

**SYLLABUS FOR ACADEMIC YEAR: 2024-25****CLASS- X SUBJECT- ENGLISH****Name of the Books – FIRST FLIGHT & FOOT PRINTS**

<b>MONTH</b>	<b>CONTENT/CHAPTERS</b>	<b>ACTIVITIES/PRACTICALS</b>	<b>PEDAGOGY</b>
<b>APRIL</b>	1.A Letter to God 2.Nelson Mandela 3.Dust of Snow 4.Fire and Ice 5.A Triumph of Surgery GRAMMAR : Tenses WRITING : Letter to Editor	1. Editing 2. Comprehension 3. Reading Newspaper 4. Listening activity	1. Writing letters to God 2. Portfolio to be started 3. Group reading and understanding
<b>MAY</b>	1. The Thief's Story 2. The Midnight Visitor 3. Two Stories about Flying 4. From the Diary of Anne Frank 5. A Tiger in the Zoo GRAMMAR : Modals WRITING : Order Placement Letter	1. Omission 2. Comprehension 3. Using Dictionary for difficult words	1. Writing Diary 2. Dialogue writing
<b>JUNE</b>	<b>SUMMER BREAK &amp; EXTRA CLASSES FOR X</b>		
<b>JULY</b>	1. Glimpses of India 2. How to Tell Wild Animals 3. The Ball poem 4. A question of Trust 5. Footprints Without Feet GRAMMAR : Sub-Verb Agreement Writing : complaint Letter	1. Gap filling 2. Comprehension 3. Preparing mobile dictionary 4. Speaking on the topics of literature	1. Read aloud, Think Aloud 2. Group activities
<b>AUGUST</b>	1. Mijbil the Otter 2. Amanda 3. The Making of a Scientist GRAMMAR : Reported Speech and Voice Writing : Analytical Paragraph based on graph	1. Cartoon Narration 2. Comprehension 3. Dialogue writing based on literature and conversion in Reported Speech	1. Reading with special focus on tone and language with THINK MARKS
<b>SEPTEMBER</b>	<b>HALF YEARLY EXAMS ASL</b>	<b>CONTENT TO BE REVISED</b> 1. Analytical paragraph 2. Letters 3. Chapters covered in July and August	<b>METHOD OF REVISION</b> 1.Worksheet 2. Oral tests 3. Mind maps
<b>OCTOBER</b>	1. The Trees 2. The Necklace 3. Madam Rides the Bus 4. The Sermon at Banaras 5. Fog 6. Bholi	1. Integrated Grammar 2. Comprehension	1. Narrating personal Experiences 2. Explaining text in class

	GRAMMAR : Clauses Writing : Enquiry letter, Analytical paragraph on data and cues		
<b>NOVEMBER</b>	1. The Proposal 2. The Tale of Custard 3. The Book that Saved the Earth 4. For Anne Gregory Grammar : Revision Writing : Revision	CONTENT TO BE REVISED AFTER 20 <sup>TH</sup> NOVEMBER 1. Poems covered in Oct and Nov 2. Revision of Grammar and Writing	METHOD OF REVISION 1. Oral tests 2. Assignment s
<b>DECEMBER</b>	PRE BOARD EXAM-1 (VIII to XIII)	Revision through Sample papers	Sample papers
<b>JANUARY</b>	WINTER BREAK PRE BOARD EXAM-2  INTERNAL ASSESSMENT	CONTENT TO BE REVISED 1. All the chapters of First Flight 2. Grammar and Writing	METHOD OF REVISION 1. MCQs 2. Reasoning based Ques. 3. Through Sample Papers
<b>FEBRURARY</b>	REVISION SCHEDULE 1. Letter writing and basic Grammar for below average students. 2. All the chapters of ‘ Foot Prints’ will be revised through different assignments for different categories. 3. Comprehension practice	CONTENT TO BE REVISED Complete syllabus	METHOD OF REVISION 1. Sample Papers 2. Sectional worksheets
<b>*If winter break extends after 10<sup>th</sup> January, online revision classes will be held from 10 AM to 12 noon.</b>			

**SYLLABUS FOR ACADEMIC YEAR: 2024-25****CLASS- X SUBJECT- HINDI****Name of the Books – KSHITIJ AND KRITIKA**

MONTH	CONTENT/CHAPTERS	ACTIVITIES/PRACTICALS	PEDAGOGY
APRIL	क्षितिज:- पाठ- पद सूरदास पाठ- नेताजी का चश्मा पठित व अपठित बोध व्याकरण:- अलंकार श्लेष , उत्प्रेक्षा, मानवीकरण , अतिशयोक्ति ।	कृष्ण के बाल रूप से संबंधित पदों का संकलन	देशभक्ति से जुड़े किस्से उदाहरण सहित
MAY	क्षितिज:- पाठ- बालगोबिन भगत कृतिका:- पाठ- माता का आंचल व्याकरण:- रचना के आधार पर वाक्य के भेद	अंदर वह बाहर खेले जाने वाले खेलों की सचित्र सूची तैयार करें ।	मां की ममता पर चर्चा
JUNE	(कार्यपत्र) ग्रीष्म अवकाश कार्य को रचनात्मक व कलात्मक ढंग से करना ।		
JULY	क्षितिज:- पाठ- राम लक्ष्मण परशुराम संवाद कविता- आत्मकथ्य पाठ- लखनवी अंदाज औपचारिक पत्र:- संपादक के नाम, शिकायती पत्र ।	नवाबों के शौक पर चर्चा ।	
AUGUST	क्षितिज:- पाठ- एक कहानी यह भी कविता- 'उत्साह' 'अट नहीं रही है' व्याकरण:- वाच्य लेखन:- संदेश लेखन स्ववृत्त लेखन	देश को आजाद करवाने में किन- किन क्रांतिकारियों का योगदान रहा। प्रकृति से जुड़ी कविताओं का संकलन ।	
SEPTEMBER	अर्धवार्षिक परीक्षा अनौपचारिक पत्रों की दोहराई ।	सभी पाठों की पुनरावृत्ति व्याकरण अलंकार , रचना के आधार पर वाक्य के भेद , वाच्य । लेखन अनुच्छेद , पत्र , संदेश लेखन, विज्ञापन ।	लिखित परीक्षा मौखिक परीक्षा कार्य पत्र द्वारा दोहराई ।
OCTOBER	क्षितिज:- पाठ- नौबत खाने में इबादत कविता- यह दंतुरित मुस्कान व फसल कृतिका:- पाठ साना साना हाथ जोड़ें व्याकरण:- पद परिचय अनुच्छेद:- समस्या संबंधी मधुर वचन हैं औषधि	शहनाई वादक उस्ताद बिस्मिल्ला खां का जीवन परिचय लिखें ।  पद परिचय का फ्लो चार्ट बनाएं।	प्राकृतिक सौंदर्य के प्रति हमारी सजगता ।

<b>NOVEMBER</b>	<p>क्षितिज:- पाठ- संस्कृति कविता- संगतकार कृतिका:- पाठ 'मैं क्यों लिखता हूँ?' अनुच्छेद:- व्यायाम खेलों का महत्व</p>	<p>अलंकार ,पद परिचय वाच्य , रचना के आधार पर वाक्य के भेद । क्षितिज:- गद्य खंड व काव्य खंड के पाठों की दोहराई । कृतिका के पाठों की दोहराई ।</p>	<p>पिछले प्रश्न पत्रों से दोहराई । सैंपल पेपर से दोहराई । कार्य पत्र द्वारा दोहराई।</p>
<b>DECEMBER</b>	<p>प्री बोर्ड परीक्षा-1</p>		
<b>JANUARY</b>	<p>संपूर्ण पाठ्यक्रम की पुनरावृत्ति । संपूर्ण व्याकरण की दोहराई।</p>	<p>पत्र तथा ईमेल लेखन का प्रारूप बता कर दोहराई करवाना ।</p>	<p>कार्य पत्र सैंपल पेपर ब्लैकबोर्ड टेस्ट</p>
<b>FEBRURARY</b>	<p>कक्षा परीक्षा , मौखिक परीक्षा , क्षितिज सभी पाठों के वस्तुनिष्ठ प्रश्न ।</p>	<p>स्ववृत्त लेखन तथा विज्ञापन करवाना ।</p>	
<p><b>*If winter break extends after 10<sup>th</sup> January, online revision classes will be held from 10 AM to12 noon.</b></p>			

**SYLLABUS FOR ACADEMIC YEAR: 2024-25****CLASS- X SUBJECT- Mathematics****Name of the Books - NCERT For Class X, NCERT Exemplar**

<b>MONTH</b>	<b>CONTENT/CHAPTERS</b>	<b>ACTIVITIES/PRACTICALS</b>	<b>PEDAGOGY</b>
<b>APRIL</b>	*Real Numbers *Polynomials *Quadratic Equations	* Factor Tree * Verification of zeroes of Quadratic Polynomial	*Cutting & Pasting *Graphical verification
<b>MAY</b>	*Pair of Linear Equations in two variables	Consistency / Inconsistency of pair of Linear Equations in two Variables	*Graphical verification
<b>JUNE</b>	SUMMER BREAK & EXTRA CLASSES FOR X		
<b>JULY</b>	*Probability *Statistics *Co ordinate Geometry	* making a sample space of rolling a pair of dice * Verification of Empirical Formula under a given situation * Proof for Distance Formula	*Hands on activity *Practicing Mathematical Operations *Graphical Method
<b>AUGUST</b>	*Introduction to Trigonometry *Triangles	* Basic Proportionality Theorem	Hands on Activity
<b>SEPTEMBER</b>	HALF YEARLY EXAMS	Ch 1,2,3,4,6,7,8,13,14 Assignments, Creating a real life situation	Group Discussion , Peer Grouping, Mind map, Tests,
<b>OCTOBER</b>	*Application to trigonometry *Arithmetic Progression *Tangents to circle	*Finding Height of a building/ distance between two cars atched from same point at some height. *Identification of A.P. *Finding sum of n terms of an A.P. *Equality of Tangents to a circle	* Model Making * Verification by examples *Cutting&Pasting *Cutting&Pasting
<b>NOVEMBER</b>	*Area related to Circle *Surface Area and volume of combination of figures	Sum of areas of sectors at the vertices of a triangle of equal radii <b>CONTENT TO BE REVISED AFTER 20<sup>TH</sup> NOVEMBER</b>	*Cutting&Pasting
<b>DECEMBER</b>	PRE BOARD EXAM-1	Ch 1 - 14	Group Discussion , Peer Grouping,
<b>JANUARY</b>	WINTER BREAK PRE BOARD EXAM-2	Full Syllabus	Mind map, Tests, Assignments, Creating a real life situation
<b>FEBRURARY</b>	INTERNAL ASSESSMENT REVISION	Full Syllabus Mind map, Tests, Assignments, Creating a real life situation	Group Discussion , Peer Grouping,

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**SYLLABUS FOR ACADEMIC YEAR: 2023-24**  
**CLASS-X SUBJECT-SCIENCE**

**Name of the Book-Science-Text book for class X**

<b>MONTH</b>	<b>CONTENT/CHAPTERS</b>	<b>ACTIVITIES/PRACTICALS</b>	<b>PEDAGOGY</b>
<b>APRIL</b>	Chapter-1 Chemical reactions  Chapter-10 Light  Chapter-6 Life Processes: Nutrition and Respiration	1.Study of types of reactions example-Decomposition, displacement and double displacement reactions.  2.To study Refraction through Glass slab 3.To find focal length of lens and mirror  4.Experiment to show that carbon di oxide is given out during respiration	*Demonstration in labs  *Focusing of image of tree and grill of class window by Lenses and Mirrors,  *Experimental set up for observation
<b>MAY</b>	Chapter-6 Life processes Transportation in plants and in Human beings  Chapter-2Acids, bases and salts	5.Study of heart model  6. Activity to show ascent of sap through Xylum  7. Study of the properties of acid and bases by their reaction with litmus solution, zinc metal	*Video to show pumping of blood by heart  *Study of T. S. of stem of Small dicot plant kept in stain *Samples of acids and bases shown from chemistry lab and students will be asked to collect from their surroundings.  Reactivity series through rhyming words
<b>JUNE</b>	<b>SUMMER BREAK &amp; EXTRA CLASSES FOR X</b>		
<b>JULY</b>	Chapter-6 Life processes : Excretion Chapter-3 Metal and Non- metals	Study through model.  8. Observing the reaction of Zinc, Iron, Copper and Aluminum Metals with various salts solutions and arranging them According to reactivity	Video to show filtration of blood in kidney. Preparation of mind map Sample collection from chemistry lab and from our surroundings

	Chapter-13 Magnetic effects of electric current  Chapter-7 Control and coordination	To sketch magnetic field lines  To study parts of brain	Magnets, drawing board, pins, bangles, magnetic compass Study through model and Chart from bio lab
<b>AUGUST</b>	Chapter-8 Reproduction  Chapter-12 Electricity  Chapter-11 Human Eye	7. Study of a) Binary fission in amoeba b) Budding in yeast and Hydra with the help of prepared slides 8. To study Ohm's law  9. To study Refraction through Glass prism	Permanent Slides from bio lab  Resistance box, Nichrome wire, battery  Glass lab drawing board pins, White sheet of paper
<b>SEPTEMBER</b>	<b>HALF YEARY EXAMS REVISION</b>	Revision of the syllabus	REVISION- Sample papers, assignments, Notes, tests
<b>OCTOBER</b>	Chapter-9 Heredity and Evolution  Chapter-4 Carbon and it's Compounds	Study of inherited and acquired features in society Study of inheritance of blood groups in family To show bonding and unique nature of carbon	Examples from real life, surroundings  Bonding will be shown by the help of ball-bond models
<b>NOVEMBER</b>	Chapter-15 Our Environment  Chapter-16 Management of natural resources	Collection of biodegradable and non-biodegradable materials  To prepare a brief write up on how to manage natural resources.	Students will be asked to prepare Bottle bricks . To be assessed internally not included in theory
<b>DECEMBER</b>	PRE BOARD EXAM-1	Practice of MCQS, Assertion/Reasoning based question	Sample papers, quizzes, previous question papers
<b>JANUARY</b>	WINTER BREAK PRE BOARD EXAM-2	REVISION - Full Syllabus	Sample papers, Notes assignments, , Written tests A+R type questions
<b>FEBRURARY</b>	Revision and internal assessment		

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**SYLLABUS FOR ACADEMIC YEAR: 2024-25****CLASS-X SUBJECT-SOCIAL SCIENCE****Name of the Books -Democratic Politics II****-Contemporary India II****-Understanding Economic Development****-India and Contemporary World II**

<b>MONTH</b>	<b>CONTENT/CHAPTERS</b>	<b>ACTIVITIES/PRACTICALS</b>	<b>PEDAGOGY</b>
<b>APRIL</b>	Ch.1Power sharing(Pol.Sc.)  Ch.1Development (Eco.)  Ch.1Resources & dev. (Geo.)  Ch.2 Nationalism in Europe (His.)	Flow chart, comparative study, PPT  Key terms,Map of soils,Chart-Sustainable Developmental Goals  Comparative chart of soils. Flow chart  Timeline and sequence of events	-Explanation through present scenario,Concept maps Case study, notes -Comparative study of HDI rank, table for Developmental Goals  -Map work, cross word (soil), comparisons of resources.  Mind map, Picture study,Story telling
<b>MAY</b>	Ch.1Nationalism in India(His.)  Ch.2 Federalism (Pol.Sc.)  Ch-2 Forest and wildlife (Geo.)  Ch.3Water resource s(Geo.)	Time line, cross word puzzle, Map work. Comparisons-Three lists, Types of Federalism, PPT  Crossword, Chart –Joint Forest Management  Slogan writing on water conservation	Notes, Concept maps ,Story telling, Role play,Map work. Notes, Discussion, Comparisons,  Map work, comparative table, Flipped classroom  Map Work -Dams
<b>JUNE</b>	<b>SUMMER BREAK &amp; EXTRA CLASSES FOR X</b>		
<b>JULY</b>	Ch.4 Agriculture (Geo.)  Ch-4 Gender, Religion & Caste  Ch-2 Sectors of Indian Economy(Eco) Ch.3Money & Credit (Eco.)	Samples of different crops  Case study ,Crossword  Case study and graph  Study of Cheque, and Different forms of money	Flow chart & comparative study of diff. crops, MCQs  -Explanation through present scenario,Concept maps, Group discussion  Graph study and A+R type questions  -Use of credit and debit card, Comparative study of Formal and Informal sources of credit,



<b>AUGUST</b>	Ch.6 Political Parties (Pol.Sc.)  Ch-3The Making of a Global World(Topic-1) (Hist.)  Ch-5 Minerals and Energy Resources(Geog.)	Symbols of political parties and their slogans  Activity on Food Travels  Map work, Crossword, model on types of energy resources	Quiz , A+R type questions,Picture study ,Concept Map Comparison of earlier and present globalization, Mind map,  Key points, comparisons, Map work,Notes ,MCQs
<b>SEPTEMBER</b>	<b>HALF YEARLY EXAMS-REVISION</b>	1.Economics-Ch-1,2,3 2.Geography-Ch-1,2,3,4 3.Political Science-Ch-1,2,3 4.History-Ch-1,2,3	<b>REVISION-</b> Sample papers, assignments, Notes ,tests
<b>OCTOBER</b>	Ch.6 Manufacturing Industries(Geo.)  Ch.4 Globalization (Eco.)  Ch-5 Print culture and the Modern world(Hist.)	Flow chart,Quiz  Collage on positive & negative impacts of globalization  Activity for different forms of print	Flipped classroom , Map work,MCQs,Comparisons  Group discussion on effects of globalization, Concept map  Storytelling, real life examples,Notes ,concept maps
<b>NOVEMBER</b>	Ch.7Outcomes of Democracy(Pol.Sc.)  Ch.7 Life lines of National economy(Only Map ) +REVISION	Picture study  Map work  +REVISION	Concept map ,MCQs and discussion Map work-Ports and Airports  +REVISION- Sample papers, assignments, Notes Map work, Written Test ,Group Revision
<b>DECEMBER</b>	<b>PRE BOARD EXAM-1</b>	<b>REVISION -Full Syllabus</b>	A+R type questions,MCQs Sample papers, Map Work,assignments, Peer assessment
<b>JANUARY</b>	<b>WINTER BREAK PRE BOARD EXAM-2</b>	<b>REVISION - Full Syllabus</b>	Sample papers, assignments, Notes ,Written tests Map work, A+R type questions
<b>FEBRURARY</b>	1.Economics 2.Geography 3.Political Science 4.History	<b>REVISION -Full Syllabus</b>	Sample papers, assignments, Notes Map work, Written Test

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**SYLLABUS FOR ACADEMIC YEAR: 2024-25**  
**CLASS-X SUBJECT- ARTIFICIAL INTELLIGENCE**  
**Name of the Books – SUMITA ARORA**

<b>MONTH</b>	<b>CONTENT/CHAPTERS</b>	<b>ACTIVITIES/PRACTICALS</b>	<b>PEDAGOGY</b>
<b>APRIL</b>	<p align="center"><b>Part B :</b></p> <p><b>Unit 1 - INTRODUCTION TO AI</b></p> <ul style="list-style-type: none"> <li>Let's Get Started Session: Introduction to AI and related terminologies</li> <li>Introducing AI, ML &amp; DL. Introduction to AI Domains (Data, CV &amp; NLP)</li> <li>AI Ethics</li> </ul>	Traits of Intelligence, Domains of AI Explain through games	Group Discussion
<b>MAY</b>	<p align="center"><b>Part B :</b></p> <p><b>Unit 2 - Project Cycle</b></p> <ul style="list-style-type: none"> <li>Problem Scoping</li> <li>Data Acquisition</li> <li>Data Exploration</li> <li>Modelling</li> <li>Evaluation</li> </ul>	AI for Oceans	Case Study- Kimchi Rising Prices- Art Integrated Activity
<b>JUNE</b>	SUMMER BREAK&EXTRA CLASSES FOR X & XII		
<b>JULY</b>	<p align="center"><b>Part B :</b></p> <p><b>Unit 4 -Data Science</b></p> <ul style="list-style-type: none"> <li>Applications of Data Science</li> </ul> <p><b>Unit 5 -Computer Vision</b></p> <ul style="list-style-type: none"> <li>Applications of Computer Vision,</li> <li>CNN</li> </ul> <p align="center"><b>Part A:</b></p> <p><b>Unit-1 communication skills</b></p>	Game Rock, Paper, Scissors, data access activities, System Maps  Emoji Scavenger Hunt Game, Create own pixel Art	AI Project Cycle on Food Wastage  Integrated- Pixel Activity
<b>AUGUST</b>	<p align="center"><b>Part B :</b></p> <p><b>Unit 6 - Natural Language Processing</b></p> <ul style="list-style-type: none"> <li>Applications,</li> <li>Process,</li> <li>Algorithms</li> </ul> <p align="center"><b>Part A:</b></p> <p><b>Unit-2 Self management skills</b></p> <p><b>Unit-3 Ict skills</b></p>	Activity-Chatbot ,Hands on-Bag of words	Understand , decipher and read the natural language
<b>SEPTEMBER</b>	HALF YEARY EXAMS	<b>Part B –</b> Unit 1 - INTRODUCTION TO AI Unit 2 - AI Project Cycle <b>Part A –</b> Unit-1 communication skills	Group Discussion , Graphical Presentations, Tests, Assignments,

<b>OCTOBER</b>	<b>Part B:</b> <b>Unit 7 - Evaluation</b> <b>Part A:</b> <b>Unit-4</b> Entrepreneur skills <b>Unit-5</b> Green skills	Confusion Matrix	Prediction calculation
<b>NOVEMBER</b>	<b>Part B:</b> <b>Unit 3 - PYTHON (UPTO 10<sup>TH</sup> NOV)</b> SALLYBUS REVISION	Python Programming  CONTENT TO BE REVISED AFTER 20 <sup>TH</sup> NOVEMBER Part B – Unit – 4 Data Science Unit – 5 Computer Vision Unit – 6 Natural Language Processing	Group Discussion , Graphical Presentations, Tests, Assignments, Emphasising high-weightage topics
<b>DECEMBER</b>	PRE BOARD EXAM-1	Part B : Unit 1 – Unit 3 Part A Unit 1 – Unit 3	
<b>JANUARY</b>	WINTER BREAK PRE BOARD EXAM-2	Full Syllabus	Group Discussion , Graphical Presentations, Tests, Assignments, Emphasising high-weightage topics
<b>FEBRURARY</b>	MENTION REVISION SCHEDULE	Full Syllabus	Practice Active Recall, Summarize and Simplify, Note Taking, Mind Methods
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