

LESSON PLAN

SPECIFIC OBJECTIVES

- The students will learn about
- ❖ discovery of magnet
 - ❖ magnet and its different shapes
 - ❖ magnetic and nonmagnetic materials
 - ❖ properties of magnets
 - ❖ making a magnet
 - ❖ precautions while handling magnets
 - ❖ uses of magnets
 - ❖ magical games by using magnets

TEACHING AIDS

Pictures/charts/models/animation on magnets of different shapes; a bar magnet showing north and south poles; magnetic compass; magnetic crane; magnetic poles of the earth; keepers; applications of magnets in different devices – ATM card, credit card, etc.

LESSON PLAN

- ❖ Teacher will start the chapter by going through the points given in 'Know these points before you start' section.
- ❖ Now, teacher will discuss the discovery of magnet.
- ❖ Teacher will define the differences between artificial and natural magnets.
- ❖ Teacher will discuss different shapes of magnets.
- ❖ Teacher will define magnetic and nonmagnetic materials with the help of activity given in the chapter.
- ❖ Now, teacher will ask students to solve Check Point 1.
- ❖ Teacher will explain different properties of magnet by performing activities given in the chapter.

- ❖ Teacher will explain the applications and working of magnetic compass.
- ❖ Teacher will explain the magnetic behaviour of the earth.
- ❖ Teacher will ask students to solve Check Point 2.
- ❖ Now, teacher will discuss the making of a magnet and demonstrate the related activity given in the chapter.
- ❖ Teacher will discuss precautions taken while handling magnets.
- ❖ Teacher will discuss the various uses of magnets.
- ❖ Students will learn some magical games by using magnets.
- ❖ Now, teacher will ask students to solve Check Point 3.
- ❖ Teacher will make students revise the new terms given under the head 'Know These Terms'.
- ❖ Finally, teacher will help students to solve the questions given in exercises under the head 'Practice Time' and 'Think Zone'.

BOOST UP

- ❖ Teacher should demonstrate and explain activities given in the chapter.
- ❖ Teacher should discuss the information given under the head 'Something More'.
- ❖ Teacher should discuss the conversation of Annu and Mannu given in between the topics.

EXPECTED LEARNING OUTCOMES

The students understand and know the

- ❖ discovery of magnet and its uses.
- ❖ properties of magnets.
- ❖ differences between magnetic and nonmagnetic materials.
- ❖ careful handling of magnets.
- ❖ magnetic behaviour of the earth.
- ❖ some magical games by using magnets.

EVALUATIVE QUESTIONS

The teacher may ask the following questions for evaluating the learning and understanding of students:

1. What is meant by a magnet?
2. Which materials are easily attracted by a magnet?
3. Mention different shapes of magnets.
4. Write the differences between magnetic and nonmagnetic materials.
5. How can you say that magnetic poles always exist in pairs?
6. What does a magnetic compass consist of?
7. Mention four uses of magnets.