

EXPERIENTIAL LEARNING ACTIVITY

SUBJECT: SCIENCE

GRADE: VIII

CHAPTER	Force and pressure
TOPIC/CONCEPT	Magnetic force
NAME OF THE ACTIVITY	(i) Attraction and repulsion of two magnets (ii) Attraction of magnetic substances by magnet
TYPE OF ACTIVITY	Individual
LEARNING OUTCOME	(i) Like poles repel each other and unlike poles attract each other. (ii) Magnetic substances are attracted towards magnet.
PROCEDURE/ METHODOLOGY	Material required: two magnets, any magnetic material(iron, cobalt, nickel) Procedure: 1. Keep a magnet on the table. 2. Bring another magnet near to it, but don't touch the two magnets to each other. 3. Now reverse the direction of one of the magnets and repeat the activity. Observation: (i) Like poles repel each other and unlike poles attract each other. (ii) Magnetic substances are attracted towards magnet.
QUESTION	Which force is responsible for attraction of magnetic substances towards the magnet? What type of force is magnetic force
SOLUTIONS/ HINTS	Magnetic force is responsible for attraction between magnetic substances and it is a non contact force.

