



LESSON PLAN

SPECIFIC OBJECTIVES

The students will learn about

- ▶ growing plants from seeds
- ▶ dispersal of seeds
- ▶ growing plants from other parts of plant

TEACHING AIDS

A chart showing germination of seed, blackboard, chalk, duster and digital content.

TEACHING STRATEGY

- ▶ Help the students in doing the Warm Up activity.
- ▶ Explain that all the flowering plants produce seeds enclosed inside the fruits and seeds contain a baby plant inside them.
- ▶ Discuss the various parts of seed and explain about monocotyledonous and dicotyledonous seeds.
- ▶ Discuss the conditions necessary for germination of seeds and explain how germination of seeds takes place.
- ▶ Define the dispersal of seeds and its needs for plants. Introduce different agents of seed dispersal and explain how these agents help in the dispersal of seeds.
- ▶ Define vegetative propagation and with the help of suitable examples, explain the different means of growing plants from parts of plants other than seeds.
- ▶ Introduce non-flowering plants and explain that these plants do not produce but reproduce by spores.
- ▶ Sum up the chapter by going through the points given under the head 'Remember'.
- ▶ Finally, help the students do all the exercises.

BOOST UP

- ▶ Show the sample of bean seed as a whole and a split one to show all its parts.
- ▶ Show samples of different types of seeds.

EXPECTED LEARNING OUTCOMES

The students are able to learn about

- ▶ different parts of seeds.
- ▶ different conditions necessary for germination of seeds and its stages.
- ▶ dispersal of seeds and know various agents involved in it.
- ▶ vegetative propagation and know about growing plants from plant parts other than seeds.

EVALUATIVE QUESTIONS

The teachers may ask the following questions to evaluate their students.

1. What is a seed coat?
2. What is a seedling?
3. What is vegetative propagation?