

**ST. JOHN'S SCHOOL
GREATER NOIDA WEST
SESSION: 2026-27
CLASS: XI A & B**

SUBJECT: ENGLISH CORE (301)

NAME OF THE TEXTBOOKS: 1. Hornbill

2. Snapshots

MONTH	CHAPTERS	ACTIVITIES
APRIL	<p>HORNBILL</p> <p>1. The Portrait of a Lady Poem 1. A Photograph</p>	<p>The Portrait of a Lady: 1. Warm up activity</p> <p>i) What do the grandparents expect from the family? What are the reasons for their loneliness?</p> <p>ii) Present a pen picture of your grandparents describing their qualities you admire and appreciate the most?</p> <p>2. Brief up about the author and his work</p> <p>A Photograph:</p> <p>i) Pre-activities: * Read out a poem on a similar theme/ discuss an incident/ describe an old mounted photograph. *Recapitulation of Figures of Speech with examples. *Power Point Presentation based on the poem. ii) Summary of each stanza will be presented by a certain group of students and the other group will do the explanation part.</p>
MAY	<p><u>READING SKILLS</u></p> <p>Case Based Passages</p> <p><u>HORNBILL</u></p> <p>2. We're Not Afraid to Die...</p> <p><u>SNAPSHOT</u></p> <p>1. The Summer of the Beautiful White horse</p> <p><u>WRITING SKILLS</u></p> <p>Poster Making Notice Writing</p> <p><u>INTEGRATED GRAMMAR</u></p>	<p>Summer of the beautiful white horse: Pre-activity: (a)Rearrange the sentences to complete the story based on a similar theme. (b)Describe qualities of a horse.</p> <p>Post-activity: (a)Character Sketch of the different characters in the chapter. (b)Analyse the important incidents. (c)Textual questions will be discussed.</p> <p>We're not afraid to die:</p> <p>1. Warm up activity- i) Why do you think people undertake adventurous expeditions in spite of the risks involved? ii) Share any adventure experience (you had) which reflected your presence of mind and practical Knowledge.</p>
JULY	<p><u>READING SKILLS</u></p> <p>Note Making</p>	<p>The Address: i) Pre-activity: *Sharing experience about the significance of articles/memories/people.</p>

	<p><u>HORNBILL</u> Poem 2. The Laburnum Top 3. Discovering Tut: The Saga Continues</p> <p><u>SNAPSHOT</u> Chapter 2. The Address</p> <p><u>INTEGRATED GRAMMAR</u> <u>WRITING</u> Speech Writing</p>	<p>ii) Introduction of characters iii) Theme and message iv) Exercises given in the book will be discussed and written in the note book.</p> <p>Discovering TUT: Discussion on the movie “The Mummy”.</p> <p>Power point presentation on King Tut and Egypt will be shown and the chapter will be explained through slides, giving explanation and asking questions.</p> <p>Poem: Discussion about the Role of Nature and its healing Power in our lives.</p> <p>Power point Presentation based on the Poem</p> <p>Discussion about the Devices and Strong use of Visual Imagery in the poem</p> <p>Textual questions will be discussed.</p>
AUGUST	<p><u>HORNBILL</u> Poem 3. The Voice of the Rain</p> <p><u>SNAPSHOT</u> Mother’s Day</p> <p><u>WRITING</u> Classified Advertisement</p> <p><u>INTEGRATED GRAMMAR</u></p>	<p>Voice of the Rain: Activities 1. Warm up Questions i) What is water cycle ? How is the cycle getting disturbed? ii) What is the similarity between rain and music?</p> <p>2. Reading followed by explanation and discussion 3. PPT will be shown.</p> <p>Mother’s Day</p> <p>Warm up Questions i) Is drama a good medium for conveying a social message? Discuss ii) Mother works from morning till night catering to the needs of everyone. Do we ever realise that she too is a human being and needs rest? Share your views about the role of mother in your life.</p> <p>iii) Loud reading by the students taking on different roles (ROLE PLAY ACTIVITY) from the chapter followed by explanation and discussion by the teacher.</p>

SEPTEMBER	Revision for the Half Yearly Examination.	
OCTOBER	<u>HORNBILL</u> Poem 4. Childhood (poem) Poem 5. Father to son <u>SNAPSHOT</u> 7. The Adventure <u>WRITING</u> Speech Writing (revision)	Father to Son s Father to Son A video will be shown on generation gap and students will be asked to enter into a debate about generation gap. The teacher will keep on throwing statements related to reasons, consequences and ways to find solutions to the problem. ii) Silent reading followed by loud reading and explanation will be carried out. iii) Meaning and usage of new vocabulary will be carried out iv) Textual questions and exercises will be discussed Adventure: Movie will be shown to the students about time travel and discussion on the theme of the chapter.
	<u>INTEGRATED GRAMMAR</u> Gap Filling s Rearranging Sentences.	
NOVEMBER	<u>SNAPSHOT</u> 8. Birth Poem G. The Tale of Melon City <u>INTEGRATED GRAMMAR</u> <u>WRITING</u> Article	Debate and the Thematic Discussion on : Science Vs. Instinct in Medicine. Mock Courtroom Debate: Newspaper Report Writing.
DECEMBER	<u>HORNBILL</u> 10. Silk Road <u>WRITING</u> Debate writing INTEGRATED GRAMMAR	Map Tracing and Route Exploration. Documentary Viewing and Discussion. Debate on current issues and topics related to syllabus.
JANUARY	Revision for Annual Exam	
FEBRUARY	ANNUAL EXAMINATION	ANNUAL EXAMINATION

SUBJECT: MATHEMATICS (041)**NAME OF THE TEXTBOOKS: NCERT, GOLDEN MATHEMATICS****LAB ACTIVITIES: NCERT**

MONTH	CHAPTERS	ACTIVITIES
APRIL	Chapter-1- Sets	To represent set theoretic operations using Venn diagram
MAY	Chapter-2- Relations and Functions	To identify a relation and a function.
JULY	Chapter-3- Trigonometric Functions Chapter-4- Complex Numbers	To interpret geometrically the meaning of $i=\sqrt{-1}$ and its integral power.
AUGUST	Chapter-5- Linear Inequalities Chapter-6- Permutations and Combinations Chapter- 7- Binomial Theorem Chapter-8- Sequences and series	To obtain a quadratic function with the help of linear functions graphically. To obtain the number of combinations i.e. number of selections of r things out of n things where $n \geq r$, here $n=4$ and $r=3$. To construct a Pascal's triangle and to write binomial expansion for a given positive integral exponents.
SEPTEMBER	Revision for Half Yearly	
OCTOBER	Chapter-8- Sequences and series(continued) Chapter-9- Straight Line	To verify that the equation of line passing through the point of intersection of two lines. $a_1x+b_1y+c_1=0$ and $a_2x+b_2y+c_2=0$ is of the form $(a_1x+b_1y+c_1) +\mu(a_2x+b_2y+c_2)=0$
NOVEMBER	Chapter-9- Straight Line(continued) Chapter-10- Conic Section Chapter-11- Introduction to three-Dimensional Geometry	To construct different types of conic sections. To explain the concept of octants by three mutually perpendicular planes in space.
DECEMBER	Chapter-12- Limits and Derivatives Chapter-13- Statistics	Verification of the geometrical significance of derivatives.
JANUARY	Chapter-14- Probability	To write the sample space, when a coin is tossed once, two timers, three times, four times
FEBRUARY	Revision for Annual Examination	

ANNUAL SYLLABUS SUBJECT – CHEMISTRY CLASS XI

Name of the textbook- NCERT Chemistry Textbook

MONTH	CHAPTERS NAME	EXPERIMENTS	ACTIVITIES
April	Unit 1 - Some basic concepts of organic chemistry	Using a mechanical balance/electronic balance. Preparation of standard solution of Oxalic acid. Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid.	To prepare entry exit card to check the previous knowledge and the concepts understood after the chapter completion
May	Unit 2 - Structure of atom Unit 3 – Classifications of Elements and Periodicity in properties	Using a mechanical balance/electronic balance. Preparation of standard solution of Oxalic acid. Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid. Qualitative analysis Determination of one cation and one anion in a given salt. Cation: Pb^{2+} , Cu^{2+} As^{3+} , Al^{3+} , Fe^{3+} , Mn^{2+} , Zn^{2+} , Anions: Br^- , I^- , PO_3^{4-} , $(C_2O_4)^{2-}$, CH_3COO^- , NO_3^-	To prepare entry exit card to check the previous knowledge and the concepts understood after the chapter completion Activity to go on an element's scavenger hunt, i.e to search real life examples of the various elements

October	Unit 6 - Equilibrium	Basic Laboratory Techniques Cutting glass tube and glass rod Bending a glass tube Drawing out a glass jet Boring a cork	Bonding experience - kinesthetic game to help students experience chemical bonding and identify types of bond
November	Unit 8- General organic chemistry	Experiments based on pH Determination of pH of some solutions obtained from fruit juices, solution of known and varied concentrations of acids, bases and salts using pH paper or universal indicator.	To calculate and interpret the averages of pH trials and using knowledge of pH to describe some effects of acid rain
December	Unit 9 - Hydrocarbons	Qualitative analysis Determination of one cation and one anion in a given salt. Cation: Pb ²⁺ , Cu ²⁺ As ³⁺ , Al ³⁺ , Fe ³⁺ , Mn ²⁺ , Zn ²⁺ , Anions: Br ⁻ , I ⁻ , PO ₃ ⁻⁴ , (C ₂ O ₄) ²⁻ , CH ₃ COO ⁻ , NO ₃ ⁻	Functional group models using play dough (different colors) , tooth picks
January	ANNUAL REVISION FOR ALL THE CHAPTERS		
February	REVISION + ANNUAL EXAMINATION		

Prepared by: Ms. Taruna Rohilla

SUBJECT: LEGAL STUDIES SUBJECT CODE: (074)

NAME OF THE TEXTBOOK: LEGAL STUDIES -XI (NCERT)

MONTH	UNIT/CHAPTER NO.	CHAPTER NAME	ACTIVITY
APRIL	Unit 4: Judiciary: Constitutional, Civil and Criminal Courts and Processes	Judiciary: Constitutional, Civil and Criminal Courts and Processes	Mock Trial Students act as judge, lawyers, plaintiff, and defendant → simulate civil or criminal proceedings.
MAY	Unit 2: Basic features of the Constitution of India	Salient Features of the Constitution of India	Scenario Discussion Give Situations (e.g., law affecting religious freedom, state vs center dispute) → students identify which constitutional feature is relevant.
JULY	PERIODIC ASSESSMENT 1 Unit 5 : Family Justice System	1. Family Justice System	Role Play / Mock Family Court Students act as judge, lawyers, and parties → simulate a divorce or child custody case.
AUGUST	Unit 1: Introduction to Political Institutions	1. Concept of State 2. Forms and Organs of Government 3. Separation of Powers	Quiz / Rapid-Fire Questions on structure, powers, and functions of political institutions.
SEPTEMBER	Half Yearly Examination Unit 3: Jurisprudence, Nature and Sources of Law Chapter 1, Chapter 2	1. Jurisprudence, Nature and Sources of Law 2. Classification of Laws	Worksheets
OCTOBER	Unit 3: Jurisprudence, Nature and Sources of Law Chapter 3, Chapter 4, Chapter 5	1. Sources of Laws 2. Law Reform 3. Cyber Laws, Safety and Security in India	Case Study Analysis

NOVEMBER	Periodic Assessment II Revision	Revision	Worksheets
DECEMBER	Periodic Assessment III Revision	Revision	Worksheets
JANUARY	Revision Class Test	Revision	
FEBRUARY	Annual Examination	Annual Examination	

SUBJECT: PHYSICAL EDUCATION**SUBJECT TEACHER: MR. ANIL CHAUHAN**

MONTH	TOPICS COVERED	ACTIVITY
APRIL	Unit 1: Changing Trends in Career in Physical Education	Group discussion on career options in Physical Education
MAY	Unit 2: Olympic Value Education	Presentation on Olympic symbols C values
JULY	Unit 3: Yoga Unit 4: Physical Education C Sports for CWSN	Practical yoga session focusing on stress management C flexibility
AUGUST	Unit 5: Physical Fitness, Wellness Lifestyle	Fitness circuit challenge including endurance, flexibility, and strength exercises
SEPTEMBER	Unit 6: Test Measurement C Evaluation Revision for Term I	Conducting Khelo India fitness tests
OCTOBER	Unit 7: Fundamentals of Anatomy C Physiology	Diagram-making activity on the human body
NOVEMBER	Unit 8: Fundamentals of Kinesiology C Biomechanics	Practical demonstration of biomechanics principles
DECEMBER	Unit 9: Psychology C Sports Unit 10: Training C Doping Sports	Presentation on doping C its consequences, Final assessments and evaluations
JANUARY	Revision for Term II	Mock Test C Class Test
FEBRUARY	Revision for Term II Exam	Final assessments and evaluations

Subject: Music

Month	Theory	Practical
April	Brief of the following Nada, Shruti, Swar, Saptak, Thaata, Jati, Laya, Tala Brief study of the following : Margi-Desi, Raga	Raag Bihag Chotta Khyaal
May	Description of Teental along with Tala Notation with Thah, Dugun and Chaugun Teentala	Raag Bihag Bara Khyaal
June	SUMMER BREAK	
July	Brief History of the following Dhrupad, Khayal and Tarana , Description of Ektal along with Tala Notation with Thah, Dugun and Chaugun	Raag Bhimpalasi Chotta Khyaal
August	Life sketch and contribution of Tansen, V.N. Bhatkhande and V.D. Paluskar, Description of Chautal along with Tala Notation With Thah, Dugun and Chaugun	Raag Bhairavi Chotta Khyaal
September	HALF YEARLY EXAM.	
October	Writing in notation the compositions of Prescribed Ragas Bihag, Bhimpalasi, Bhairavi	Dhrupad
November	Natyashastra	Critical Phrases of Ragas
December	Structure of Tanpura	Devotional Song
January	Revision	
February	Revision and Annual Examination	

Subject- Physics

Name of the textbook- NCERT

MONTH	CHAPTERS NAME	EXPERIMENTS / ACTIVITIES
APRIL	1. Units and Measurements 2. Motion in a Straight Line	1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume. Activity-1: To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm. Activity-2: To plot a graph for a given set of data, with proper choice of scales and error bars.
MAY	3. Motion in a Plane 4. Laws of Motion	2. To measure diameter of a given wire and thickness of a given sheet using screw gauge. 3. To determine radius of curvature of a given spherical surface by a spherometer. Activity-3: To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.
JULY	5. Work, Energy and Power 6. System of Particles and Rotational Motion	4. To find the weight of a given body using parallelogram law of vectors. OR To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.
AUGUST	System of Particles and Rotational Motion (Conti.) 7. Gravitation	5. To find the force constant of a helical spring by plotting a graph between load and extension.

SEPTEMBER	Revision for Half Yearly Examination HALF-YEARLY EXAMINATION 8. Mechanical Properties of Solids	
OCTOBER	Mechanical Properties of Solids (Conti.) 9. Mechanical Properties of Fluids	6. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.
NOVEMBER	10. Thermal Properties of Matter 11. Thermodynamics	7. To study the relationship between the temperature of a hot body and time by plotting a cooling curve. Activity-4: To study the factors affecting the rate of loss of heat of a liquid. Activity-5: To observe change of state and plot a cooling curve for molten wax.
DECEMBER	12. Kinetic Theory 13. Oscillations	8. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions. Activity-6: To note the change in level of liquid in a container on heating and interpret the observations.
JANUARY	14. Waves	
FEBRUARY- MARCH	REVISION+ANNUAL EXAMINATION	

SUBJECT: COMPUTER SCIENCE**BOOK NAME: COMPUTER SCIENCE WITH PYTHON (SULTAN CHAND PUBLICATION)**

MONTH	CHAPTERS COVERED	LAB ACTIVITY
APRIL	Ch-1 Computer and its Organisation	1. Working on interactive mode. 2. Performing basic calculations on interactive mode.
MAY	Ch-2 Data Representation and Boolean Logic	<ul style="list-style-type: none">. Write a program to accepts two integers and print their sum.. Write a program that accepts radius of a circle and prints its area.. Write a program that accepts base and height and calculate the area of triangle.. Write a program that inputs a student's marks in three subjects (out of 100) and prints the percentage marks.. Write a program to compute area of square and triangle.. Write a program to calculate simple interest.. Write a program that reads the number n and print the value of n^2, n^3 and n^4. Practical File Work
JULY	Ch-3 Getting started with Python Ch-4 Python programming fundamentals	<ul style="list-style-type: none">. Write a program that accepts the age and print if one is eligible to vote or not.. Write a program that accepts two numbers and check if the first number is fully divisible by second number or not.. Write a program to accept the year and check if it is a leap year or not.. Write a program to input a number and print its square if it is odd, otherwise print its cube. Write a program to input a number and check whether it is positive, negative or zero.

AUGUST	<p>Ch-5 Conditional and Looping Constructs</p> <p>Ch-6 Strings in Python</p>	<ul style="list-style-type: none"> . Write a program to find largest among three integers. . Write a program to create a triangle of stars using nested loop. . Write a program to input percentage marks of a student and find the grade as per following criterion: Marks Grade >=90 A 75 -90 B 60 -75 C Below 60 D Write a program to enter a number and check if it is a prime number or not. . Write a program to print whether a given character is an uppercase or a lowercase character or a digit or any other character. Write a program to calculate the factorial of a number. Write a Python script to print Fibonacci series' first 20 elements. Write a program that reads a string and checks whether it is a palindrome string or not.
SEPTEMBER	HALF YEARLY EXAM	Practical Exam
OCTOBER	Ch-7 Lists in Python	<ul style="list-style-type: none"> . Write a program to accept a list of numbers and find the sum of all the numbers in the list. . WAP to search for an element in a given list of numbers. . WAP to find the minimum element from a list of elements along with its index in the list. . Write a program to count vowels in a tuple. . Implementation of List built-in functions. . Implementation of Tuples built-in functions.

NOVEMBER	Ch-8Tuples and Dictionary Ch-9 Introduction to Python Modules	<ul style="list-style-type: none"> . Create a dictionary to store student information, including name, age, and grade. Write a function to add a new student and another function to retrieve a student's information by name. . Create a dictionary to store book information, including title, author, and price. Write a function to find the average price of books by a specific author. . Create a Python dictionary that stores the names of cities as keys and their respective populations as values. Write a program that includes functions to find the city with the highest population. . Write a program to generate random numbers. . Write a program to generate random numbers between 1 and 6. . Implementation of maths, random and statistics modules.
DECEMBER	Ch-10 Society, Law and Ethics Ch-11 Cyber Safety	Project File work
JANUARY	Revision for Annual Exam	Annual Practical Exam
FEBRUBARY	Revision C Annual Exam	

SUBJECT: BIOLOGY (044)**SUBJECT TEACHER: MS. KRISHNA SINGH****Name of the textbook - NCERT BIOLOGY**

MONTH	CHAPTERS TO BE COVERED	PRACTICAL / (SPOTTING)	PRACTICAL/ EXPERIMENTAL	REMARKS / IMPORTANT POINTS
APRIL	Ch 1: The Living World Ch 2: Biological Classification	Identification: bacteria, algae, fungi, lichens	Study of microscope	Start session, baseline assessment, focus on classification basics
MAY	Ch 3: Plant Kingdom Ch 4: Animal Kingdom Ch 5: Morphology	Specimens & models (plant + animal groups)	Basic slide observation	Emphasis on diagrams + classification tables
JUNE	SUMMER BREAK	—	—	Holiday assignment to be given
JULY	Ch 6: Anatomy of Plants Ch 7: Structural Organisation in Animals	Study of plant parts	T.S. of dicot & monocot	Practical file check (1), diagram practice compulsory
AUGUST	Ch 8: Cell Ch 9: Biomolecules Ch 10: Cell Division	Animal tissues, models Mitosis slides	Osmosis experiment Biomolecule tests	Focus on cell concept clarity (important for XI base)
SEPTEMBER	Half-yearly exam + practical record submission			Half-yearly exam + practical record submission
OCTOBER	Ch 11: Photosynthesis Ch 12: Respiration	Stomata, transpiration	Chromatography	Focus on numerical + cycles (C ₃ /C ₄ , ATP)
NOVEMBER	Ch 13: Plant Growth Ch 14: Breathing and Exchange of gases.	Respiratory models	Respiration rate	Concept-based teaching (application questions)
DECEMBER	Ch 15: Circulation Ch 16: Excretion	Heart, nephron models	Urine tests	Final model paper- practice begins
JANUARY	Ch 17: Locomotion Ch 18: Neural Control Ch 19: Chemical Coordination	Skeleton models	—	Revision + case-based questions
FEBRUARY	REVISION & Final - Examination	—	—	Final revision + weak area focus
MARCH	FINAL EXAMS	—	—	Completion & result preparation

SUBJECT: ECONOMICS (030)**Name of the textbook: Microeconomics (Sandeep Garg)****Statistics for Economics (Sandeep Garg)**

MONTH	DAYS	SYLLABUS	ACTIVITY
APRIL	12	Micro CH-1 Introduction, Statistics CH-1 Economics: An introduction,	1. WORKSHEET Identification of activities (economic and non-economic)
MAY	15	Micro CH-2 Consumer's equilibrium. Statistics CH-2 Meaning, scope and importance of statistics	2. WORKSHEET Numerical- Opportunity cost, Marginal opportunity cost, Cardinal and Ordinal utility approach CLASS TEST
JULY	23	Micro CH-3 Demand, CH-4 Elasticity of demand. Statistics CH-3 Collection of data, CH-4 Organisation of data	3. WORKSHEET Numerical- Demand (Individual and Market), Elasticity of demand CLASS TEST ACTIVITY 1 : Making of collage of different kind of product (Necessary goods, Luxury goods, Urgent goods etc.) 4. WORKSHEET Preparing the table of series (Inclusive and Exclusive) with their frequency distribution and tally marks
AUGUST	19	Micro CH-5 Production function, CH-6 Cost, CH-7 Revenue. Statistics - CH-5 Tabular presentation, CH-6 Diagrammatic presentation, CH-7 Graphic presentation	5. WORKSHEET Formation of table of Total product, Average product, Marginal product. Formation of table of Total cost, average cost, Marginal cost Formation of table of Total revenue, Average revenue, Marginal revenue CLASS TEST ACTIVITY 2 Graph work (Graphic presentation and Diagrammatic presentation)
SEPTEMBER	20	Revision for Half yearly Exam	
OCTOBER	18	Micro- CH-8 Producer's equilibrium, CH-9 Supply,	6. WORKSHEET Solving the table of Producer's

		CH-10 Main market forms	equilibrium, Numerical on elasticity of supply CLASS TEST ACTIVITY 3 Poster on different products of different kind of market forms
NOVEMBER	17	Statistics- CH-8 Arithmetic mean, CH-9 Median and Mode	7. WORKSHEET Solving of numerical of different methods of mean, median and mode CLASS TEST
DECEMBER	21	Micro- CH-11 Price determination in perfect Competitive market Statistics- CH-10 Measures of correlation	8. WORKSHEET Solving of numerical of scatter diagram, Rank correlation CLASS TEST PROJECT: Instruction given to individual Children on separate topic as per the Guidelines given by CBSE
JANUARY	15	Statistics- CH-11 Index number	9. WORKSHEET Solving of numerical on Consumer price Index, Family budget method, Industrial Price Index CLASS TEST
FEBRUARY		Revision for annual exam	

