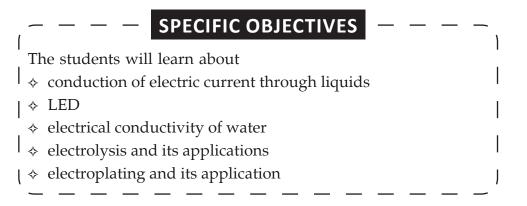
# **LESSON PLAN**



### TEACHING AIDS

Pictures/charts/models/animations on an electric circuit consisting of cell, bulb and key; coloured LED; electroplated objects, chrome-plated objects, silver-plated objects, 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 define conductors of electricity and explain conduction of electric current through liquids by demonstrating activities given in the chapter.
- ♦ Teacher will discuss LED and its uses.
- ♦ Teacher will discuss electrical conductivity of impure and pure water.
- ♦ Now, teacher will ask students to solve Check Point 1.
- ♦ Teacher will explain the process of electrolysis by demonstrating activity given in the chapter.
- ♦ Now, teacher will discuss applications of electrolysis.
- ♦ Teacher will define process of electroplating, factors affecting it and its applications.
- ♦ Now, teacher will ask students to solve Check Point 2.
- ♦ 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.
- Teacher should ask students to learn more names of good conductors and bad conductors of electricity.
- Students should be asked to explore more applications of LED, electrolysis and electroplating in everyday life.

## EXPECTED LEARNING OUTCOMES

The students know about

- ♦ good and bad conductors of electricity.
- ♦ conduction of electric current through liquids.
- ♦ LED
- ♦ electrical conductivity of impure and pure (distilled) water.
- ♦ applications of electrolysis and electroplating.

### EVALUATIVE QUESTIONS

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

- **1.** Define good conductors of electricity.
- 2. Write two examples of bad conductors of electricity.
- 3. Why is distilled water called poor conductor of electricity?
- 4. What is an LED?
- 5. What is the difference between electrolysis and electrolyte?
- 6. What is voltameter?
- 7. Why is electroplating of a metal done?