



**1I).**

## **Investigating magnets**

**Find out what you can about magnets by doing experiments.**

### **YOU HAVE:**

- Two or more bar magnets.
- Some materials to test
- A 'pepper' pot containing iron filings.
- A tray to catch iron filings
- Some spacers
- Paper
- Goggles
- (Mobile phone to take photographs)

### **SAFETY:**

- Ensure that you do not get any iron filings in your eyes.
- This is very easily done by having iron filings on your fingers and rubbing your eye.
- Report any incidents to a leader.

### **POSSIBLE QUESTIONS TO ANSWER:**

- 1). What materials are attracted to a magnet?
- 2). What materials are repelled by a magnet?
- 3). What is in the space surrounding a magnet?
- 4). How is a magnet able to act at a distance?

### **REPORT.**

Prepare to describe to the group:-  
the experiments that you did,  
what you have discovered,  
any general conclusions.

Your report should take 3-4 minutes.

You should be prepared to answer questions from the group.