

Name _____ period _____

Magnet exploration

Travel to the stations. Follow the directions for each station & write your observations.

Station #1

What is magnetic?

Use the magnets on the table & test the materials. Which materials respond to the magnet & which don't? Is there any category of substances that seem to always respond to the magnet?

Station #2

How strong is the magnet?

Test the different kind of magnets by trying to put the poles together, north with north, south with south. Which kind of magnet is the strongest?

Station #3

Magnetic fields

Spread the iron filings on a white sheet of paper. DO NOT lose any of the filings. Move the different magnets through the filings & draw the magnetic field lines you see. Where is the magnetic field the strongest?

Station #4

Bad computer things (for this station you need a computer that you are willing to destroy!)

Bring the different types of magnets close to your victim computer. What happens to the monitor screen? Are you able to reverse the effect by pressing any of the monitor buttons?