

NCERT Class 8th Complete Guide

This guide provides a complete overview of NCERT Class 8th including all books, chapter-wise syllabus, marks distribution, study tips, and exam preparation strategies. It is designed to help students and parents plan studies effectively and perform well in exams.

1. NCERT Class 8 Books

Here is the list of subjects and corresponding NCERT books for Class 8:

- 1. Mathematics
- 2. Science
- 3. English (Honeydew and It So Happened - Supplementary)
- 4. Hindi (Vasant, Durva, Bharat ki Khoj - Supplementary)
- 5. Social Science (History - Our Past III, Geography - Resources and Development, Civics - Social and Political Life III)
- 6. Sanskrit (Ruchira)

2. Chapter-wise Syllabus

Each subject contains multiple chapters. Here is a subject-wise chapter overview:

1. Mathematics

- Rational Numbers
- Linear Equations in One Variable
- Understanding Quadrilaterals
- Practical Geometry
- Data Handling
- Squares and Square Roots
- Cubes and Cube Roots
- Comparing Quantities
- Algebraic Expressions and Identities
- Visualising Solid Shapes
- Mensuration
- Exponents and Powers
- Direct and Inverse Proportions
- Factorisation
- Introduction to Graphs
- Playing with Numbers

2. Science

- Crop Production and Management
- Microorganisms: Friend and Foe

- Synthetic Fibres and Plastics
- Materials: Metals and Non-Metals
- Coal and Petroleum
- Combustion and Flame
- Conservation of Plants and Animals
- Cell - Structure and Functions
- Reproduction in Animals
- Reaching the Age of Adolescence
- Force and Pressure
- Friction
- Sound
- Chemical Effects of Electric Current
- Some Natural Phenomena
- Light
- Stars and the Solar System
- Pollution of Air and Water

3. English

- Honeydew (10 prose + 8 poems)
- It So Happened (10 supplementary stories)

4. Social Science

- History: Our Past III (10 chapters)
- Geography: Resources and Development (6 chapters)
- Civics: Social and Political Life III (10 chapters)

3. Marks Distribution

The marks distribution may vary by school, but typically:

- Each subject carries 100 marks.
- Written exam: 80 marks.
- Internal assessment / project work / class tests: 20 marks.

4. Study Tips and Exam Preparation

1. Create a subject-wise study schedule and follow it consistently.
2. Practice numerical problems daily in Maths and Physics.
3. Read Science chapters thoroughly and make short notes.
4. Highlight important terms and definitions in textbooks.
5. Use mind maps for Social Science chapters for easy recall.
6. Solve sample papers and previous year questions regularly.

7. Revise chapters weekly to strengthen memory retention.
8. Take mock tests to build exam confidence and improve time management.