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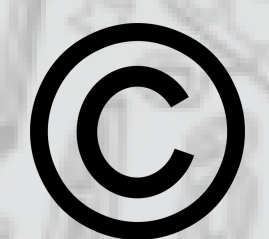
SCIENCE

1st Grade

WORLD OF PLANTS

- Plants are all around us and are an important part of our ecosystem
- They provide us with oxygen, food, and shelter
- In this unit, we will explore- different parts of a plant and parts of a plant

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WORLD OF PLANTS

TYPES OF PLANTS	
Tall and Big Plants- Trees	• Plants which are big, tall and strong are called trees • Trees do not need any support • Their hard, woody stem is called trunk • The Banyan, mango, Coconut, Neem, etc are ttrees
Small Plants- Shrubs	• Small plants are called shrubs • They are bushy plants • They grow to a height of 3 to 4 feet (Teacher explains using their own height) • Most shrubs live for many years. • The rose, cotton, jasmine and show flower are shrubs
Very Small Plants- Herbs	• Plants which are very small with soft stem are called herbs • Herbs are seasonal. Most of the vegetables are herbs • The Zinnia, Balsam, Sunflower, Brinjal, Tomato, Carrot, Radish and grass are herbs
Climbers	• Some plants cannot stand on their own • Plants which climb up taking support of other plants, sticks or walls are called climbers • Grapevine, Bean, Money plant, pea, etc are climbers
Creepers	• The stem of some plants are weak • They cannot grow up straight • Plants that grow and spread along the ground are called creepers • Pumpkin, watermelon, cucumber, etc are creepers

BIG PLANTS:
Some plants are big. They are called **trees.** They have thick and broad stems. They usually live for many years.

Banyan tree

Mango tree

SMALL PLANTS:
Some plants have woody stems. They are called 'shrubs.'

Some plants are small and have weak stems. They are called 'herbs.' Stems of shrubs are stranger than herbs.

Hibiscus plant

Rose plant

Mint plant

Basil plant

Plants that need support

Some plants with weak stems cannot stand straight. They need support from other things or plants to grow upwards. Such plants are called 'climbers.'

Some plants grow and spread on the ground. They are called 'creepers.'

Money plant

Pea plant

Pumpkin

Watermelon

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OBJECTIVES

- Students are able to identify the parts of a plant
- Students describe and state examples of different plant types

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PRE-ASSESSMENT

- Do you know that we need oxygen to breathe! Where do we get it from?
- How many different varieties of plants do you know of?

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PRE-REQUISITES

- Potted flowering plant

ACTIVITY 1:

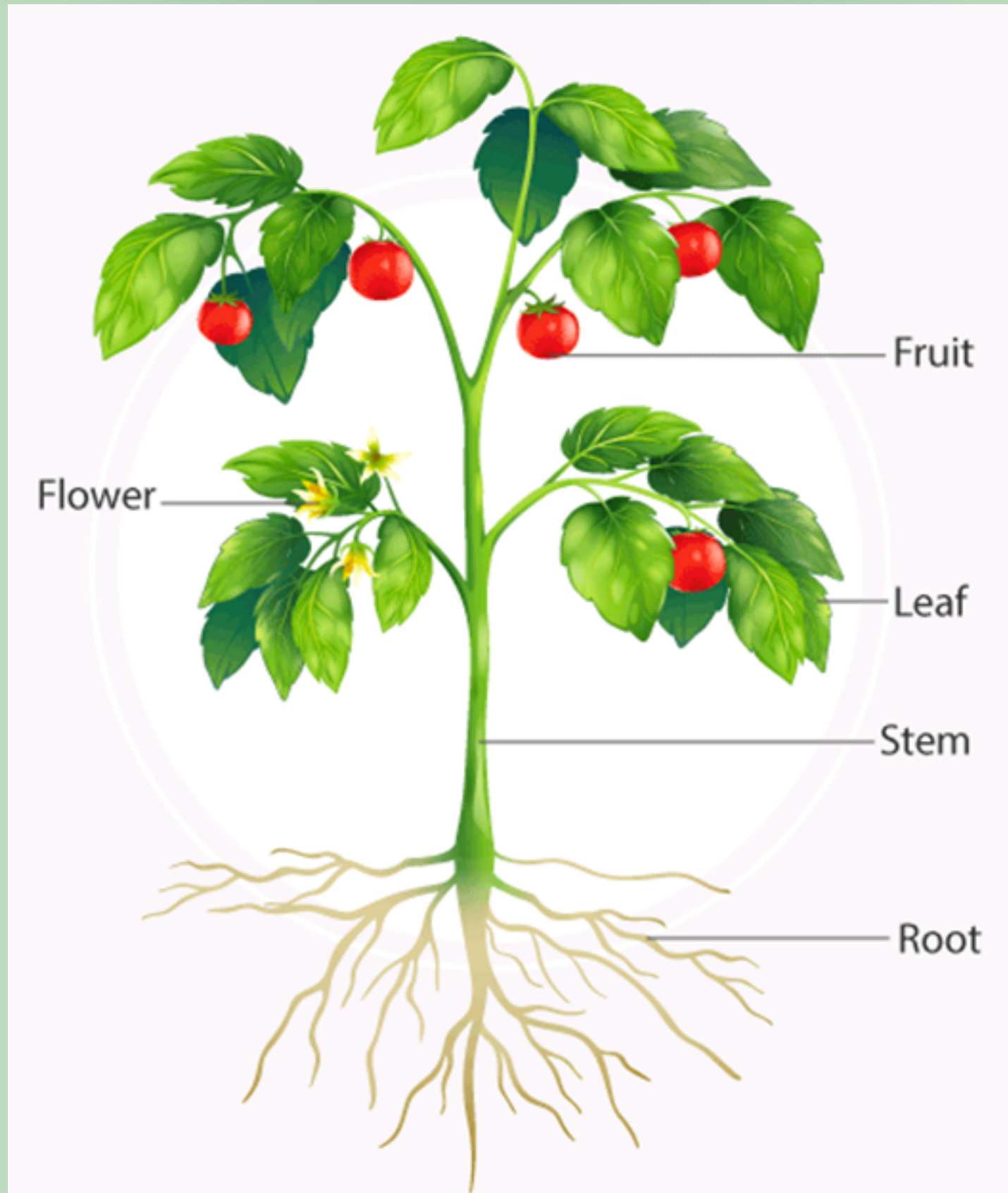- People have different body parts, such as arms, legs and a mouth. Plants have different parts too - each part does a special job.
- Teacher brings a small potted plant in class, or takes the students out in a garden (whichever is more doable)
- Show the plant, and ask students- Do you know the names of any parts of a plant?

ACTIVITY 1:

- Students suggest names like- leaf, flower, etc.
- Teacher points to the part and explains- FLOWERS, STEM, ROOTS, LEAF
- Teacher writes these parts on board for students to understand the spelling
- Project the following on smart board

What Do the Different Parts of a Plant Do?

Flowers look pretty and come in lots of different colours. They can also smell lovely. This helps to attract animals and insects that help the plant to make seeds for new plants.

The stem helps support the plant and keeps it upright. Water and food are taken up from the roots and transported through the stem.

The roots of a plant anchors the plant in the ground and without roots a plant would fall over. Roots also take in nutrients and water from the soil.

The leaves are very important they absorb the sunlight which they use to make food for the plant. This is called photosynthesis.

ACTIVITY 2:

- Teacher hands out a cut and paste worksheet to each student
- The activity can also be done in pairs
- The students can paste the plants parts in their notebooks or chart to be ;ater displayed in classroom
- Teacher to explain the instructions and help students in using scissors
- After the cut and paste activity, students may be encourage to label the parts as well

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Putting Together a Flowering Plant

Instructions:
Cut out the parts below and paste them on the sheet to make a flower.

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ACTIVITY 3:

- Divide the students into groups
- Teacher takes the students for a nature walk
- Students are instructed to go around the park/garden and pick different parts of a plant- leaf, stem, flower, roots
- The group brings these to the class and assembles them together to make a model of a plant

Fill in the blanks:

- The _____ holds the plant up straight
- Plants produce _____ which we use to breathe
- New plants grow from _____
- The _____ of a plant grows underground

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