



DELHI PUBLIC SCHOOL TAPI, SURAT



CLASS IX SYLLABUS

Note:

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ENGLISH SYLLABUS

PRE MID TERM EXAMINATION:

- **SECTION A:** Unseen Comprehension (Prose/Poetry)
- **SECTION B:** Diary Entry, Article, Verb Forms, Short Story, Determiners
- **SECTION C:** How I taught My Grandmother to Read, The Brook, The Road Not Taken, A Dog Named Duke, People, Adventure
- **Supplementary Reader:** Part I (All Chapters)
- **Assessment of Speaking and Listening (ASL)**

MID TERM EXAMINATION: (In addition to previous syllabus)

- **SECTION A:** Unseen Comprehension (Prose/Poetry)
- **SECTION B:** Future Time Reference, Modals
- **SECTION C:** The Solitary Reaper, Lord Ullin's Daughter, Villa for Sale, Environment, The Class IX Radio and Video Show
- **Supplementary Reader:** Part II (All Chapters)
- **Assessment of Speaking and Listening (ASL)**

POST MID TERM EXAM: (In addition to previous syllabus)

- **SECTION A:** Unseen Comprehension (Prose/Poetry)
- **SECTION B:** Connectors, The Passive
- **SECTION C:** The Man Who Knew too Much, Keeping it from Harold, The Seven Ages, Oh, I Wish I'd Looked After My Teeth, Mystery
- **Supplementary Reader:** Part III (All Chapters)
- **Assessment of Speaking and Listening (ASL)**

FINAL EXAM: (In addition to previous syllabus)

- **SECTION A:** Unseen Comprehension (Prose/Poetry)
- **SECTION B:** Reported Speech, Prepositions
- **SECTION C:** Song of the Rain; The Bishop's Candlesticks, Children; Sports and Games
- **Supplementary Reader:** Part IV
- **Assessment of Speaking and Listening (ASL)**



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HINDI SYLLABUS

PRE MID TERM EXAM:

- SECTION A: Apizt gad\yaaMSa AaOr Apizt pd\yaaMSa
- SECTION B: vyaakrNa¹ vaNa- ivacCod, Anausvaar, Anaunaaisak, nau@ta
- SECTION C: spSa- Baaga 1 - QaUla, duK: ka AiQakar, rOdasa ko pd, rhlma saMca yana Baaga 1 - igallaU, smaRit
- SECTION D: rcanaa%mak laoKna¹ AnaucCod laoKna, ica~ vaNa-na, p~ laoKna³AnaaOpcaairk p~', saMvaad laoKna iva&aPana laoKna

MID TERM EXAM: (In addition to previous syllabus)

- SECTION A: Apizt gad\yaaMSa AaOr Apizt pd\yaaMSa
- SECTION B: vyaakrNa¹]psaga-, p`%yaya, saMiQa ivarama ica\hna
- SECTION C: spSa- Baaga 1 evarosTÁ maorl iSaKr yaa~a, tuma kba jaaAaogao, Aadmal naamaa saMca yana Baaga 1 - kllaU kumhar kl]naakaoiT
- SECTION D: rcanaa%mak laoKna¹ P`aaqa-naa p~ ³AnaaOpcaairk p~' ica~ vaNa-na, AnaucCod laoKna, saMvaad laoKna iva&apna

POST MID TERM EXAM: (In addition to previous syllabus)

- SECTION A: Apizt gad\yaaMSa AaOr Apizt pd\yaaMSa
- SECTION B: vyaakrNa¹ vaNa- ivacCod, Anausvaar, Anaunaaisak, nau@ta,]psaga-, p`%yaya, saMiQa, ivarama ica\hna
- SECTION C: spSa- Baaga 1¹ galt¹ Agalt, vaO&ainak caotnaa ko vaahk, klcaD, ka kavya, ek fUla kl caah
saMca yana Baaga 1- maora CaoTa saa inajal pustkalaya, haimad KaMMMMMMMM
- SECTION D: rcanaa%mak laoKna¹ p~ ³AnaaOpcaairk p~' AnaucCod laoKna, ica~ vaNa-na, saMvaad laoKna iva&apna laoKna.

FINAL EXAM: (In addition to previous syllabus)

- SECTION A: Apizt gad\yaaMSa AaOr Apizt pd\yaaMSa
- SECTION B: vyaakrNa¹ vaNa- ivacCod, Anausvaar, Anaunaaisak, nau@ta,]psaga- p`%yaya, saMiQa, ivarama ica\hna
- SECTION C: spSa- Baaga 1¹ Qama- kl Aad, SauËtaro ko samaana, rOdasa ko pd, Aignapqa, nae [laako maom-KuSabaU rcato hOM haqa saMca yana Baaga 1-idyao jala]z



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- **SECTION D:** रचनात्मक लक्षणात्मक, आनुवंशिक लक्षण, आनुवंशिक लक्षण वाना-ना, सामवादात्मक लक्षण वानात्मक लक्षण.

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MATHS SYLLABUS

PRE MID TERM EXAM:

- **UNITS:** Number System, Polynomials, Coordinate Geometry, Introduction to Euclid's Geometry
- **LAB WORK:**
 - To carry out the following paper folding activities: the mid point of a line segment, the perpendicular bisector of a line segment, the bisector of an angle, the perpendicular to a line from a point given outside it, the perpendicular to a line at a point given on the line, the median of a triangle.
 - To carry out the following activities using a geo-board: Find the area of any triangle, find the area of any polygon by completing the rectangles, obtain a square on a given line segment, given an area, obtain different polygons of the same area.
 - To verify the identities $a^3 - b^3 = (a - b)(a^2 + ab + b^2)$, $a^3 + b^3 = (a + b)(a^2 - ab + b^2)$, $(a + b)^3 = a^3 + b^3 + 3ab(a + b)$, $(a - b)^3 = a^3 - b^3 - 3ab(a - b)$ for simple cases using a set of unit cubes.
 - To interpret geometrically the factors of a quadratic expression of the type $x^2 + bx + c$, using square grids, strips and paper slips.
 - To obtain mirror images of figures with respect to a given line on a graph paper.

MID TERM EXAM: (In addition to previous syllabus)

- **UNITS :** Lines and Angles, Triangles, Heron's Formula
- **LAB WORK:**
 - To show that the area of a triangle is half the product of its base and height.
 - To verify the mid point theorem for a triangle.
 - To divide a given strip of paper into a specified number of equal parts.
 - To illustrate that the perpendicular bisectors of the sides of a triangle concur at a point and that it falls inside for an acute-angled triangle, on the hypotenuse of a right-angled triangle, outside for an obtuse-angled triangle.



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 - To illustrate that the internal bisectors of angles of a triangle concur at a point which always lies inside the triangle.
 - To illustrate that the altitudes of a triangle concur at a point and that it falls inside for an acute angled triangle, at the right angle vertex for a right angled triangle, outside for an obtuse angled triangle.
 - To illustrate that the medians of a triangle concur at a point which always lies inside the triangle.

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POST MID TERM EXAM: (In addition to previous syllabus)

- **UNITS:** Linear equations in Two Variables, Quadrilaterals, Area of Parallelograms and Triangles
- **LAB WORK:**
 - To obtain a parallelogram by paper–folding.
 - To show that the area of a parallelogram is product of its base and height, using paper cutting and pasting.
 - To show that the area of a rhombus is half the product of its diagonals using paper cutting and pasting.
 - To explore the similarities and differences in the properties with respect to diagonals of the following quadrilaterals – a parallelogram, a square, a rectangle and a rhombus.
 - To explore the similarities and differences in the properties with respect to diagonals of the following quadrilaterals – a parallelogram, a square, a rectangle and a rhombus.

FINAL EXAM: (In addition to previous syllabus)

- **UNITS:** Circles, Constructions, Surface Area and Volume, Statistics, Probability
- **LAB WORK:**
 - To give a suggestive demonstration of the formula that the area of a circle is half the product of its circumference and radius. (Using formula for the area of triangle)
 - To give a suggestive demonstration of the formula that the area of a circle is half the product of its circumference and radius. (Using formula for the area of rectangle)
 - To make nets for a right triangular prism and a right triangular pyramid (regular tetrahedron) and obtain the formula for the total surface area.
 - To verify Euler’s formula for different polyhedra: prism, pyramids and octahedron.



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SCIENCE SYLLABUS

PRE MID TERM EXAM:

- **UNITS:** Matter in Our Surroundings, Improvement in Food Resources, Motion, Is Matter Around Us Pure?
- **PRACTICALS:**
 - To test (a) the presence of starch in the given food sample (b) the presence of the adulterant metanil yellow in dal.
 - To prepare
 - a true solution of common salt, sugar and alum
 - a suspension of soil, chalk powder and fine sand in water
 - a colloidal of starch in water and egg albumin in water and distinguish between these on the basis of transparency, filtration criterion and stability.
 - To prepare a) a mixture b) a compound using iron filings and sulphur powder and distinguish between these on the basis of:
 - appearance i.e., homogeneity and heterogeneity
 - behaviour towards a magnet
 - behaviour towards carbon disulphide as a solvent.
 - effect of heat.
 - To carry out the following reactions and classify them as physical or chemical changes.
 - Iron with copper sulphate solution in water.
 - Burning of magnesium in air.
 - Zinc with dilute sulphuric acid
 - Heating of copper sulphate
 - Sodium sulphate with barium chloride in the form of their solutions in water.
 - To separate the components of a mixture of sand, common salt and ammonium chloride (or camphor) by sublimation.
 - To determine the melting point of ice and the boiling point of water.

MID TERM EXAM: (In addition to previous syllabus)



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- **UNITS:** The Fundamental Unit of Life, Force and Laws of Motion, Tissues, Gravitation
- **PRACTICALS:**
 - To establish relationship between weights of a rectangular wooden block lying on a horizontal table and the minimum force required to just move it using a spring balance.
 - To determine the mass percentage of water imbibed by raisins.
 - To prepare stained temporary mounts of (a) onion peel and (b) human cheek cells and to record observations and draw their labelled diagrams.
 - To identify parenchyma and sclerenchyma tissues in plants, striped muscle fibres and nerve cells in animals, from prepared slides and to draw their labelled diagrams.

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POST MID TERM EXAM: (In addition to previous syllabus)

- **UNITS:** Floatation; Natural Resources, Atoms and Molecules, Structure of the Atom, Why do we fall Ill?
- **PRACTICALS:**
 - To verify the law of conservation of mass in a chemical reaction.
 - To observe and compare the pressure exerted by a solid iron cuboid on fine sand while resting on its three different faces and to calculate the pressure exerted in the three different cases.
 - To determine the density of solid by using spring balance and measuring cylinder.
 - To establish the relation between the loss in weight of a solid when fully immersed in
 - tap water
 - saturated salty water.
 - To study the life cycle of mosquito.

FINAL TERM EXAM: (In addition to previous syllabus)

- **UNITS:** Diversity in Living Organism, Work and Energy, Sound
- **PRACTICALS**
 - To verify laws of reflection of sound.
 - To determine the velocity of a pulse propagated through a stretched string/string.
 - To study the characteristic of Spirogyra/Agaricus, Moss, fern, Pinus (either with male or female cone) and an angiospermic plant. Draw and give two identifying features of groups they belong to.
 - To observe and draw the given specimens – earthworm, cockroach, bony fish and bird for each specimen, record:
 - (a) one specific feature of its phylum
 - (b) one adaptive feature with reference to its habitat
 - To study the external features of root, stem, leaf and flower of monocot and dicot plants.



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SOCIAL SCIENCES SYLLABUS

PRE MID TERM EXAM:

- **HISTORY:** French Revolution
- **GEOGRAPHY:** India: Size and Location, Physical Features Of India
- **CIVICS:** What Is Democracy? Why Democracy?
- **ECONOMICS:** The Story of Village Palampur
- (Project + Map)

MID TERM EXAM: (In addition to previous syllabus)

- **HISTORY:** Socialism in Europe and the Russian Revolution
- **GEOGRAPHY:** Drainage
- **CIVICS:** Constitutional Design, Electoral Politics
- **ECONOMICS:** People As Resource
- (Project + Parliament)

POST MID TERM EXAM: (In addition to previous syllabus)

- **HISTORY:** Nazism and the Rise of Hitler
- **GEOGRAPHY:** Climate
- **CIVICS:** The Working of Institutions
- **ECONOMICS:** Poverty As A Challenge
- (Project – MUN)

FINAL TERM EXAM: (In addition to previous syllabus)

- **HISTORY:** Forest Society and Colonialism OR Pastoralists in the Modern World OR Peasants and Farmers (Any 1 of 3 Units)
- **GEOGRAPHY:** Natural Vegetation And Wild Life, Population
- **CIVICS:** Democratic Right
- **ECONOMICS:** Food Security in India



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- (Project + Map)

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COMPUTER SCIENCE SYLLABUS

MID TERM EXAM:

- Introduction to Programming Concepts
- Introduction to Visual Basic 6.0 (Revision)
- Visual Basic Controls
- Operators and Functions
- Condition Program and Repeated
- Programs: Red Light with Timer; Display of Multiplication Table; Finding Area and Perimeter; Display of Report Card; Leap Year; Simple Interest

FINAL EXAM:

- Html
- Tags and Attributes in Html
- Tables in Html
- List in Html
- Projects



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