



DELHI PUBLIC SCHOOL TAPI, SURAT



CLASS X SYLLABUS

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ENGLISH SYLLABUS

PRE MID TERM

- **SECTION A:** Unseen Comprehension (Prose/Poetry)
- **SECTION B:** Letter to the Editor, Article, Short Story, Non-Finites, Relatives, Connectors, Conditionals, Determiners, Tenses, Subject-Verb Agreement, Passive Voice
- **SECTION C:** Two Gentlemen of Verona, Mrs Packletide's Tiger, The Frog and the Nightingale, Mirror
- **Supplementary Reader:** Chapter 1, 2, 3
- **Assessment of Speaking and Listening (ASL)**

MID TERM (In addition to previous syllabus)

- **SECTION A:** Unseen Comprehension (Prose/Poetry)
- **SECTION B:** Letter to the Editor, Article, Short Story, Determiners, Tenses, Subject-Verb Agreement, Non-Finites, Relatives, Connectors, Conditionals
- **SECTION C:** The Dear Departed; The Letter; Not Marble, nor the Gilded Monuments
- **Supplementary Reader:** Chapter 4, 5
- **Assessment of Speaking and Listening (ASL)**

POST MID TERM (In addition to previous syllabus)

- **SECTION A:** Unseen Comprehension (Prose/Poetry)
- **SECTION B:** Comparison, Avoiding Repetition, Nominalisation, Modals, Active and Passive, Reported Speech, Prepositions
- **SECTION C:** A Shady Plot, Patol Babu: Film Star, Ozymandias, The Rime of the Ancient Mariner
- **Supplementary Reader:** Chapter 6, 7, 8, 9
- **Assessment of Speaking and Listening (ASL)**

FINAL TERM (In addition to previous syllabus)

- **SECTION A:** Unseen Comprehension (Prose/Poetry)
- **SECTION B:** Comparison, Avoiding Repetition, Nominalisation, Modals, Active and Passive, Reported Speech, Prepositions
- **SECTION C:** Virtually True, Snake, Julius Caesar
- **Supplementary Reader:** Chapter 6, 7, 8, 9
- **Assessment of Speaking and Listening (ASL)**

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HINDI SYLLABUS

PRE MID TERM

- SECTION A: Apizt gad\yaaMSa AaOr Apizt pd\yaaMSa
- SECTION B: vyaakrNa¹ Sabd va pd maom AMtrÊ ASaud\Qa SaaoQanaÊ mauhavaro -paz AaQaairt
- SECTION C: spSa- Baaga 2¹ baD,o Baa[- saahbaÊ Dayarl ka ek pnaa, kbalr kl saakl, malra ko pd saMcaayana Baaga 2- hirhr kaka
- SECTION D: rcanaa%mak laokNa¹ p~³AaOpcaairk p~', AnaucCod laokNa, saMvaad laokNa iva&aPana

MID TERM (In addition to previous syllabus)

- SECTION A: Apizt gad\yaaMSa AaOr Apizt pd\yaaMSa
- SECTION B: vyaakrNa¹ rcanaa ko AaQaarpr vaa@ya \$paMtrÊ samaasa
- SECTION C: spSa- Baaga 2¹ ttaÐra vaamalrao kqaaÊ tlarl ksama ko iSalpkar, pva-t P`adoSa maom pavasa, taop saMcaayana Baaga 2- hirhr kaka
- SECTION D: rcanaa%mak laokNa¹ saUcanaa laokNa, iva&aPana laokNa

POST MID TERM (In addition to previous syllabus)

- SECTION A: Apizt gad\yaaMSa AaOr Apizt pd\yaaMSa
- SECTION B: vyaakrNa¹Sabd va pd maom AMtrÊ ASaud\Qa SaaoQanaÊ mauhavaro -paz AaQaairt, rcanaa ko AaQaar pr vaa@ya \$paMtrÊ samaasa
- SECTION C: spSa- Baaga 2¹igarigaTÊ Aba khaÐ dUsaraoM ko duK maom duKl haonao vaalao, ibaharl ko daoho, manauYyata, maQaur-maQaur maoro dIPak jala saMcaayana Baaga 2- sapnaaoM ko sao idna
- SECTION D:rcanaa%mak laokNa¹ p~³AaOpcaairk p~', AnaucCod laokNa, saMvaad laokNa, saUcanaa laokNa, iva&aPana laokNa

FINAL TERM (In addition to previous syllabus)

- SECTION A: Apizt gad\yaaMSa AaOr Apizt pd\yaaMSa
- SECTION B: vyaakrNa¹Sabd va pd maom AMtrÊ ASaud\Qa SaaoQanaÊ mauhavaro -paz AaQaairt, rcanaa ko AaQaar pr vaa@ya \$paMtrÊ samaasa
- SECTION C: spSa- Baaga 2¹ ptJaD, maom TUTI pi%tyaaÐÊ kartUsa, kr calao hma ifda, Aa%ma~aNa saMcaayana Baaga 2- Taopl Sau@laa
- SECTION D: rcanaa%mak laokNa¹ AnaucCod laokNa, saUcanaa laokNa, iva&aPana laokNa, saMvaad laokNa p~³AaOpcaairk p~'



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MATHS SYLLABUS

PRE MID TERM

- **UNITS:** Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Triangles
- **LAB WORK:**
 - To find the HCF of two numbers experimentally based on Euclid's division lemma
 - To draw the graph of a quadratic polynomial
 - To obtain the conditions for consistency of a system of linear equations in two variables by graphical method.
 - To verify the Basic Proportionality Theorem using parallel line board and triangle cut-outs.
 - To verify the Pythagoras Theorem by the method of paper folding, cutting and pasting

MID TERM (In addition to previous syllabus)

- **UNITS:** Introduction to Trigonometry, Statistics, Quadratic Equations, Arithmetic Progressions
- **LAB WORK:**
 - To verify that the given sequence is an arithmetic progression by paper cutting and pasting method.
 - To verify that the sum of first n natural numbers is $n(n + 1) / 2$, that is $\Sigma n = n(n + 1) / 2$, by graphical method

POST MID TERM (In addition to previous syllabus)

- **UNITS:** Coordinate Geometry, Some Applications of Trigonometry, Circles, Constructions, Areas related to Circles
- **LAB WORK:**
 - To make a clinometer and use it to measure the height of an object.
 - To verify that the angle subtended by an arc at the centre of a circle is twice the angle subtended by the same arc at any other point on the remaining part of the circle, using the method of paper cutting, pasting and folding.
 - To verify that the angles in the same segment of a circle are equal
 - To verify, using the method of paper cutting, pasting and folding that
 - (a) the angle in a semicircle is a right angle,



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 - (b) the angle in a major segment is acute, c. the angle in a minor segment is obtuse.
- To verify, using the method of paper cutting, pasting and folding that
 - (a) the sum of either pair of opposite angles of a cyclic quadrilateral is 180° .
 - (b) In a cyclic quadrilateral the exterior angle is equal to the interior opposite angle.
- To verify using the method of paper cutting, pasting and folding that the lengths of tangents drawn from an external point are equal.
- To verify the Alternate Segment Theorem by paper cutting, pasting and folding.

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FINAL TERM (In addition to previous syllabus)

- **UNITS:** Surface Areas and Volumes, Probability
- **LAB WORK:**
 - To make a right circular cylinder of given height and circumference of base
 - To determine the area of a given cylinder. To obtain the formula for the lateral surface area of a right circular cylinder in terms of the radius (r) of its base and height (h).
 - To give a suggestive demonstration of the formula for the volume of a right circular cylinder in terms of its height (h) and radius (r) of the base circle.
 - To make a cone of given slant length (l) and base circumference ($2\pi r$). To give a suggestive demonstration of the formula for the lateral surface area of a cone.
 - To give a suggestive demonstration of the formula for the volume of a right circular cone.
 - To give a suggestive demonstration of the formula for the surface area of a sphere in terms of its radius.
 - To give a suggestive demonstration of the formula for the volume of a sphere in terms of its radius.
 - To get familiar with the idea of probability of an event through a double colour card experiment.



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SCIENCE SYLLABUS

PRE MID TERM

- **UNITS:** Chemical Reactions and Equations, Life Processes, Electricity, Magnetic effects of Electric Current, Sources of Energy, Our Environment
- **PRACTICALS:**
 - To perform and observe the following reactions and classify them into:
 - ⇒ Combination Reaction
 - ⇒ Decomposition Reaction
 - ⇒ Displacement Reaction
 - ⇒ Double displacement Reaction
 - To prepare a temporary mount of a leaf peel to show stomata.
 - To show experimentally that light is necessary for photosynthesis.
 - To show experimentally that carbon dioxide is given out during respiration.
 - To show the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plot a graph between V and I.
 - To determine the equivalent resistance of two resistors when connected in series.
 - To determine the equivalent resistance of two resistors when connected in parallel.

MID TERM (In addition to previous syllabus)

- **UNITS:** Acids, Bases and Salts, Metals and non-metals, Control and Coordination, Light: Reflection and Refraction, Human Eye and Colourful World, Management of Natural Resources
- **PRACTICALS:**
 - To find the pH of the given samples by using pH paper.
 - To study the properties of acids and bases.
 - To observe the action of Zn, Fe, Cu and Al metals on the given salt solutions.
 - To determine the focal length of (i) concave mirror (ii) convex lens by obtaining the image of a distant object
 - To trace the path of a ray of light passing through a rectangular glass slab for angle of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.



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 - To find the image distance for varying object distances in case of a convex lens and draw corresponding ray diagrams to show the nature of image formed
 - To trace the path of the rays of light through a glass prism

Contd...

POST MID TERM (In addition to previous syllabus)

- **UNITS:** How do Organisms Reproduce?, Heredity and Evolution
- **PRACTICALS:**
 - To study binary fission and budding.
 - To study the different parts of an embryo of a dicot seed.
 - Homology and Analogy

FINAL TERM (In addition to previous syllabus)

- **UNITS:** Carbon and its Compounds, Periodic Classification of Elements
- **PRACTICALS**
 - To study the properties of acetic acid.
 - To study saponification reaction.
 - To study the comparative cleaning capacity of soap in hard and soft water.



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SOCIAL SCIENCES SYLLABUS

PRE MID TERM

- **HISTORY:** The Rise Of Nationalism In Europe OR The Nationalist Movement in Indo-China (Any 1 of 2 Units)
- **GEOGRAPHY:** Resources and Development, Forest and Wildlife Resources (project based)
- **CIVICS:** Power Sharing, Federalism
- **ECONOMICS:** Development
- (Project + Map)

MID TERM (In addition to previous syllabus)

- **HISTORY:** Nationalism in India
- **GEOGRAPHY:** Water Resources, Agriculture
- **CIVICS:** Democracy and Diversity, Gender, Religion And Caste, Popular Struggles and Movement(only project work)
- **ECONOMICS:** Sectors of Indian Economy
- (Project-Parliament)

POST MID TERM (In addition to previous syllabus)

- **HISTORY:** The Making of a Global World OR The Age of Industrialisation OR Work, Life and Leisure (Any 1 of 3 Units)
- **GEOGRAPHY:** Mineral and Energy Resources, Manufacturing Industries
- **CIVICS:** Political Parties, Outcomes of Democracy
- **ECONOMICS:** Money and Credit, Globalisation and The Indian Economy
- (Project – MUN)

FINAL TERM (In addition to previous syllabus)

- **HISTORY:** Print Culture and The Modern World OR Novels Society and History (Any 1 of 2 Units)
- **GEOGRAPHY:** Lifelines of National Economy
- **CIVICS:** Challenges to Democracy



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- **ECONOMICS:** Consumer Rights
- (Project + Map)

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COMPUTER SCIENCE SYLLABUS

MID TERM

- Introduction to C++ Language
- Data Types
- Operators and Expressions Input and Output Operation Flow Chart
- Decision Structure (IF Then Else, Nested IF and Switch Statement)
- Programs: Calculator; Menu Card; Absolute value; Square Root; Result and Grade; Display odd or Even; Counting the length of characters in a string.

FINAL TERM (In addition to previous syllabus)

- Loop Statements (While, Do-While, For Loop)
- What is OOPS
- OOPS Feature
- Programs: Multiplication Table; Sum of n Natural numbers; Menu Card; Sum of n Numbers; Factorial; Reverting Digits; Fibonacci Series; Display stars in a pattern.



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