

# VIDYAPROVA ACADEMY

FOUNDATION COURSE • CLASSES 6–8

Building Strong Concepts • Developing Problem-Solving Skills • Preparing for Future Success

| Class   | Level               | Mathematics                                                                     | Science                                                                        |
|---------|---------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Class 6 | Foundations         | Whole numbers, basic fractions, decimals, and basic geometry concepts.          | Food sources, components of food, sorting materials, and motion measurement.   |
| Class 7 | Intermediate Skills | Integers, fractions, simple linear equations, and data handling.                | Nutrition in plants and animals, heat transfer, acids, bases, and respiration. |
| Class 8 | Advanced Basics     | Rational numbers, exponents, squares, cubes, and introduction to factorisation. | Crop production, synthetic fibres, metals and non-metals, force, and pressure. |

## Course Objectives

- Strengthen fundamental concepts in Mathematics and Science.
- Develop logical thinking, calculation skills, observation, and scientific reasoning.
- Move progressively from basic concepts to higher-order problem solving.
- Build a strong academic foundation for Classes 9–10 and future competitive examinations.

## Suggested Learning Approach

- Concept explanation → worked examples → guided practice → independent practice → short assessment.
- Regular revision of previous concepts before introducing advanced topics.
- Use diagrams, real-life examples, experiments, worksheets, and competency-based questions.
- Periodic tests to identify learning gaps and track progress.

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