



# DY PATIL INTERNATIONAL SCHOOL, BOKARO

Vidya Vihar Complex, Talgaria Road, Alkusa-827013  
(Affiliated to C.B.S.E, New Delhi, up to +2 level, Affiliation no. 3430753)

## TERM & MONTH WISE SPLIT-UP SYLLABI

SESSION: 2026-27

GRADE: 10

**Subject: English**

**Prescribed Books: - First Flight & Footprints Without Feet  
English Grammar & Worksheet**

Months	W/D	Literature (First Flight)	Supp. Reader (Footprints without Feet)	GRAMMAR & WRITING
<b>TERM-1</b>				
Apr.	23	Ch.1- A Letter to God Dust of Snow (Poem) Fire and Ice (Poem)	Ch.1- A Triumph of Surgery	Tense Formal letter
May	12	Ch.2- Nelson Mandela: Long walk to Freedom A Tiger in the zoo(Poem)	Ch.2- The Thief's Story	Tense (Cont..)
June	12	Ch.3- Two Stories about Flying 1. His First Flight 2. The Black Aeroplane	.... Continued	Modals
Jul.	26	How to Tell Wild Animals The Ball Poem (Poem) Ch.4- From the Diary of Anne Frank Amanda (Poem)	Ch.3- The Midnight Visitor Ch.4- A Question of Trust	Reported Speech Globalisation Short Story
Aug.	24	Ch.5- Glimpses of India 1. A Baker from Goa. Ch.5- Glimpses of India 2. Coorg. 3. Tea from Assam.	Ch.5- Footprints without Feet Ch.6 – The Making of a Sciences	Subject Verb Concord Analytical paragraph
Sep.	22	Revision		
<b>Term-2</b>				
Oct.	22	The Trees (Poem) Ch.6- Mijbil the Otter Fog (Poem)	Ch.7- The Necklace	Determiners
Nov.	15	Ch.7- Madam Rides the Bus The Tale of Custard the Dragon Ch.8- The Sermon at Benaras For Anne Gregory Ch.9- The Proposal	Ch.8 – Bholi Ch.9- The Book that saved the Earth.	Determiners (Cont.)
Dec.	19	Revision and pre- board exam-I		
Jan.	21	Revision and pre- board exam-II		
Feb.	8	Revision and board exam		

**Subject - Hindi****Prescribed Book-- 1- क्षितिज भाग-2****2- कृतिका भाग - 2****3 - व्याकरण**

महीना / दिन	क्षितिज - 2 कृतिका - 2	व्याकरण	रचनात्मक लेखन	
अप्रैल / . 23	क्षितिज - (गद्य खंड ) 1 - नेता जी का चश्मा (पद्य खंड ) 1 - सूरदास के पद	1 - अपठित गद्यांश व अपठित पद्यांश 2 -पद परिचय	पत्र -लेखन'	परियोजना कार्य
मई / 12	क्षितिज (गद्य खंड ) बालगोबिन भगत कृतिका - माता का अंचल	पद - परिचय	अनुच्छेद .लेखन	
जून / 12	क्षितिज ( पद्य खंड ) राम लक्ष्मण परशुराम संवाद	रचना के आधार पर वाक्य भेद	ई मेल लेखन	
जुलाई / 26	क्षितिज ( गद्य खंड ) लखनवी अंदाज (काव्य खंड - अट नहीं रही कृतिका - साना साना हाथ जोड़ि	अलंकार - 1 ) श्लेष 2) उत्प्रेक्षा	संदेशलेखन	परियोजना कार्य
अगस्त / 24	क्षितिज (गद्य खंड ) पुनरावृत्ति कार्य (काव्य खंड ) - यह दंतुरित मुस्कान कृतिका - साना साना हाथ जोड़ि	वाच्य	ई . मेल लेखन  विज्ञापन लेखन	
सितंबर / 22	क्षितिज -गद्य और पद्य खंड की पुनरावृत्ति	पुनरावृत्ति	Revision of term 1 syllabus	
अक्टूबर / 22	क्षितिज ( गद्य खंड )	स्ववृत्त लेखन	पत्र - औपचारिक	

	एक कहानी यह भी (काव्य खंड) - फसल कृतिका - मैं क्यों लिखता हूँ		अनौपचारिक	
नवंबर : / 15	क्षितिज ( गद्य खंड ) नौबत खाने में इबादत', संस्कृति (काव्य खंड) संगतकार कृतिका - मैं क्यों लिखता हूँ	वाच्य परिवर्तन अलंकार - पुनरावृत्ति	पत्र अनुच्छेद ई -मेल लेखन	
दिसंबर / 19	पुनरावृत्ति	पुनरावृत्ति		
जनवरी : / 21	पुनरावृत्ति	पुनरावृत्ति		
फरवरी / 8	द्वितीय संकलनात्मक मूल्यांकन/ Board Exam	पुनरावृत्ति	बोर्ड परीक्षा	
मार्च	Board Exam			

**Subject: Sanskrit**

**Book Recommended: मणिका (द्वितीयभागः)**

**Publisher: केंद्रीय माध्यमिक शिक्षा बोर्ड**

Month –	Number Of Working Days –	पाठ्यपुस्तक	व्याकरण
Apr.	23	पाठ 1: वाङ्मनः प्राणः पाठ 2: नास्ति त्यागसमं सुखम्	स्वर सन्धि (वृद्धि, यण, अयादि, पूर्वरूप), पत्रलेखनम्, संवाद लेखनम्
May	12	पाठ 3: रमणीया हि सृष्टिः	वाक्य संशोधनम्, अपठित गद्यांशः, चित्रवर्णनम्
June	12	पाठ 4: आज्ञा गुरुणां हि अविचारणीया	<b>समासः</b> तत्पुरुष (विभक्ति, नञ्, उपपद), द्वन्द्व, अव्ययीभाव (अनु, उप, सह, निर, प्रति, यथा)
Jul.	26	पाठ 5: अभ्यासवशमं मनः	<b>व्यञ्जन सन्धिः</b> परसवर्ण, तुगागम, प्रथम वर्ण का तृतीय में

			परिवर्तन; विसर्ग सन्धि: उत्त्व, रत्व, विसर्ग लोप, श/ष/स; समय लेखनम्
Aug.	24	पाठ 6: राष्ट्रं संरक्ष्यमेव हि	कथापूर्ति, संवाद, वाच्य परिवर्तनम् (केवल लट् लकारः कर्तृवाच्य-कर्मवाच्य) <b>अव्ययपदानि-</b> इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, तु, सहसा, वृथा, शनैः, इति, मा, यत, अद्य, सम्प्रति, इदानीम्, अधुना, यावत्, बहिः, कदापि, च, अपि, पुरा, अत्र-तत्र, यथा-तथा, कदा, अद्य, श्वः, परश्वः, ह्यः, प्रह्यः, किमर्थम्, कुत्र, यदि-तर्हि, अतः। <b>प्रत्यय- कृत् प्रत्ययौ-</b> त्व्यत्, अनीयर् <b>तद्धिताः-</b> मतुप्, ठक्, त्व, तल् <b>स्त्रीप्रत्ययौ-</b> टाप्, डीप्
Sep.	22	पाठ-8 "तिरुक्कुरल-सूक्ति-सौरभम्" अभ्यास कार्यम् और अर्द्धवार्षिक परीक्षा हेतु पुनरावृत्ति।	
Oct.	22	पाठ-9 सुस्वागतं भो! अरुणाचलेऽस्मिन् पाठ-10 कालोऽहम् पाठ-11 किं किं उपादेयम्	<b>पुनरावृत्ति:</b> सम्पूर्ण पाठ्यपुस्तक एवं व्याकरण।
Nov.	15		
Dec.	19	<b>पुनरावृत्ति कार्यम् (Revision Work)।</b>	

### Sub: -Mathematics

Prescribed book: Mathematics, Textbook for class X, NCERT

Reference book:

1. Mathematics for class 10, R.S. Aggarwal, Bharti Bhawan
2. Mathematics for class 10, with MCQ, R.D. Sharma, Dhanpat Rai & Co. Pvt. Ltd

MONTHS	W/D	CHAPTER/CONTENTS	ACTIVITY/PROJECT
<b>TERM I</b>			
Apr.	23	<b>(2) Polynomials</b> Definition, zeroes of polynomials, relation between zeros and co-efficient of quadratic equation.	

		<b>(8) Introduction to trigonometry</b> T- ratio, T-ratio of some specific angles, geometrical proof of T-ratio $30^{\circ}$ , $45^{\circ}$ , $60^{\circ}$	
May	12	<b>(3) Pair of linear equations in two variables</b> Introduction, graphical solution Geometrical representation of different possibilities of solution inconsistency, substitution and elimination method to find solutions of equations	Verify the conditions of consistency /inconsistency for pairs of linear equations in two variables by graphical method.
June	1 2	<b>(3) Pair of linear equation in two variables (contd.)</b> Simple word problems and real life situational problems.	Activity based on distance formula by graphical method.
Jul.	26	<b>(7) Co-ordinate geometry</b> Introduction, lines(in two dimentions), distance formula, section formula, practical cases and applications <b>(1) Real number</b> Fundamental theorem of arithmetic, proof of result- irrationality of $\sqrt{2}$ , $\sqrt{3}$ , $\sqrt{5}$ , terminating/non-terminating decimals, HCF, LCM and their relation with two numbers. <b>(9) Height and distances</b> Simple problem on height and distance, angle of elevation/depression of angle $30^{\circ}$ , $45^{\circ}$ , $60^{\circ}$ . <b>(6) Triangles</b> Introduction, similar figure, similarity of triangles, Thales theorem, similar figure of criterion. Criteria for similarity of triangles.	
Aug.	24	<b>(4) Quadratic Equations:</b> Introduction standard form of quadratic equation, solution by factorization and by quadratic formula (Sridharacharya's method), relation between discriminant and nature of roots, situational problems based on quadratic equation. <b>(5) Arithmetic progression</b> Introduction, derivation of $n^{\text{th}}$ term and sum of first n-term and application in solving real practical/situational application.	Find the path followed by simple quadratic equations using graph paper by taking simple quadratic equations.  Find the sum of first n natural number based on AP.
Sep.	22	<b>Revisions and half yearly exam.</b>	
<b>TERM II</b>			
Oct.	22	<b>(10) Circles</b> Introduction, tangent to a circle, no. of tangents from a point on circle, Theorem related that are motivated by chords. <b>(11) Area related to circles</b>	

		Sectors, segment, problems on area and perimeter(circumference) of plane figure involving triangles.	
Nov.	15	<b>(12) Surface area and volume</b> Surface area and volume of combination of cylinder. Cone, sphere and its allied structure. <b>(13) Statistics</b> Mean, median and mode of grouped data, cumulative frequency and different methods to calculate the same. <b>(14) Probability</b> Classical definition, theoretical approach, simple problems on single event	
Dec.	19	<b>Revision and pre- board exam-I</b>	
Jan.	21	<b>Revision and pre- board exam-II</b>	
Feb.	08	<b>Board exam</b>	

## SCIENCE

### Sub: - Physics

Prescribed book:

1. Science, Textbook for class X, NCERT
1. Science for tenth class, Physics, Part 1, Lakhmir Singh, Manjit Kaur, S. Chand school
2. Modern's abc Science, Physics X, Er. Sunil Batra, Modern Publishers, MBD group.

MONTHS	W/D	CHAPTER/CONTENTS	ACTIVITY/PROJECT
<b>TERM I</b>			
Apr.	23	<b>(9) Light-Reflection and refraction</b> Introduction of light, reflection and laws of reflection of light, plane mirror and spherical mirror, image formation by plane mirror and spherical mirror, centre of curvature, principal axis, principal focus, focal length, mirror formulae, sign convention for reflection by spherical mirror.	Find the focal length of concave mirrors and convex lens by obtaining the image of a distant object.
May	12	<b>(9) Light-Reflection and refraction (contd..)</b> Mirror formula and magnification, laws of refraction of light, refractive index.	
June	12	<b>(9) Light-Reflection and refraction (contd..)</b> Refraction of spherical lens, image formation by lenses, ray diagram, sign convention for spherical lenses.	
Jul.	26	<b>(9) Light-Reflection and refraction (contd..)</b> Lens formula and magnification, power of lens, refraction through glass slab.	Trace refraction of light through a glass prism.

		<b>(10) The human eye and the colourful world</b> Human eye, power of accommodation, working of human eye, persistence of vision, defect of vision and their corrections, viewing different colours, Refraction of light through prism, Dispersion, visible spectrum, causes of dispersion, formation of rainbow, e.g. of scattering of light	Study refraction of light through a glass prism.
Aug.	24	<b>(11) Electricity</b> Electric current, Electric potential and potential differences, circuit diagram, ohm's law. Resistance, factors on which it depends, resistance, series and parallel combination of resistors and its application, Heating effect of current and its application. Electric power. Relation between P, V, I & R.	Study the Ohm's law and find resistance by plotting V-I graph.
Sep.	22	<b>Revisions. and half yearly exam.</b>	
<b>TERM II</b>			
Oct.	22	<b>(12) Magnetic effect of electric current</b> Magnetic field, field lines, magnetic field due to a current carrying conductor, coil or solenoid, Force exerted by current carrying conductor placed in uniform magnetic field, Right hand thumb rule, Flemming's left- and right-hand rule, electromagnetic induction.	Determine the equivalent resistance of two resistors when connected in series.
Nov.	15	<b>(12) Magnetic effect of electric current (contd..)</b> Induced potential difference, induced current, domestic electric circuits, direct current, alternating current, frequency of AC over DC and domestic circuit.	Determine the equivalent resistance of two resistor when connected in parallel.
Dec.	19	<b>Revision and pre- board exam-I</b>	
Jan.	21	<b>Revision and pre- board exam-II</b>	
Feb.	08	<b>Board exam.</b>	

### Subject: - Chemistry

Prescribed book:

1. Science, Textbook for class X, NCERT
2. Science for tenth class, Chemistry, Part 2, Lakhmir Singh, Manjit Kaur, S. Chand school

MONTHS	W/D	CHAPTER/CONTENTS	ACTIVITY/PROJECT
<b>TERM I</b>			
Apr.	23	<b>(1) Chemical reactions and equations</b>	

		Changes around us, chemical equation, types of chemical reactions, effect of oxidation reaction in daily life	
May	12	<b>(1) Chemical reactions and equations (contd..)</b> corrosion and rancidity	Act- Find the pH value of different solutions, dil. HCl, dil. NaOH, water, lemon juice
June	12	<b>(2) Acids, Bases and Salts</b> Chemical properties of acids and bases, common in acids and bases,	
Jul.	26	<b>(2) Acids, Bases and Salts (contd..)</b> strongness of acids and bases, Importance of pH in everyday life, Chemicals from common salt: their preparation and uses.	Act- Study the properties of acids and base by reaction with Litmus solution
Aug.	24	<b>(3) Metals and non- metals</b> Physical and chemical properties of metals, properties of ionic compounds	
Sep.	22	<b>Revision and half yearly exam.</b>	
<b>TERM II</b>			
Oct.	22	<b>(3) Metals and non- metals (contd..)</b> extraction of metals, corrosion and its preventions <b>(4) Carbon and its compounds</b> Bonding in carbon, versatile nature of carbon, saturated and un- saturated carbon, Nomenclature(IUPAC) name of carbon and its compound.	
Nov.	15	<b>(4) Carbon and its compounds (contd..)</b> Chemical properties of carbon compounds, preparation and uses of ethanol and ethanoic acid, soaps and detergents	Act- Study the comparative cleaning capacity of a sample of soap in soft and hard water.
Dec.	19	<b>Revision and pre- board exam-I</b>	
Jan.	21	<b>Revision and pre- board exam-II</b>	
Feb.	08	<b>Board exam.</b>	

### Sub: - Biology

Prescribed book:

1. Science, Textbook for class X, NCERT
2. Science for tenth class, Biology, Part 2, Lakhmir Singh, Manjit Kaur, S. Chand

MONTHS	W/D	CHAPTER/CONTENTS	ACTIVITY/PROJECT
<b>TERM I</b>			
Apr.	23	<b>(5) Life Process -</b> What are life process ? Nutrition in plants , Nutrition in human being , Respiration ,	Prepare a temporary mount of a leaf peel to show stomata

		Break-down of glucose by various pathways . Respiration in plants , and human respiratory system..	
May	12	<b>(5) Life Process (contd...)</b> Transportation in animals and Transportation in plants	
June	12	<b>(5) Life Process (contd ...)</b> Introduction of excretion , Human excretory system , excretion completed.	Experimentally show that carbon dioxide is given out during respiration.
Jul.	26	<b>(6) Control and co-ordination -</b> Movements in plants , Introduction of plant hormones.  Control and co-ordination in animals: Nervous system , Voluntary , Involuntary and Reflex action ,Chemical co-ordination , Animal hormones.  Revision of control and co-ordination.	
Aug.	24	<b>(7) How do Organisms Reproduce?</b> Reproduction in animals and plants (asexual and sexual modes) Reproductive health - need and methods of family planning .  Safe sex vs HIV/AIDS , Child bearing and women's health .Reproduction chapter completed.	Make a model / chart to show different endocrine glands in human being.
Sep.	22	<b>Revisions and half yearly exam.</b>	
<b>TERM II</b>			
Oct.	22	<b>(8) Heredity and Evolution-</b> Heredity , Mendel's contribution , Law of inheritance of traits , Sex determination in human.	Studying (a) Binary fission in Amoeba and (b) Budding in yeast with the help of prepared slides.
Nov.	15	<b>(13) Our Environment -</b> Ecosystem , Environmental problems, Ozone depletion, Waste production and their solutions .Biodegradable and non-biodegradable substances . Our environment chapter completed.	Make a chart to show sex - determination in humans.  Identify the different parts of an embryo of a dicot seed (Pea , Gram or Red kidney bean)
Dec.	19	<b>Revision and pre-board exam</b>	

Jan.	21	<b>Revision and pre-board exam</b>
Feb.	08	<b>Revision and pre-board exam</b>

### Subject – Social Science(History)

Book Recommended: India and the Contemporary World – II, Textbook in History for Class X

Publisher: NCERT

Month –	Number Of Working Days –	Chapter –	Activities And Projects –
Apr.	23	The Rise of Nationalism in Europe	Collect information and pictures on any one event of the French Revolution and frame a newspaper article.
May	12	Nationalism in India	
June	12	Nationalism in India (Cont.)	
Jul.	26	Nationalism in India (Cont.) The Making of a Global World	Make a short report about the Uprising of 24 Oct. 1917.
Aug.	24	The Making of a Global World (Cont.) The Age of Industrialization	
Sep.	22	<b>Revision and Half Yearly Examination</b>	
Oct.	22	Print Culture and the Modern world	Find out about the conditions of: A schoolchild in Nazi Germany A Jewish survivor of a Concentration Camp A political opponent of the Nazi Regime
Nov.	15	Print Culture and the Modern world	
Dec.	19	Revision and Pre-Board Examination	
Jan.	21	Revision	
Feb.	08	Revision and Pre-Board Examination	

**Subject – Social Science(Geography)**

Books Recommended: Contemporary India – II, Textbook in Geography for Class X

Publisher: NCERT

Month –	Number Of Working Days –	Chapter –	Activities And Projects –
Apr.	23	Resources and Development	Find out the longitudinal and latitudinal extent of your state.
May	12	Resources and Development (Cont.)	Collect information about the 'Silk Route'.
June	12	Forest and Wildlife Resources	
Jul.	26	Forest and Wildlife Resources (Cont.) Water resources	
Aug.	24	Agriculture Minerals and energy Resources	On an outline map of India mark and label the route of the following rivers: Ganga, Satluj, Damodar, Krishna, Narmada, Tapi, Mahanadi, and Brahmaputra.
Sep.	22	Revision and Half Yearly Examination	
Oct.	22	Manufacturing Industries	On an outline map of India mark and label the following lakes: Chilika, Sambhar, Wular, Pulicat, Kolleru.
Nov.	15	Lifelines of National Economy	
Dec.	19	Revision and Pre-Board Examination	
Jan.	21	Revision	
Feb.	08	Revision and Pre-Board Examination	

**Subject – Social Science(Civics)**

Books Recommended: Democratic Politics – II, Textbook in Political Science for Class X

Publisher: NCERT

Month –	Number Of Working Days –	Chapter –	Activities And Projects –
Apr.	23	Power-sharing	Find out about the countries which still does not have Democratic government.
May	12	Federalism	
June	12	Federalism(Cont.)	

Jul.	26	Gender, Religion and Caste	Design the Preamble of Our Constitution.
Aug.	24	Political Parties	
Sep.	22	Revision and Half Yearly Examination	
Oct.	22	Outcomes of Democracy	Find out about the election procedure and carry out an election for the leader of your class.
Nov.	15	Outcomes of Democracy	Conduct a parliamentary debate process in your class.
Dec.	19	Revision and Pre-Board Examination	
Jan.	21	Revision	
Feb.	08	<b>Revision and Pre-Board Examination</b>	

### Subject – Social Science(Economics)

Books Recommended: Understanding Economic Development, Textbook for Class X

Publisher: NCERT

Month –	Number Of Working Days –	Chapter –	Activities And Projects –
Apr.	23	Development	Find out about Green Revolution and make a report on it.
May	12	Development (Cont.)	
June	12	Sectors of the Indian Economy	Talk to any person involved in Tertiary Activity and find out about the type of job they do. Form it in the way of an interview.
Jul.	26	Sectors of the Indian Economy(Cont.) Money and Credit	
Aug.	24	Globalization and the Indian Economy	
Sep.	22	Revision and Half Yearly Examination	
Oct.	22	Consumer Rights	Find out about MGNREGA 2005, Pradhan Mantri Gramodaya Yojana 2000, the Rural employment generation program launched in 1995, and the Prime Minister Rozgar Yojna of 1993.
Nov.	15	Consumer Rights	

Dec.	19	Revision and Pre-Board Examination	
Jan.	21	Revision	
Feb.	08	Revision and Pre-Board Examination	

**Subject: Information Technology**

**Book Recommended: Information Technology – 402**

**Publisher: Dhanpat Rai**

Month –	Working Days –	Chapter –	Activities And Projects –
<b>TERM I</b>			
Apr.	23	Python	Make a list of type of communications around you and identify the senders, receivers and messages in each.
May	12	Communication skills Self-Management	Strength and weakness analysis Role play exercises on building self-confidence.
June	12	Basic ICT skills  Basic of Python program	Identify components of a computer and classify them into types on the basis of operation  To open, save, run and fundamentals of python program.
Jul.	26	Basic of Python program(Cont...)	To develop different types of software using conditional operator
Aug.	24	Basic of Python program(Cont...)  Green skills	To prepare project on types of programming language.  Group discussions on hazards of deteriorating environment and benefits of green skills
Sep.	22	<b>Revision And Half Yearly Examination</b>	
<b>TERM II</b>			
Oct.	22	Digital documentation (advanced)	Create document using word processing software
Nov.	15	Electronic Spreadsheet(advanced)	Create a complete excel file of 20 students and to apply all the functions on it.

Dec.	19	Database Management system	Create a project of SQL of a table Employee and to input 10 data according to it.
Jan.	21	Managing health and safety	To prepare all types of project given in the syllabus for board examination
Feb.	08	<b>Revision and Final Examination</b>	