

CAMBRIAN PUBLIC SCHOOL KANKE ROAD RANCHI

Class – XI PCM & PCB (Session 2026-27)

Syllabus

Subject: English

Prescribed Book: – NCERT

Months	No. of Working Day	Description
April / May	24+18	1. Bridge Course
June	19	1. Parts of Speech 2. Figure of Speech 3. Tenses 4. Phrases 5. Clauses 6. Direct/Indirect Speech 7. Subject-verb agreement 8. Reading Skills 9. The portrait of a lady 10. The Summer of the beautiful white horse 11. A Photograph 12. Classified Advertisement
Assessment Schedule		Periodic Test – I: 06.07. 2026 (Portion covered from April to June)
July	26	1. The Address 2. We are not afraid to die if we can all be together 3. Discovering Tut: The Saga continues 4. Note Making
August	24	1. The Laburnum Top 2. The voice of the rain 3. Poster Making 4. Unseen passage 5. Speech Writing 6. Debate Writing
September	22	Portion Covered from April to August
October	21	1. Childhood 2. The Adventure 3. Mother's Day
Assessment Schedule		Periodic Test – II: 30.10.2026 (Portion covered in Oct)
November	25	1. Birth 2. Silk Road 3. Case Based Factual passage 4. Determiners
December	21	1. The tale of melon city 2. Father to son
Assessment Schedule		Periodic Test – III: 11.01.2026 (Portion covered in Nov and Dec)
January	23	1. Revision of the whole syllabus
February & March	23	Whole Syllabus (Annual Exam.)

Subject: Physics (042)

Prescribed Book: –

NCERT Text Book (Part 1+ Part 2)

NCERT Exemplar

LAB MANUAL

Month	No. of Working Day	Description
April / May	24+18	1. Bridge Course
June	19 + 26	2. Unit and Measurements
July		3. Motion in Straight line
		4. Motion in a Plane
		5. Laws of Motion
		6. Work Energy and Power
		7. System of Particles and Rotational Motion
Assessment Schedule		Periodic Test – I: 20.07.2026 (Ch – 2, 3, 4)
August	24	8. Gravitation
		9. Mechanical properties of solids
September	22	Revision & Half Yearly Exam
October	21	10. Mechanical properties of Fluids
		11. Thermal properties of Matter
November	18	12. Thermodynamics
		13. Kinetic Theory
Assessment Schedule		Periodic Test – II: 30.11.2026 (Ch – 10, 11, 12)
December	21	14. Oscillations
		15. Waves
Assessment Schedule		Periodic Test – III: 14.12.2026 (Ch – 13, 14, 15)
January	22	Revision/Practical
February	23	Practical Exam (Board Exam)
March	23	Annual Exam

Subject: Chemistry (043)

Prescribed Book: –

NCERT Text Book (Part 1+ Part 2)

NCERT Exemplar

LAB MANUAL

Month	No. of Working Day	Lesson / Chapter
April / May	24+18	1. Bridge Course
June	19	2. Structure of Atom
		3. Classification of Elements and Periodicity in properties
July	26	4. Chemical Bonding and Molecular structure
Assessment Schedule		Periodic Test I: Ch 1: Some Basic concepts of Chemistry Ch 2: Structure of Atom

August	24	5. Chemical Thermodynamics
September	22	Ch – 1, 2, 3, 4 and 5 Revision & Half Yearly Exam
October	21	6. Equilibrium
November	18	7. Redox Reaction 8. Organic Chemistry: Some Basic Principles and Techniques
Assessment Schedule		Periodic Test II: Ch 5: Chemical Thermodynamics Ch 6: Equilibrium (Chemical only)
December	21	8. Organic Chemistry: Some Basic Principles and Techniques 9. Hydrocarbon
Assessment Schedule		Periodic Test III: Ch 6: Equilibrium (Ionic only) Ch 7: Redox Reaction
January	22	Chapter Revision
February	23	Annual Exam

Activities	Volumetric Analysis
	Content Based Experiment
	Salt Analysis
	Project Work

Subject: Mathematics

Prescribed Book: – NCERT

Months	No. of Working Day	Description
April / May	24+18	1. Bridge Course
June	19	1. Sets 2. Relation and Functions
July	26	3. Measurement of Angles 4. Trigonometric Functions
Assessment Schedule		Periodic Test –I: 10.07.2026 (Sets, Relation and Function)
August	23	5. Complex Numbers and Quadratic Equations 6. Limits and Derivatives
September	22	7. Linear Inequalities 8. Permutations
Half Yearly Examination		All the above topic
October	21	9. Combinations 10. Binomial Theorem
Assessment Schedule		Periodic Test – II: 26.10.2026 (Permutations & Combinations)
November	18	11. Sequence and Series, G.P. 12. The Straight Lines

December	21	13. Circle 14. Parabola 15. Ellipse 16. Hyperbola
Assessment Schedule		Periodic Test – III: 04.12.2026 (Sequence and Series, G.P.)
January	22	17. Three-Dimensional Geometry 18. Statistics
February	23	19. Probability 20. Revision of previous topic and Exam.
March		Annual Exam.

Subject: Biology

Prescribed Book: – NCERT

Month	No. of Working Day	Chapters/Topics
April / May	24+18	1. Bridge Course
June	19	Theory: 1. The Living World 2. The Biological Classification Practical: 1. Introduction 2. Structure of Microscopes
July	26	Theory: 3. Plant Kingdom 4. Animal Kingdom 5. Morphology of Flowering Plants Practical: 3. To study about virtual specimens :10 Animals and10 Plants
Assessment Schedule		Periodic Test I: 31/07/2026
August	23	6. Anatomy of Flowering Plants 7. Structural Organisation in Animals 8. Cell: The Unit of Life Practical: 4. To Study about stages of mitosis by using permanent slides 5. To study about Dicot and Monocot Roots and Stem by using permanent slides.
September	22	Theory: 9. Biomolecules 10. Cell Cycle and Cell Division Practical: 6. To test presence of Proteins/Fats/Starch in given food stuffs Submission of Project and Practical Note Book Half Yearly Examinations:
October	21	Theory: 11. Photosynthesis in Higher Plants 12. Respiration in Plants 13. Plant Growth and Development Practical: 7. To study the process of osmosis by potato osmometer. 8. To study the process of plasmolysis. 9. To study distribution of stomata.

November	18	Theory: 14. Breathing and Exchange of Gases 15. Body fluids and Circulation 16. Excretory Products and their Elimination Practical: 10. To detect presence of urea in urine. 11. To detect presence of sugar in urine. 12. To detect presence of Albumin in urine.
Assessment Schedule		Periodic Test -III: 27/09/2026
December	21	Theory: 17: Locomotion and Movement 18: Neural Control and Coordination 19: Chemical Coordination and Integration Practical: 13. To study the human skeleton. 14. To study about bone joints in human skeleton.
Assessment Schedule		Periodic Test -IV 18/12/2026
January	22	Revision and Exam Practice Final Submission of Project and Practical Note Book
February		Annual Theory and Practical Examinations
March		Annual Exam.

Subject: Computer Science (083)

Months	No. of Working Day	Description
April / May	24+18	1. Bridge Course
June	19	1. Computer System and Organization 2. Computational Thinking and Programming (Remaining Concept)
July	26	2. Computational Thinking and Programming (Remaining Concept)
Assessment Schedule		Periodic Test –II: 27.07.2026 (Computer System and Organization)
August	24	2. Computational Thinking and Programming (Remaining Concept)
September	22	Unit-(1, 2)- Uptlil String Half Yearly
October	21	2. Computational Thinking and Programming (Remaining Concept)
Assessment Schedule		Periodic Test – III: 12.10.2026 (Computational Thinking and Programming)
November	25	2. Computational Thinking and Programming (Remaining Concept)
December	21	3. Society Law & Ethics
Assessment Schedule		Periodic Test – IV: 07.12.2026 (Society Law & Ethics)
January	23	2. Revision of the Whole Syllabus
February & March (Annual Exam.)	23	Whole Syllabus

Subject: Physical Education

Months	No. of Working Day	Description
April / May	24+18	1. Bridge Course
June	19	Unit 1: Changing Trends & Career in Physical Education Unit 2: Olympic Value Education Practical Activities
Assessment Schedule		Periodic Test II- 27.07.2026 (Portion Covered till Month of June)
July	22	Unit 3: Yoga Unit 4: Physical Education & Sports for CWSN Practical Activities
August	23	Unit 5: Physical Fitness, Wellness & Lifestyle Unit 6: Test, Measurement & Evaluation Practical Activities
September	22	Revision + Half Yearly Examination (Portion Covered till Month of August)
October	21	Unit 7: Fundamentals of Anatomy & Physiology Practical Activities Unit 8: Fundamentals of Kinesiology & Biomechanics
Assessment Schedule		Periodic Test III- 12.10.2026 (Portion Covered till Month of October)
November	18	Unit 9: Psychology & Sports Revision
Assessment Schedule		Periodic Test IV- 07.12.2026 (Portion Covered till Month of November)
December	21	Unit 10: Training & Doping in Sports
January	22	Revision + Practice Papers
February & March	23 & 23	Board Examination

Subject: Fine Arts (049)

Month	No of working days	Topic
April / May	24+18	1. Bridge Course
June	19	1. Introduction Period and location. Study and appreciation of following pre-historic paintings: Wizard dance, Bhimbethaka. Study and appreciation of following: sculptures in bronze and Terra cottas: Introduction to method of Bronze casting.
July	26	<ul style="list-style-type: none"> • Dancing girl. • Male Torso. • Mother Goddess. Study and appreciation of following Seal: <ul style="list-style-type: none"> • Bull (Seal) • Painted Earthen -ware (Jar)

August	23	2. Buddhist, Jain and Hindu art (3 rd century B.C.to 8 th century A. D.) <ul style="list-style-type: none"> • General introduction and understanding of Art during Mauryan, Kushana and Gupta period. • Lion Capital from Sarnath. • Chauri Bearer from Didar Ganj. • Seated Buddha from katra Mound, Mathura. • Jain Tirathankara.
September	22	3. Introduction to Ajanta Location. <ul style="list-style-type: none"> • Chaitya Caves and Vihara Caves. • Padmapani Bodhisattva.
October	21	4. Temple Sculpture, Bronzes and artistic aspects of Indo-Islamic Architecture. <ul style="list-style-type: none"> • Descent of Ganga. • Trimurti. • Lakshmi Narayana Kandariya Mahadev Temple. • Cymbal Player. • Mother and Child.
November	18	5. Introduction to Indian bronzes. <ul style="list-style-type: none"> • Method of casting. • Study and appreciation of following South Indian bronze. • Nataraj. 6. Artistic aspects of the Indo- Islamic architecture: <ul style="list-style-type: none"> • Introduction. • Study and appreciation of following architecture: • Qutub Minar, Delhi. • Gol Gumbad of Bijapur.
December	21	Revision
January	22	Revision
February	23	Annual Exam
