
| | | | | | | |
| Questioning | Predicting | Testing | Observing & Recording | Measuring data | Interpreting results | Evaluating |

Aspirations

- Doctor
- Robotics engineer
- Auto mechanic
- Electrical power technician



Characteristics needed for this topic:

- Curiosity
- Questioning
- Making links

