

Chapter 12

Friction as a Force

LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ❖ friction
- ❖ how to reduce friction
- ❖ uses of friction
- ❖ harmful effects of friction
- ❖ examples of friction

Teaching Aids

Pictures/charts/models/animation on the topics given in the chapter.

Lesson Plan

- ❖ Teacher will start the chapter with 'Gear Up' section explaining how a work can be done easily.
- ❖ Now, by taking examples from everyday life, teacher will define friction.
- ❖ Teacher will explain importance of friction and its uses in everyday life.
- ❖ Teacher will explain the harmful effects of friction.
- ❖ Teacher will discuss the methods to reduce friction.
- ❖ Teacher will ask students to solve 'Check Point'.
- ❖ At last, teacher will sum up the chapter by going through all the points given under the head 'Wrap up now' and revising the 'New Words'.
- ❖ Finally, teacher will help students to solve all the exercises given under the head 'Practice Time'.

Boost Up

- ❖ Teacher should encourage students to carry out activities given in the chapter.
- ❖ Teacher should encourage students to explore more uses and harms of friction.

Expected Learning Outcomes

The students understand and know

- ❖ friction and its importance in life.
- ❖ uses and harmful effects of friction.
- ❖ different ways to reduce friction.

Evaluative Questions

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

1. What is friction?
2. How does friction help a vehicle in moving?
3. How can we reduce friction wherever required?
4. Why does a machine make a noise sometimes?