

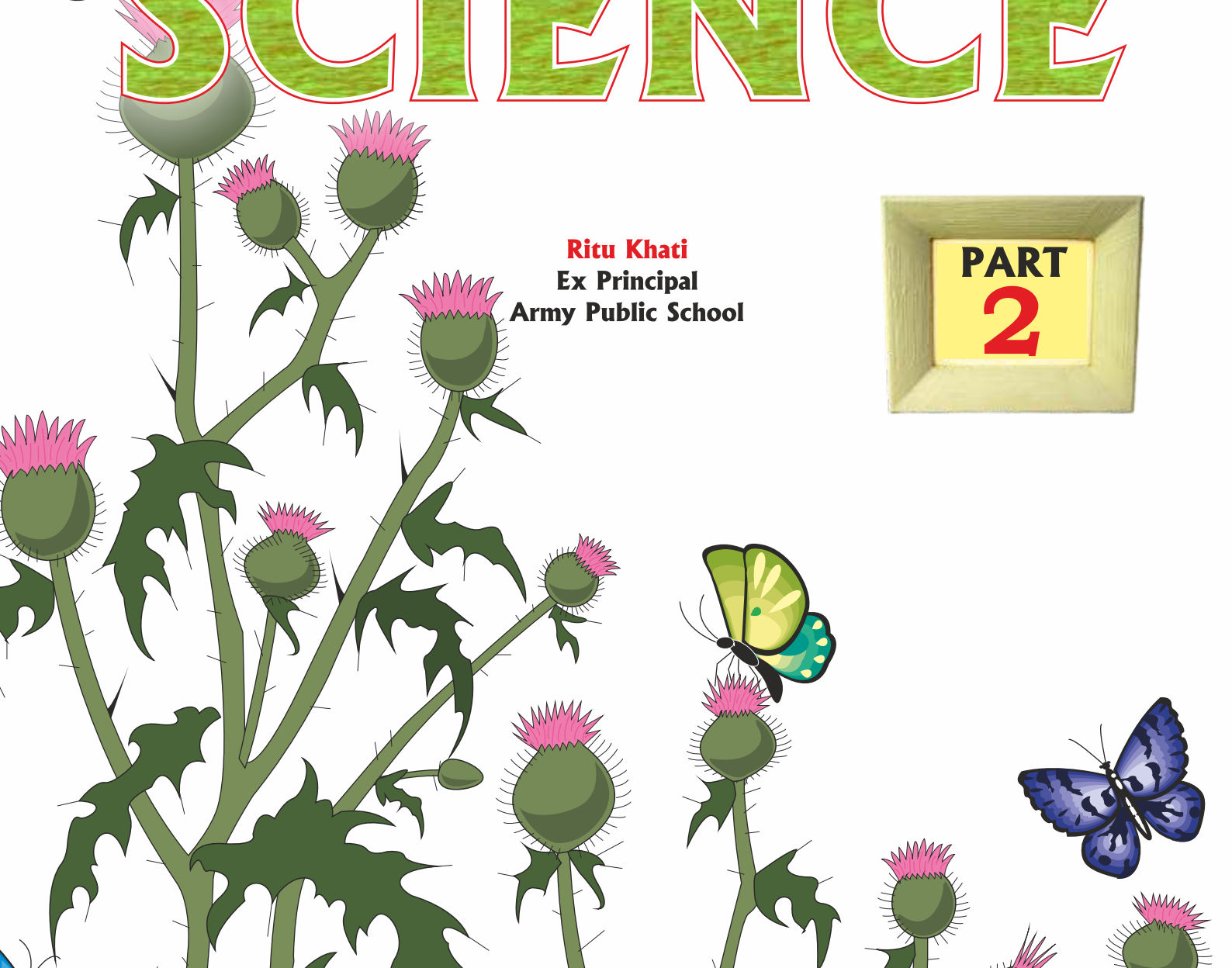


EVERSHINE

echo series

FACT FINDER SCIENCE

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PREFACE

The environment around us inspires and integrates all spheres of education with our daily lives. The topics introduced in the books are in harmony with the world around. Science, it is believed, is the perception of the world around us.

This series of science takes the child from rote memory to self learning, making each learning experience unique. It is an attempt to encourage natural curiosity and power of observation.

The series introduces the young learners to the world of science in a simple language and systematic manner. The aim is to ensure that all learners acquire knowledge and understand the subject in a better way. The activities laid out in each book help the students to develop a scientific attitude.

The special features of the series are as follows :

- ❖ Use of simple language.
- ❖ Theme based study.
- ❖ Thinking skills and fun activities.
- ❖ Activities for children to enjoy.
- ❖ Summary at the end of each chapter for recapitulation.
- ❖ Teacher's guidelines for effective teaching.
- ❖ Practice model papers at the end of the book.

ABOUT THE AUTHOR

Ms. Ritu Khati is an educationist with an experience of more than thirty years. She has authored and designed several books. She has been actively involved with children instilling in them the ability to reason. She believes in encouraging the children to acquire an inquiring mind, to reflect on their own learning and ideas and to pursue imaginative activities. She treats her students as participants in learning. She is flexible in her thoughts and does not hesitate to implement new ideas and concepts.

She is a thorough professional and creates a positive mark in the life of the students and the people around.

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Plants Around Us



1

There are many kinds of plants around us. Plants look green because they have leaves. Some plants are big. Some plants are small.

TREES

Trees are big and tall plants.

They have a very strong stem called the **trunk**.

Some trees have branches.

Trees usually live for years.



Apple tree



Coconut tree



Mango tree



Banyan tree

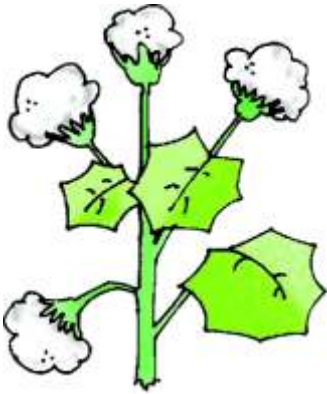
Fact File

The world's tallest living tree is Mendocino redwood tree in California, USA. It is 112 metres high.

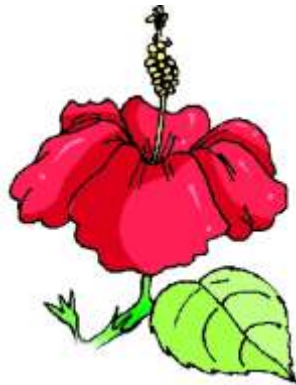


SHRUBS

Shrubs are bushy plants. They are smaller than tree. They grow many stems from near the ground. Shrubs have thin woody branches. Shrubs also live for years.



Cotton



Hibiscus



Rose



Bouganvillea

HERBS

Herbs are small plants. They have green weak stems. Herbs are seasonal plants. They live for one season or for a few months only.



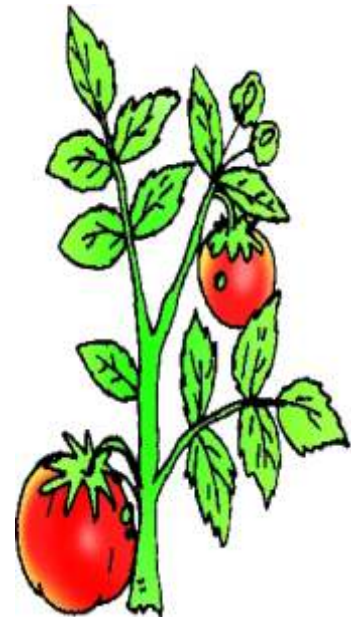
Mint



Marigold



Coriander



Tomato

CLIMBERS AND CREEPERS

Climbers cannot grow straight up as they have weak stems. They need some support to grow up.

Money plants, pea plants and grapevines are some examples of **climbers**.

Creepers grow along the ground. They cannot grow up. Pumpkin and watermelon are some examples of **creepers**.



Money plant



Pea plant



Pumpkin plant



Watermelon plant

WHERE DO PLANTS LIVE ?

Plants are found everywhere. They can be found both on land and in water.

Plants such as cactus and aloe vera grow in the desert.

Plants like lotus, waterlily and water **hyacinth** grow in water.



Cactus



Aloe vera



Lotus



Waterlily

Plants live in water

Plants make their own food in their green leaves. Green leaves need **sunlight**, **air** and **water** to make food.

Let Us Remember



- **Trees** are big and tall plants.
- **Shrubs** are bushy plants.
- **Herbs** are small plants.
- **Climbers** and **creepers** are weak plants.
- Plants make their food in their **leaves**.
- Plants need **sunlight**, **air** and **water** to make food.

EXERCISES

A. Answer the following questions :

1. What are trees ?
2. What are shrubs ?
3. How long do herbs live ?
4. Name two plants that grow in water.
5. What do green leaves need to make food for plants ?

B. Fill in the blanks with the words given in the box :

1. Trees are big and plants.
2. Shrubs are plants.
3. have green weak stems.
4. grow along the ground.
5. need support to grow up.

Help Box

climbers
creepers
bushy
herbs
tall

C. Say whether these statements are true or false :

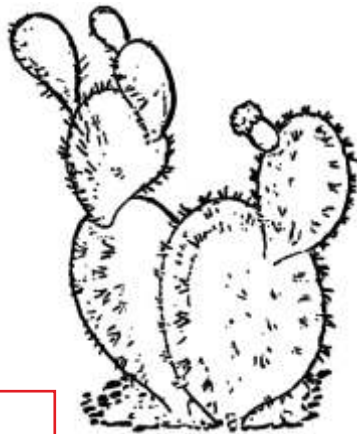
1. Trees have a very strong trunk.
2. Shrubs have thin but hard branches.
3. Climbers do not need any support to grow up.
4. Creepers grow along the ground.
5. Cactus and aloevera grow in water.

D. What kinds of plants are these ?

1. Mango and banyan
2. Rose and cotton
3. Tomato and coriander
4. Pea and grapevine
5. Pumpkin and watermelon

E. More to do.

Colour the plants and name them.



Teacher's Guidelines



- The main objective of this lesson is to familiarize the students with different types of plants.
- Take the students to a nearby park, garden, nursery and show them various kinds of plants. Also discuss about herbs, shrubs trees, climbers and creepers.