

NCERT Class 7th Complete Guide

This guide provides a complete overview of NCERT Class 7th 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 7 Books

Here is the list of subjects and corresponding NCERT books for Class 7:

- 1. Mathematics
- 2. Science
- 3. English (Honeycomb and An Alien Hand - Supplementary)
- 4. Hindi (Vasant, Durva, Mahabharat - Supplementary)
- 5. Social Science (History - Our Past II, Geography - Our Environment, Civics - Social and Political Life II)
- 6. Sanskrit (Ruchira)

2. Chapter-wise Syllabus

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

1. Mathematics

- Integers
- Fractions and Decimals
- Data Handling
- Simple Equations
- Lines and Angles
- The Triangle and Its Properties
- Congruence of Triangles
- Comparing Quantities
- Rational Numbers
- Practical Geometry
- Perimeter and Area
- Algebraic Expressions
- Exponents and Powers
- Symmetry
- Visualising Solid Shapes

2. Science

- Nutrition in Plants
- Nutrition in Animals
- Fibre to Fabric

- Heat
- Acids, Bases and Salts
- Physical and Chemical Changes
- Weather, Climate and Adaptations of Animals to Climate
- Winds, Storms and Cyclones
- Soil
- Respiration in Organisms
- Transportation in Animals and Plants
- Reproduction in Plants
- Motion and Time
- Electric Current and Its Effects
- Light
- Water: A Precious Resource
- Forests: Our Lifeline
- Wastewater Story

3. English

- Honeycomb (10 prose + 9 poems)
- An Alien Hand (10 supplementary stories)

4. Social Science

- History: Our Pasts II (10 chapters)
- Geography: Our Environment (10 chapters)
- Civics: Social and Political Life II (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. Follow a consistent study schedule.
2. Revise concepts regularly to avoid last-minute pressure.
3. Solve examples and exercise problems in Mathematics.
4. Perform Science experiments when possible for practical understanding.
5. Highlight important dates and events in History.
6. Practice grammar and reading comprehension for English and Hindi.

7. Write short notes and summaries for revision.
8. Attempt mock tests and previous year question papers.