



RAMAGYA SCHOOL, NOIDA
ANNUAL CURRICULUM, 2021-22

SUBJECT: English

CLASS: X

Prescribed Books:

Published by NCERT, New Delhi

- 1.FIRST FLIGHT – Text for Class X
- 2.FOOTPRINTS WITHOUT FEET – Supplementary Reader for Class X .

MONTH	TOPICS	CHAPTER/ SUB TOPICS
TERM -I		
APRIL-19	Grammar Writing First Flight	1. Subject-Verb Agreement 1. Letter of Enquiry(TERM-II,COMPLETED) Fire and Ice (Poetry)
MAY	First Flight Grammar Writing	1.A Letter to God Dust of Snow-(Poetry) 2.Determiners 2. Letter of Complaint
JUNE	Foot Prints without Feet	

	<p>First Flight</p> <p>Foot Prints without Feet</p> <p>Grammar</p>	<ul style="list-style-type: none"> • The Hundred Dresses-II • The Ball Poem (Poetry) <p>4. A Question of Trust</p> <p>5. Footprints without Feet</p> <p>7. Reported Speech (Command, request, statement, questions)</p>
OCTOBER	<p>First Flight</p> <p>Foot Prints without Feet</p> <p>Writing Skills</p>	<p>7. Glimpses of India</p> <ul style="list-style-type: none"> • Animals (Poetry) <p>9. Madam Rides the Bus</p> <p>6. The Making of a scientist</p> <ul style="list-style-type: none"> • Analytical Writing
NOVEMBER	TERM-1 EXAM	
TERM II		

MARCH	TERM II EXAMS
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कक्षा : दस

सुसंरित पुस्तकें :

1. पाठ्यपुस्तक : स्पर्श
2. पूरक पुस्तक : संचयन
3. व्याकरण : व्याकरण प्रवेश

अर्द्धवार्षिक परीक्षा (TERM - 1)

माह	विषय	उपविषय
अप्रैल	<u>पाठ्यपुस्तक : स्पर्श</u> (गद्य) <u>व्याकरण</u>	<ul style="list-style-type: none">• पाठ-1 बड़े भाई साहब• पदबंध• मुहावरें

मई	<u>पाठ्यपुस्तक : स्पर्श</u> (पद्य)	<ul style="list-style-type: none"> • पाठ-1 पद – कबीर
जून	<u>व्याकरण</u>	<ul style="list-style-type: none"> • समास
जुलाई	<u>पाठ्यपुस्तक : स्पर्श</u> (गद्य) (पद्य)	<ul style="list-style-type: none"> • पाठ-3 तताँरा- वामीरो कथा • पाठ-2 मीरा
अगस्त	<u>पाठ्यपुस्तक : स्पर्श</u> (गद्य) <u>व्याकरण</u>	<ul style="list-style-type: none"> • पाठ-6 अब कहाँ दूसरों के दुःख से दुखी होने वाले • वाक्य रूपांतरण
सितम्बर	<u>अर्द्ध वार्षिक परीक्षा</u>	<u>पुनरावृत्ति कार्य</u> & <u>अर्द्ध वार्षिक परीक्षा</u>

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वार्षिक परीक्षा(TERM – 2)

अक्टूबर	<p><u>पाठ्यपुस्तक : स्पर्श</u> (गद्य)</p> <p><u>पाठ्यपुस्तक : स्पर्श</u> (पद्य) <u>रचनात्मक लेखन</u></p>	<ul style="list-style-type: none"> • पाठ-7 पतझर में टूटी पत्तियाँ (झेन की देन) • पाठ-4 मनुष्यता • औपचारिक पत्र
नवम्बर	<p><u>पाठ्यपुस्तक : स्पर्श</u> (गद्य)</p> <p>(पद्य)</p> <p><u>पाठ्यपुस्तक : संचयन</u> <u>रचनात्मक लेखन</u></p>	<ul style="list-style-type: none"> • पाठ-8 कारतूस • पाठ-5 पर्वत प्रदेश में पावस • पाठ – 1 हरिहर काका <p>सूचना लेखन</p>
दिसम्बर	<p><u>पाठ्यपुस्तक : स्पर्श</u> (पद्य)</p> <p><u>पाठ्यपुस्तक : संचयन</u> <u>रचनात्मक लेखन</u></p>	<ul style="list-style-type: none"> • पाठ-8 कर चले हम फ़िदा • पाठ- 2 सपनों के से दिन • विज्ञापन लेखन

जनवरी	<u>पाठ्यपुस्तक : संचयन</u> <u>रचनात्मक लेखन</u>	<ul style="list-style-type: none"> • पाठ-3 टोपी शुक्ला • लघु कथा लेखन
फरवरी	पुनरावृत्ति कार्य	<ul style="list-style-type: none"> • पुनरावृत्ति कार्य।
मार्च	पुनरावृत्ति एवं वार्षिक परीक्षा	

SUBJECT: SCIENCE
CLASS: X

Prescribed Books:

4. SCIENCE NCERT TEXT BOOK
5. LABORATORY MANUAL.

MONTH & NO. OF DAYS	NO. OF PERIODS	CHAPTER NO. & NAME	TOPICS
APRIL- 19		Chapter 6: Life processes CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS Light- REFLECTION	'Living Being'. Basic concept of nutrition, respiration. CHEMISTRY: <ul style="list-style-type: none"> • Balancing of chemical reaction • Types of chemical reactions
MAY-9		Life processes CHEMICAL REACTION AND EQUATIONS LIGHT – REFLECTION	Transport and excretion in plants and animals Reduction and oxidation
ART INTEGRATED PROJECT (I to X)		Sketching /Slide show PPT	Topics – Nutrition /Respiration /Transportation/Excretion
JUNE-10		CHEMICAL REACTION AND EQUATIONS LIGHT – REFRACTION	Reproduction in animals and plants (asexual and sexual). RANCIDITY AND CORROSION
JULY-21		Chapter 8: How do organisms reproduce. <ul style="list-style-type: none"> • ACIDS, BASES AND SALTS LIGHT- REFRACTION	Reproductive health need and methods of family planning. Safe sex vs HIV/AIDS. Child bearing and women's health. CHEMISTRY: <ul style="list-style-type: none"> • Physical and chemical properties of acids and bases • pH scale and importance of pH
AUGUST-20		Chapter 9: Heredity CHEMISTRY: ACIDS, BASES AND SALTS	Heredity; Mendel's contribution- Laws for inheritance of traits CHEMISTRY:

		HUMAN EYE AND COLOURFUL WORLD	<ul style="list-style-type: none"> • Preparation and uses of chemical compounds
SEPTEMBER-22		Chapter 9: Heredity CHEMISTRY: METALS AND NON-METALS ELECTRICITY	Sex determination: brief introduction. CHEMISTRY: <ul style="list-style-type: none"> • Physical and chemical properties of metals and non-metals • Reactivity series • Ionic compounds
ART INTEGRATED PROJECT (X)			
OCTOBER -16		Chapter 15: Our environment Carbon and its compound MAGNETIC EFFECT OF CURRENT	Carbon compounds: Covalent bonding in carbon compounds.
NOVEMBER-18		Chapter 15: Our environment Carbon and its compound REVISION	Biodegradable and non-biodegradable substances. Versatile nature of carbon
ART INTEGRATED PROJECT (I to X)		Sketching /Slide show PPT	Environmental issues, waste management practices
DECEMBER-17		Biology – Revision /practice /remedial CHEMISTRY: PERIODIC CLASSIFICATION OF ELEMENTS REVISION	Question answer writing practice/model papers.

JANUARY-17		CHEMISTRY: PERIODIC CLASSIFICATION OF ELEMENTS REVISION	Various attempts of classification of elements Mendeleev periodic table Modern periodic table Position of elements in P.T. Trends in Modern P.T.
FEBRUARY-18			
MARCH-0			

MATHEMATICS

PRESCRIBED BOOK

NCERT

MONTH	TOPICS	SUB-TOPICS
APRIL & MAY	CHAPTER – 2 POLYNOMIALS	<ul style="list-style-type: none">• Introduction• Geometrical meaning of the zeroes of a polynomial• Relationship between zeroes and coefficients of a polynomial• Division algorithm for polynomial
	CHAPTER – 1 REAL NUMBERS	<ul style="list-style-type: none">• Introduction• The fundamental theorem of arithmetic• Revisiting irrational numbers• Revisiting rational numbers and their decimal expansions
	CHAPTER – 4 QUADRATIC EQUATIONS	<p>Introduction</p> <ul style="list-style-type: none">• Quadratic equations• Solution of a quadratic equation by factorization• Solution of a quadratic equation by quadratic formula• Nature of roots

JUNE & JULY	<p>CHAPTER – 3 LINEAR EQUATIONS IN TWO VARIABLES</p> <p>CHAPTER – 7 COORDINATE GEOMETRY</p>	<ul style="list-style-type: none">• Introduction• Pair of linear equations in two variables• Graphical method of solution of a pair of linear equations• Solving a pair of linear equations by substitution method, elimination method.• Equations reducible to a pair of linear equations in two variables. • Introduction• Distance Formula• Section Formula

AUGUST	<p>CHAPTER –15 PROBABILITY</p> <p>CHAPTER – 6 TRIANGLES</p> <p>CHAPTER – 12 AREA RELATED TO CIRCLES</p>	<ul style="list-style-type: none"> • Introduction • Probability – a theoretical approach • Introduction • Similar Figures • Similarity of triangles • Criteria for similarity of triangle • Pythagoras theorem • Introduction • Perimeter and area of a circle-a review • Areas of Sector and Segment of a circle • Areas of Combinations of Plane figures
SEPTEMBER(22 days)	<p>CHAPTER -8 TRIGONOMETRY</p> <p>P T 2 REVISION</p>	<ul style="list-style-type: none"> • Introduction • Trigonometric Ratios • Trigonometric ratios of some specific angles • Trigonometric identities

TERM -2

MONTH	TOPICS	SUB-TOPICS
OCTOBER (20 DAYS)	TERM 1 REVISION	
NOVEMBER	CHAPTER – 5 ARITHMETIC PROGRESSION CHAPTER – 10 CIRCLES CHAPTER – 9 APPLICATIONS OF	<ul style="list-style-type: none">• Introduction• Arithmetic Progression• n^{th} term of an AP• Sum of First n terms of an AP <ul style="list-style-type: none">• Introduction• Tangent to a circle• Number of tangents from a point on a circle <ul style="list-style-type: none">• Introduction• Heights and Distances

	TRIGONOMETRY	
DECEMBER	CHAPTER – 11 CONSTRUCTIONS CHAPTER – 13 SURFACE AREAS AND VOLUMES	<ul style="list-style-type: none">• Introduction• Division of a Line segment• Construction of Tangents to a circle • Introduction• Surface area of a combination of solids• Volume of a combination of solids• Conversion of solid from one shape to another

JANUARY	CHAPTER – 14 STATISTICS	<ul style="list-style-type: none"> • Introduction • Mean of grouped data • Mode of Grouped data • Median of grouped data
		<ul style="list-style-type: none"> •
FEBRUARY	REVISION OF TERM 2 SYLLABUS	
MARCH		

SOCIAL SCIENCE

PRESCRIBED BOOKS

NCERT

Month	Topic	Sub - Topic
April	TERM II Chapter-3- History - Nationalism In India	<ul style="list-style-type: none"> • First World War • Khilafat and Non- Cooperation Movement • Civil Disobedience Movement • Salt Satyagraha
	TERM I Chapter 1- Political Science - Power Sharing	<ul style="list-style-type: none"> • How power shared in democracies • Federal division of power in India
May	TERM I Chapter 1- Geography - Resource and Development	<ul style="list-style-type: none"> • Types- Natural and Human • Need for the resource planning • Natural Resources. • Land As A Resource
June	TERM I Chapter 1- Economics - The Story of Development	<ul style="list-style-type: none"> • The traditional notation of development • Growth of NI • Sustainable Development • Human Development indicators
July	TERM I Chapter 2- Political	<ul style="list-style-type: none"> • Meaning of Federalism • Features • Extent of decentralisation

AI**PRESCRIBED BOOKS****KIPS PUBLICATIONS**

MONTH	TOPICS	SUB-TOPICS
MAY & June	ADVANCED PYTHON	Basics of Python, basic programs, If –else, If-elif-else programs. List, Tuple, Dictionary
JULY	INTRODUCTION TO AI	Foundational concepts of AI. Basics of AI: Let’s Get Started

AUGUST	INTRODUCTION TO AI Unit 1: Communication Skills-I I	Three domains of AI: Data, Computer Vision and Natural Language Processing. Introduction to UN Sustainable Development Goals AI Ethics Communication cycle, Communication Barriers, types of Communications
SEPTEMBER(22 days)		Half yearly exam revision

TERM -2

MONTH	TOPICS	SUB-TOPICS
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	Unit 5: Green Skills – II	Convolution Neural Network (Optional)** Session: Introduction to CNN (Optional)** Session: Understanding CNN (Optional)** Kernel Layers of CNN Activity: Testing CNN (Optional)** Demonstrate the knowledge of importance, problems and solutions related to sustainable development
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JANUARY	<p>EVALUATION</p> <p>COMPUTER VISION (To be assessed through Practical)</p>	<p>Introduction Session: Introduction to Model Evaluation Confusion Matrix Session & Activity: Confusion Matrix Evaluation Score Calculation Session: Understanding Accuracy, Precision, Recall & F1 Score Activity: Practice Evaluation</p> <p>Concepts of Computer Vision OpenCV Convolution Operator Convolution Neural Network</p>
FEBRUARY		REVISION FOR FINAL EXAM
MARCH		

DANCE

Term -1

Month	Topics	Sub-Topics
April & May	BANGLADESH TRADITIONAL DANCE	AMAR SHONAR BANGLA
June & July	FREE STYLE	IKO IKO ANE
August	PATRIOTIC DANCE, JANMASHTAMI DANCE	MUSKURAYEGA INDIA KRISHNA VANDANA
September	FOLK DANCE	GARBA/GHOOMAR

Term-2

Month	Topic	Sub-Topics
October	FESTIVAL	DURGA POOJA DANCE
November	DIWALI SPECIAL	NAGADA SANG DHOL BAJE
December	CHRISTMAS SPECIAL	DANCE ON CAROLS
January	FREE STYLE PATRIOTIC	PATRIOTIC MASHUP
February	FREE STYLE	SOORAJ KI BAHOON ME

ART

ART FILE

Term-1

MONTH & NO.	NO. OF	TOPIC	SUB TOPICS
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OF DAYS	PERIODS		
APRIL 17		*Elements of art *Still life drawing	Line, shapes, form, texture,space, vallue and colour Glass, pot , bottle
MAY 9		*Principal of art *Perspective	*Fundamental of art *Building drawing
JUNE 10		<ul style="list-style-type: none"> ● Pre historic rock painting ● Indus valley civilisation Practical – Nature study	Introduction , paintings, different types of artifacts of Indus valley civilization

JULY 21		*Introduction of colour *Landscape painting	*Primary, secondary and tertiary colour *Natural view
AUGUST 22		*Poster design Pumplate design	*poster design on Independence day *Design on Dairy milk chocolate
Term-2			
SEPTEMBER 16		*Folk art	Madhubani painting
OCTOBER 18		*Illustration drawing	*self story

		*Mandala art	*creative drawing
NOVEMBER 17		*Tie and dye *Book cover design	* T-shirt/Dupatta * My school -
DECEMBER 17		*Human figure drawing *Mural	* Life drawing *Painting
January 17		*motif design	*Floral design