

ARMY PUBLIC SCHOL, OAC CLASS -VII (2026-27)

1. Mathematics (NCERT Textbook)

* Number Systems: Integers (properties, addition, subtraction, multiplication, division), Fractions and Decimals.

* Algebra: Data Handling (Mean, Median, Mode, Bar graphs), Simple Equations, Algebraic Expressions.

* Geometry & Shapes: Lines and Angles, The Triangle and its Properties, Congruence of Triangles, Visualising Solid Shapes.

* Comparing Quantities: Ratios, Proportions, Percentages, Profit and Loss, Simple Interest.

* Mensuration: Perimeter and Area (Squares, Rectangles, Triangles, Parallelograms, Circles).

2. Science (NCERT Textbook)

* Physics: Heat and Temperature, Time and Motion, Electric Current and its Effects, Light (Reflection, Lenses, Spherical Mirrors).

* Chemistry: Acids, Bases and Salts, Physical and Chemical Changes.

* Biology: Nutrition in Plants, Nutrition in Animals, Respiration in Organisms, Transportation in Animals and Plants, Reproduction in Plants.

* Natural Resources & Ecology: Forests: Our Lifeline, Wastewater Story, Weather, Climate, and Adaptations of Animals.

3. Social Science (NCERT History, Civics, Geography)

* History (Our Pasts - II): Tracing changes through a thousand years, New Kings and Kingdoms, The Delhi Sultans, The Mughal Empire, Rulers and Buildings, Tribes, Nomads and Settled Communities, Devotional Paths to the Divine.

* Geography (Our Environment): Environment, Inside Our Earth, Our Changing Earth, Air (Composition and Structure), Water, Natural Vegetation and Wildlife, Human Environment Interactions.

* Social and Political Life (Civics - II): On Equality, Role of the Government in Health, How the State Government Works, Growing Up as Boys and Girls, Women Change the World, Understanding Media, Markets Around Us.

4. English (NCERT Honeycomb & An Alien Hand)

* Literature: Textual stories and poetry analysis focusing on central themes, vocabulary, and values.

* Grammar:

  • Sentence structure, Clauses, and Determiners.

  • Active and Passive Voice, Reported Speech (Direct/Indirect).

  • Advanced Tenses, Modals, Subject-Verb Agreement, and Prepositions.

* Writing Skills: Formal Letter Writing, Email Writing, Article/Paragraph Writing, Diary Entry, and Notice Writing.

5. Hindi (हिन्दी - NCERT वसंत भाग-2 / बाल महाभारत कथा)

* साहित्य (Literature): 'वसंत' के गद्य और पद्य पाठ, साथ ही 'बाल महाभारत कथा' की विस्तृत कहानियाँ।

* व्याकरण (Grammar):

  • वर्ण-विचार, शब्द-विचार, उपसर्ग और प्रत्यय।

  • संधि (स्वर संधि के भेद), समास (प्रारंभिक परिचय)।

  • संज्ञा, सर्वनाम, विशेषण, क्रिया, काल, और अव्यय के भेद।

  • मुहावरे, लोकोक्तियाँ, पर्यायवाची, विलोम, और अनेक शब्दों के लिए एक शब्द।

* लेखन (Composition): औपचारिक/अनौपचारिक पत्र, निबंध/अनुच्छेद लेखन, संवाद लेखन (Dialogue), और अपठित बोध।

6. Computer Science

* Advanced Operating Concepts: Working with advanced GUI components, system utilities, and data storage structures.

* Spreadsheets & Data: Introduction to Microsoft Excel (Formatting cells, entering basic formulas, sorting, and filtering data).

* Coding & Web Elements: Basic HTML tags (building basic web structures) or introductory logic in Python/block coding environments.

* Cyber Safety: Digital footprint awareness, online communication etiquette, and phishing/malware protection basics.