

Name:	
Class:	
Division:	





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NOTE TO PARENTS



Children learn best when they can explore on their own and interact with everything around them. Keeping this in mind, LEAD Science Curriculum is designed to provide students with learning opportunities that will enable them to actively engage with the learning materials and connect the learning to life. Some of the ways in which students will learn science are:



These classroom learning methods help students not only participate in the learning process actively but also achieve in-depth understanding of the concepts by doing or experiencing the lessons. This approach to learning is called Learning by Doing (LBD). Learning science through the LBD approach helps students develop strong subject knowledge and skills that they need to succeed in school as well as in life.

LBD Approach helps students develop the following skills



ANNUAL LEARNING PLAN

PART 1	Unit Name	Content Strand	NCERT Chapter
	Crop Production, Microorganisms, and Conservation Teaches students about how to produce crops, types of microorganims, and conservation of plants and animals.	Biology Unit 1	1, 2, 7
	Cells and Reproduction Introduces students to types of cells, their functioning, and the process of reproduction in animals	Biology Unit 2	8, 9
[-]	Fibres, Plastics, Metals, and Non-Metals Covers the properties, functions, and uses of synthetic fibres, plastics, metals, and non-metals	Chemistry Unit 1	3, 4
	Force, Friction, and Sound Covers conceptual and practical applications of force, friction, pressure, and sound	Physics Unit 1	11, 12,13

PART 2	Unit Name	Content Strand	NCERT Chapter
	Adolescence and Pollution of Air and Water Teaches students about the concept of adolescence, and covers the pollution of air and water.	Biology Unit 3	10, 18

	Fossil Fuels, Combustion, and Natural Phenomena Introduces students to fossil fuels, combustion, and the phenomena of earthquakes and lightning.	Chemistry Unit 2	5, 6, 15
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Introduces students to fossil fuels, combustion, and the phenomena of earthquakes and lightning.	Unit 2	5, 6, 15
Chemical Effects of Current, Light, Stars, and the Solar System Covers the concepts of chemical effects of current, stars, solar system, and the reflection and refraction of light	Physics Unit 2	14, 16, 17



SCIENCE — PART 1



This **EXPERT BOOK** should be used in addition to the NCERT textbook. It is designed to achieve the following three objectives:

- 1. To help students learn the concepts of the NCERT textbook by presenting them in an easy-to-understand form.
- 2. To provide students with additional information to aid conceptual understanding.
- 3. To ensure students get adequate practice through additional questions and enhance their learning through Higher Order questions. The 🔆 icon is used to indicate the Higher Order Thinking Skills (HOTS) questions.

The **EXPERT BOOK** must be used as advised by the teacher in class or for home practice.

Whenever students find the NCERT textbook difficult to understand, they can refer to the **EXPERT BOOK**. Students should also refer to it while preparing for assessments.

