

**PRABHAT TARA ENGLISH MEDIUM SCHOOL, DHURWA, RANCHI**  
**SYLLABUS (2025-2026)**  
**CLASS - X**

ENGLISH LANGUAGE			
Sl. No.	Topic	Type	Terms
1	Composition ( Narrative and Descriptive)	Composition	Term -1 ( April to August)
2	Notice writing and e -mail writing	Composition	
3	Formal and Informal Letter	Composition	
4	Comprehension Passage	Comprehension	
5	Direct and Indirect Speech	Functional Grammar	
6	Active and Passive Voice	Functional Grammar	
7	Sequence of Tenses	Functional Grammar	
8	Transformation of Sentences	Functional Grammar	Term - 2 (September to December)
9	Agreement of the Verb with the Subject	Functional Grammar	
10	Proposition	Functional Grammar	
11	Synthesis of Sentences	Functional Grammar	
12	Vocabulary in context	Functional Grammar	
13	Composition (Reflective and Argumentative)	Composition	
14	Story Writing	Composition	
	Revision	Sample Papers	

<b>ENGLISH LITERATURE</b>		
<b>Sl. no.</b>	<b>Month</b>	<b>Chapter</b>
1.	April	With the Photographer (prose)
2.	April	Haunted House(poem)
3.	April	Julius Caesar Act -3, Scene-1
4.	May	The Elevator (prose)
5.	May	The Glove and the Lions (poem)
6.	June	The Girl who can (story)
7.	June	When Great Trees fall (poem)
8.	July	Julius Caesar Act 3, scene 2 and 3
9.	July	Act 4, Scene 1 and2
10.	August	Act 4, scene 3
11.	September	The Pedestrian (prose)
12.	September	A Considerable speck (poem)
13.	October	Julius Caesar Act 5, Scene 1,2,3,4 and 5
14.	November	The Last Lesson (prose)
15.	November	The Power of Music (poem)

<b>MATHEMATICS</b>			
<b>MONTH</b>	<b>Chapters</b>	<b>Title Of The Chapters</b>	
March	Ch-4	Linear Inequations	
March	Ch-9	Matrices	
April	Ch-5	Quadratic Equations	
April	Ch-8	Factorijation Of Polynondials	
1 <sup>st</sup> Unit Test (Ch-4,5,8,9 )			
May	Ch-7	Ratio And Proportions	
June	Ch-6	Solving Problems (Based On Quadratic Eqn.)	
June	Ch-10	A.P.	
June	Ch-11	G.P.	
July	Ch-1	Gst (Goods And Services Tax)	
July	Ch-12	Reflection	
July	Ch-15	Similarity	
July	Ch-25	Probability	
August	Ch-21	Trigonometrical Identities	
First Term Exam (Ch-16,10,11,12,15,25)			
September	Ch-2	Banking	
September	Ch-13	Section Formula And Mid-Point Formula	
September	Ch-16	Loci	
September	Ch-17	Circle	
October	Ch-23	Graphical Representation	
	Ch-24	Measures Of Central Tendencey	
Second Term Exam (Ch-2,13,16,24,21,23,17)			
November	Ch-3	Shares And Dividend	
November	Ch-14	Equation Of A Line	
November	Ch-18	Tangents And Interesting Chords	
November	Ch-19	Construction	
November	Ch-22	Height And Distance	
		Sample Papers /Revision Of Entire Syllabus	

<b>CHEMISTRY</b>		
<b>MONTH</b>	<b>TERM</b>	<b>CHAPTER</b>
April		<ul style="list-style-type: none"> <li>Periodic table, periodic properties and variations of properties</li> </ul>
May	1 <sup>st</sup> Unit Test Chapter 1	<ul style="list-style-type: none"> <li>Chemical Bonding</li> </ul>
June		<ul style="list-style-type: none"> <li>Acids, bases and salts Analytical Chemistry</li> </ul>
July		<ul style="list-style-type: none"> <li>Mole Concept and Stoichiometry</li> </ul>
August	1 <sup>st</sup> Term Chapter – 1,2,3,4 and 5	<ul style="list-style-type: none"> <li>Electrolysis</li> </ul>

September		<ul style="list-style-type: none"> <li>• Metallurgy</li> <li>+</li> <li>• Hydrogen Chloride, Ammonia</li> </ul>
October	<b>2<sup>nd</sup> Term</b> Chapter- 6,7,8 and 9	<ul style="list-style-type: none"> <li>• Nitric Acid and Sulphuric Acid</li> </ul>
November		<ul style="list-style-type: none"> <li>• Organic Chemistry</li> <li>+</li> <li>Revision</li> </ul>
December	<b>3<sup>rd</sup> Term</b> Chapter- 10,11,12 + (Whole Book)	

<b>BIOLOGY</b>		
<b>Month</b>	<b>Term</b>	<b>Chapter</b>
<b>March</b>		1.Cell - Revision
		2.Structure of chromosome, Cell cycle and Cell division
<b>April &amp; May</b>		3.Genetics 4.Absorption by Roots 5.Transpiration
<b>May</b>	Unit test	Chapter : 2,3,4
<b>June</b>		6.Photosynthesis 7.Chemical coordination in plants
<b>July</b>		8. Circulatory system 9.Excretory system
<b>August</b>		9.The Excretory system(continue) 10. The Nervous system 11.Sense organs :The Eyes
<b>August</b>	First Term Exam	Chapter : 5,6,7,8,9,10,11(Eyes)
<b>September</b>		: The Ear 12.The Endocrine system 13. The Reproductive system
<b>October</b>		14. Human Evolution 15. Population
<b>October</b>	Second Term Exam	Chapters : 11(Eye and Ear),12,13,14,15
<b>November</b>		16.Pollution
<b>December</b>		Sample papers/Revision of entire syllabus
<b>January</b>	Pre – ICSE exam	Chapter 1 to 16 (Whole Book)

<b>COMPUTER</b>		
<b>MONTHS</b>	<b>CHAPTERS</b>	<b>TERMS</b>
April	Ch 8-Array	
May	Ch 8-Array +Ch 9-String Handling	Unit Test Ch 8
June	Ch 9-String Handling + Ch Class as the basic Computation	
July	Ch 9-String Handling + Ch 7-Encapsulation	
August	Ch 4-User defined Method	Terminal Exam Ch 4, Ch 7, Ch 8, Ch 9
September	Ch-User defined Method +Ch 5-Constructor	
October	Method Overloading +Ch 6-Library classes	Unit Test Ch 4, Ch 5, Ch 6, Ch 7, Ch 8, Ch 9
November	Revision+ Model Test Paper	
December	Revision+ Model Test Paper	Whole Book
January	Revision+ Model Test Paper	

<b>HISTORY-CIVICS</b>		
<b>Subjects &amp; Chapters</b>	<b>Topics of the Chapters</b>	<b>Months</b>
Chapter 5 (History: B)	The National Movement – 1915- 1947.	March-April
<b>Chapter 5 (Civics)</b>	<b>The Judiciary: The High Courts</b>	<b>April</b>
	<b>: The Subordinate Courts</b>	<b>May</b>
Chapter 4 (History: C)	The United Nations	June
Chapter 6 (History: B)	Quit India Movement	June
Chapter 7 (History: B)	Forward Block July	July

Chapter 8 (History: B)	Independence and Partition of India	July
Chapter 5 (History: C)	Major Agencies of the United Nations	July- August
Chapter 6 (History: C)	Non- Aligned Movement	September

<b>HINDI</b>		
<b>MONTH</b>	<b>CHAPTER</b>	<b>TOPICS</b>
अप्रैल मई	Section-A (10 marks) प्रस्तावना, कहानी लेखन, चित्र लेखन, पत्र लेखन, विलोम शब्द, पर्यायवाची, वाच्य । Section-B (10 marks) भीड़ में खोया आदमी (गद्य भाग) थ्वनय के पद (पद्य भाग)	Unit Test
जून जुलाई अगस्त	Section-A (40 marks) निबंध लेखन, पत्र-लेखन, व्यवहारिक व्याकरण, अपठित गद्यांश । Section-B (40 marks) भेड़ और भेड़िया , दो कलाकार । चलना हमारा काम है । मत्ृ मंदिर की ओर	1 <sup>st</sup> Terms
सितम्बर अक्टूबर	Section-A (40 marks) भाषा – प्रस्तावना, कहानी लेखन, चित्र लेखन, पत्र लेखन, भाव ग्रहण, व्यवहारिक व्याकरण । Section-B (40 marks) गद्य: – साखी, गिरिधर की कुंडलियाँ, भिक्षुक, स्वर्ग बना सकते हैं, विनय के पद । ( परियोजना कार्य : – विद्यार्थी जीवन की चुनौतियाँ, समस्याएँ और समाधान )	1 <sup>st</sup> Term
नवम्बर दिसम्बर	Section-A (40 marks) प्रस्तावना, पत्र लेखन, कहानी लेखन, भावग्रहण व्यवहारि व्याकरण । Section-B (40 marks) गद्य: – नेताजी का चश्मा, बड़े घर की बेटी, अपना अपना भाग्य दो कलाकार पद्य: – मेघ आए , चलना हमारा काम है, वह जन्मभूमि मेरी, सूर के पद	

GEOGRAPHY			
Chapter No.	Name	Month	
01	Interpretation of Topographical Maps	April	} 1 <sup>st</sup> Term
03	Climate	April	
04	Soil Resources	April/May	
05	Natural Vegetation	June	
06	Water Resources	July	
07	Mineral & Energy Resources	July	
08	Agriculture in India - I	Aug	
09	Agriculture in India - II	Sept	
10	Manufacturing Industries: Agro - based	Sept	
11	Manufacturing Industries: Mineral - based	Oct	
12	Transport	Oct	
13	Waste Management - I	Nov	
14	Waste Management - II	Nov	

PHYSICS			
MONTH	CHAPTERS	TOPIC	TERM
APRIL	1	<p align="center"><u>Force</u></p> Translation and rotational motion; Moment of force or torque; Factors affecting the turning of body; Units of moment of force; Clockwise and Anti clock wise movement; Couple; Moment of couple; Equilibrium and its conditions; Principle of moment; Centre of gravity; Centre of gravity of regular and irregular lamina; Centripetal and centrifugal force.	1 <sup>ST</sup> UNIT TEST
	2	<p align="center"><u>Work</u></p> Definition, expression and unit; Factors affecting work; Different cases of work done; Condition for work done by a force to be zero; Work done by gravity; Power, definition and unit; Energy definition and units; Mechanical energy that is potential energy and kinetic energy and its expression;	

MAY	2	<p align="center"><u>Work ( Continue )</u></p> <p>Relation between Kinetic energy and momentum; Work energy theorem; Different forms of energy and their conversion; Principle of conservation of energy.</p>	CH:- 1 AND 2 ( SOME PORTION )
JUNE	3	<p align="center"><u>Machine</u></p> <p>Function and terms; Principle of machine; Relation between efficiency mechanical advantage and velocity ratio; Lever its principle and kinds; Pulley its mechanical advantage, velocity ratio and efficiency.</p>	
	4	<p align="center"><u>Refraction of light at plains surface</u></p> <p>Refraction of light; Refraction of light through different mediums; Laws of refraction; Effect on speed frequency and wavelength of light due to refraction of light;</p>	
JULY	4	<p align="center"><u>Refraction of light at plains surface ( Continue )</u></p> <p>Relation between refractive index and speed of light; Conditions for light ray to pass undeviated; Factors affecting refractive index of medium; Refraction of light through a rectangular glass block; Lateral displacement and its factors; Refraction through prism and its factors affecting angle of deviation; Real and apparent depth and relation of it with refractive index of a material; Critical angle and factors affecting it; Total internal reflection and the essential conditions for it.</p>	1 <sup>ST</sup> TERM CH:- 1, 2, 3, 4 and 5.
	5	<p align="center"><u>Refraction through a lens</u></p> <p>Lens and its type; Converging and diverging lens; Terms related to lens; Principles to construct Ray diagrams; Characteristics and location of image by different lenses; Sign conventions and lens formula; Magnification; Power of lens.</p>	
AUGUST	6	<p align="center"><u>Spectrum</u></p> <p>Deviation by prism; Dependence of deviation on colour of light; Dispersion of white light; Electromagnetic spectrum and properties of the electromagnetic waves; Scattering of light.</p>	

SEPTEMBER	7	<p style="text-align: center;"><u>Sound</u></p> <p>Sound wave; Reflection of sound wave; Echo and its conditions; Sonar; Natural vibrations and its nature; Damped vibrations; Forced vibrations; Resonance and its condition; Characteristics of sound loudness, pitch and quality.</p>	
	8	<p style="text-align: center;"><u>Current electricity</u></p> <p>Charge and its unit; Current it's unit and flow; Electric potential, potential difference and its unit; Resistance; Ohm's law; Ohmic and non-ohmic resistors; Factors affecting resistance, Specific resistance and its factors affecting; Conductivity; emf and factors affecting emf; Terminal voltage; Combination of resistors; Electrical energy and its expression; Electrical power; Commercial units of electrical energy; Power rating of appliances; Heating effect of current.</p>	
OCTOBER	9	<p style="text-align: center;"><u>Household circuits</u></p> <p>Transmission of power; Power distribution to a house; House wiring; Components of house wiring system.</p>	2 <sup>ND</sup> TERM CH:- 1, 2, 3, 4, 5, 6, 7, 8 and 9.
	10	<p style="text-align: center;"><u>Electromagnetism</u></p> <p>Oersted's Experiment; Magnetic field and field lines due to current; Right hand thumb rule; Clock rule; Electromagnet, ways to increase the magnetic field of an electromagnet; Permanent magnet; Advantages and uses of an electromagnet; Magnetic force and its unit; Flemings left hand rule; Electromagnetic Induction; Faradays law and factors affecting magnitude of induced emf; Direction of induced emf; Lenz's law and Flemings right hand law; Difference and advantages over ac and dc; Transformer types and its uses.</p>	
NOVEMBER	11	<p style="text-align: center;"><u>Calorimetry</u></p> <p>Heat and its unit; Temperature and its unit; Factors affecting heat absorption to increase the temperature of the body; Heat capacity and its unit; Specific heat capacity and its unit; Relation between heat capacity and specific heat capacity; Principle of calorimetry; Change in volume on boiling; Effect of pressure on boiling point; Effect of impurities on boiling point; Latent heat and specific latent heat and its unit; Natural</p>	

	12	consequence of high specific latent heat of fusion of ice.  <b>Radioactivity</b> Structure of atom and nucleus; Atomic model; Isotopes; Isobars; Isotones; Radio activity properties of different radioactive particles; Change within nucleus in different emission; Uses of radioactivity; Source, harmful effects and safety precautions while using radioactive substance; Nuclear energy; Nuclear Fission; Nuclear Fusion.	
DECEMBER		Revision	

<b>RELIGION</b>	
EXAM	CHAPTERS
1 <sup>ST</sup> TERM	6, 7, 8
2 <sup>ND</sup> TERM	9, 10

  
 Principal  
 Prabhat Tara English Medium School  
 Sector-4, P.O. Dhurwa, Ranchi-4