

SCIENCE

VISION

for the young scientist

2



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**Behind Silver Line School,
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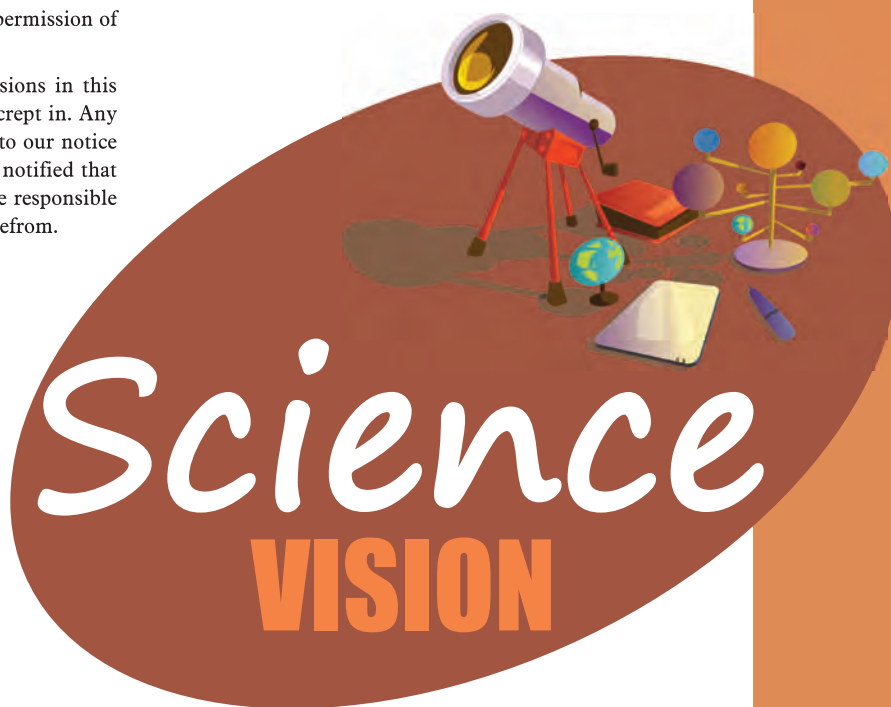
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Preface



Children have an innate curiosity to know and learn. **Science Vision**, a series of books on science from class 1 to 5, has been developed by focusing on efforts to activate this curiosity.

The series conforms to the National Curriculum Framework 2005 and integrates a multi-disciplinary approach. Efforts have been made to provide a solid footing in science to the students. Books 1 and 2 draw their attention to day-to-day occurrences and provide an all-encompassing knowledge of their immediate surroundings, so as to introduce them to the world of science. Book 3 to 5 move a grade further and provide to the students, a subtle yet measured amalgamation of various elements of different streams of science that await them in middle school. The books provide opportunities to the students for a spontaneous learning experience. The unique features of the series are as follows :

- ❖ **Focus On** contains the main objectives of the chapter.
- ❖ **Here We Go** provides warm up activities to students based on their knowledge, thinking and observation.
- ❖ Interactive activities under **Action Time** attempt to reinforce fundamental concepts taught in the lesson.
- ❖ **Everyday Science** encourage scientific investigation and research by drawing the students' attention to their immediate surroundings.
- ❖ **Fact Byte** presents interesting bits of information while **Eye Opener** satiates the longing for knowledge.
- ❖ **Picture Review** makes clear the meanings of important scientific terms in a visually-appealing way.
- ❖ **Have Some Fun** polishes information organising skills and better remembrance.
- ❖ **Tip for Teacher** is a nudge to the teacher to offer insights to the students about fundamental approach so as to underline the textual efforts.
- ❖ **It's Your Duty** is a subtle effort to instill important values and life skills.
- ❖ Clearly labelled and accurate diagrams help to explain scientific concepts.
- ❖ Term-I and Term-II test papers are completely in tune with NCF guidelines.
- ❖ **Flash On** is a recap of the salient points taught in the lesson.

Welcome to the world of perfect teaching and learning.

—The Publisher

Salient Features

Tools for Comprehensive Teaching and Learning.

These tools make the learning of science a lovely experience.

Plants 1

Focus On

- Parts of a Plant
- How Plants Make Food?
- Life Cycle of Plants

▼ **Here We Go...**

Roy's friends are in his mother's kitchen garden. Identify and write the name of each plant below the picture :

rose, cactus, sunflower, pumpkin, pea plant, coconut

There are various plants in our surroundings. Plants release **oxygen** during photosynthesis. They also provide us food. We use both of these to survive.

Now let us discover more about plants.

Fact Byte

✦ Plants are called our green friends.

Tip for Teacher

Tell the students about importance of plants in our life.

Plants 7

Focus On contains the main objectives of the chapter.

Here We Go provides warm up activities to students based on their knowledge, thinking and observation.

Tip for Teacher is a nudge to the teacher to offer insights to the students about fundamental approach so as to underline the textual efforts.

Flash On is a recap of the salient points taught in the lesson.

Flash On

- ✦ A seed grows into a plant.
- ✦ Plants have many parts, like- seeds, roots, stem, leaves, flowers and fruits.
- ✦ Leaves make food for plants in the process of photosynthesis.
- ✦ In photosynthesis, plants take in carbon dioxide and give out oxygen.

Picture Review makes clear the meanings of important scientific terms in a visually appealing way.

Picture Review

Weather : It changes day to day, time to time.

It's Your Duty is a subtle effort to instill important values and life skills.

It's Your Duty!!

Take care of living things and non-living things. Do not spoil anything.

ACTION TIME 1

Pictures of some features of living things are given below. Observe them and write the features in the given space :



Interactive activities under **Action Time** attempt to reinforce fundamental concepts taught in the lesson.

EYE OPENER

Plants and trees do not move as they are fixed to the ground. Have you seen them eating, drinking or breathing?

Fact Byte

To help plants grow better, manure is added to the soil.

8 Science-1

Fact Byte presents interesting bits of information while **Eye Opener** satiates the longing for knowledge.

Have Some Fun polishes information organizing skills and better remembrance.

Have Some Fun 2

Trees Name

Practice Time

- Draw one living thing that you see on your way to school.
- Make a collage of natural and man-made things.
- Now, count and write the number of given living things and non-living things :



Living things

Non-living things

Practice Time is a section of activity-based exercise for creating skills.

Interesting and exhausted worksheets for Term-I and Term-II

TERM II

A. Unscramble the letters to name the following :

1×10=10

- Daily eat SELGETABVE _____.
- Gives us eggs NHE _____.
- In summer, wear _____ clothes NOTOCT _____.
- Wear on a rainy day TORACANI _____.
- We take bath is OMABHTOR _____.

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