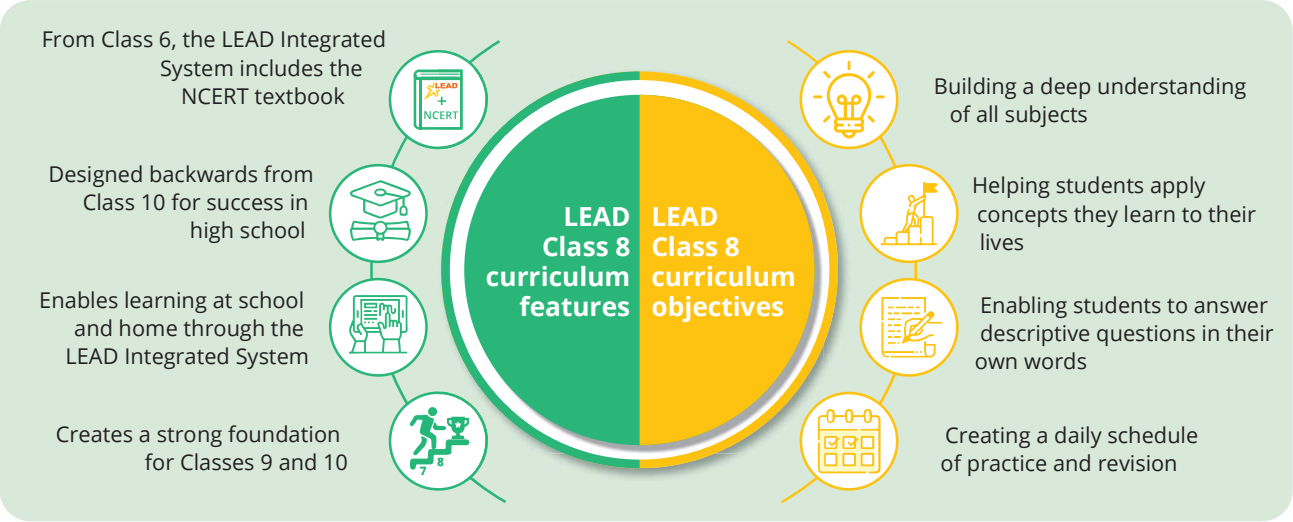
NOTE TO PARENTS



At LEAD, we design our curriculum with the aim to help children get over the fear of maths and build deep conceptual clarity of the subject.

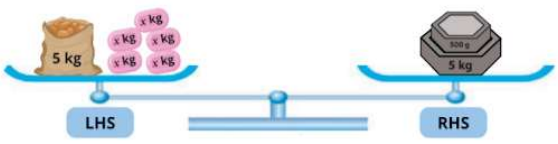
At the core of our maths curriculum is the world renowned teaching and learning approach called Concrete Pictorial Abstract (CPA) Method. The CPA approach makes maths easy to teach and learn, which is why it is used by some of the most well regarded school systems of the world.

Traditionally, maths is taught using symbols for numbers and operations. This makes it abstract and difficult to understand. The CPA method on the other hand is a sequential process that begins with students using physical objects (concrete) to understand quantities and operations. They then move to representing these quantities and operations with pictures (pictorial). Only when a solid understanding is build do they move to using symbols (abstract). This way, they build a robust understanding of math concepts.

In classes 6 to 8, as concepts become more abstract, our curriculum adapts the CPA method focusing more on using pictorial representations to help students visualize abstract ideas. This approach ensures that students truly understand maths and do not need to memorise concepts.

Pictorial

Pictures in the carefully created videos and books by LEAD help them visualise concepts take the intermediate step from concrete to abstract.

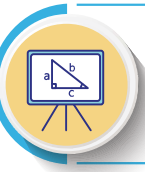


Abstract

Use symbols to represent the pictures and learn the language of math helping them perform operations without rote-learning.

$$5 + 5x = 5.5$$

ANNUAL LEARNING PLAN

PART 1	Unit Name	Content Strand	NCERT Chapter
	**Number System** Students will learn about rational numbers and prove divisibility rules of a few numbers	Number System	2, 8
	**Exponents** Students will express numbers using exponents and solve problems involving squares, cubes, and roots	Number Operation	1, 9
	**Quadrilaterals and Practical Geometry** Students will learn about various quadrilaterals, their properties and how to construct them	Geometry	3, 13
	**Data Handling and Graphs** Students will represent and analyse data in bar graphs, histograms, pie charts and line graphs	Data Handling	5, 6

PART 2	Unit Name	Content Strand	NCERT Chapter
	**Algebra** Students will learn linear equations in one variable, algebraic expressions and factorisation	Algebra and Proportions	12, 4
	**Ratios and Proportion** Students will apply percentages to profit-loss, taxes, interest, and solve problems on proportions	Algebra and Proportions	7, 10
	**Geometry and Mensuration** Students will learn about polyhedrons and how to calculate surface area and volume	Geometry and Mensuration	14, 15, 11

MATHS — PART 1

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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.