

SPECIFIC OBJECTIVES

- The students learn about
- ❖ soil and its formation
 - ❖ types of soil and features of each type
 - ❖ different layers of soil
 - ❖ importance of soil

TEACHING AIDS

Animation/pictures/charts on different types of soil, layers of soil; Samples of different types of soil and its components.

LESSON PLAN

- ❖ Teacher will start the chapter by asking some general questions on soil based on the previous knowledge of the students.
- ❖ Now, teacher will show the sample of soil and make students feel it by touching that it is formed of many things and give a simple brief introduction of soil.
- ❖ With the help of teaching aids, teacher will explain the process of soil formation.
- ❖ With the help of teaching aids, teacher will explain different layers of soil.
- ❖ To check the understanding of the topics taught, teacher will ask students to solve 'Checkpoint 1'.
- ❖ Showing samples/pictures/charts/animation on different types of soil, teacher will explain the types of soil and features of each type.
- ❖ Teacher will explain that colour of soil changes from place to place.
- ❖ Now, teacher will explain the importance of soil to the living beings.
- ❖ Teacher will make students solve 'Checkpoint 2'.
- ❖ At last, teacher will make students revise the new terms given in 'Science Vocabulary' and sum up the lesson by going through the points given in 'Wrapping it up'.
- ❖ Now, teacher will help students to solve the questions given in 'Exercises'.

BOOST UP

- ❖ Teacher should encourage students to carry out activities given in the chapter and discuss the information given in the 'Knowledge Desk'.

- ❖ Teacher should discuss the conversation of Annu and Mannu given in bubbles in between the topics.
- ❖ Teacher should help students to find the answers of questions given in 'Think Zone' and encourage to do activities or projects given in 'Beyond the Text'.
- ❖ Teacher may encourage students to collect samples of soil from different locations.
- ❖ Teacher can give a brief idea of soil pollution and ways to stop it in very simple way (considering the class level of students).

EXPECTED LEARNING OUTCOMES

The students

- ❖ understand what soil is and how it is formed
- ❖ can differentiate between different types of soil
- ❖ can identify different layers of soil and their components
- ❖ know the importance of soil to living beings

EVALUATIVE QUESTIONS

The teacher may ask the following questions for evaluating his/her students.

1. Where does soil come from?
2. How do rocks get cracked?
3. Which type of soil has more air spaces between its particles?
4. Which type of soil has smallest particles?
5. How many layers does the soil have?
6. What does the top layer of soil contain?