



RAMAGYA SCHOOL, NOIDA
ANNUAL CURRICULUM, 2023-24
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	CHAPTER NO. & NAME	TOPICS
TERM I		
APRIL & MAY	Grammar Writing First Flight Footprint without Feet	'Bridge the Gap' Tenses Subject-Verb Agreement Letter of Enquiry Letter of Complaint A Letter to God A Triumph of Surgery Dust of Snow-(Poetry) Fire and Ice (Poetry) Long walk to freedom: Nelson Mandela Two Stories about flying -I Determiners

JULY	Writing First Flight Foot Prints without Feet	Letter to Editor A tiger in the zoo How to Tell Wild Animals The Thief's Story
AUGUST	First Flight Writing	The Ball Poem Two stories about Flying-II Analytical Writing The Midnight Visitor
SEPTEMBER	First Flight Foot Prints without Feet	The Trees (Poem) Fog (Poem) Footprints without feet From the diary of Anne Frank A Question of Trust

TERM II

OCTOBER

First Flight

Glimpses of India
The Tale of Custard the Dragon

Foot Prints without Feet

Modals
Reported Speech

Grammar

Mijbil the Otter

NOVEMBER	First Flight Foot Prints without Feet	The Making of a scientist The Necklace AMANDA (Poem) Madam Rides the Bus Bholi For Anne Gregory (Poem) The Sermon at Benaras
DECEMBER	First Flight Foot Prints without Feet	The Proposal The Book That Saved the Earth REVISION PRE- BOARD
JANUARY		REVISION PRE -BOARD
FEBRUARY		PRE- BOARD
MARCH	REVISION & ANNUAL EXAMS	



रामाज्ञा स्कूल, नौएडा
वार्षिक पाठ्यक्रम, 2023-24
विषय : हिन्दी
कक्षा : दस

अनुसरित पुस्तकें :

1. स्पर्श: भाग 2
2. संचयन: भाग 2
3. व्याकरण: व्याकरण परिचय

अर्द्धवार्षिक परीक्षा (TERM – 1)

माह	ववषय	उपववषय
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<p>अप्रैल एव ंमई</p>	<ul style="list-style-type: none"> • स्पर्श - गद्य • स्पर्श - पद्य • व्याकरण • रचनात्मक लेखन <ul style="list-style-type: none"> • स्पर्श - गद्य • स्पर्श - पद्य • संचयन • व्याकरण रचनात्मक लेखन 	<p>पाठ-1 बड़े भाई साहब</p> <p>पाठ-1 साखी- कबीर</p> <ul style="list-style-type: none"> • पदबंध • मुहावरें • पत्र लेखन (अनौपचारिक) <p>पाठ-2 डायरी का पन्ना</p> <p>पाठ-2 पद – मीरा</p> <p>पाठ – 1 हरिहर काका</p> <ul style="list-style-type: none"> • पदबंध • विज्ञापन लेखन
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जुलाई	<ul style="list-style-type: none"> • स्पर्श - गद्य • स्पर्श - पद्य • व्याकरण • रचनात्मक लेखन 	<p>पाठ – 3 ततार्रा वामीरो कथा</p> <p>पाठ – 3 पर्वत प्रदेश में पावस</p> <ul style="list-style-type: none"> • रचना के आधार पर वाक्य भेद • सूचना लेखन • अनुच्छेद लेखन
अगस्त	<ul style="list-style-type: none"> • स्पर्श - गद्य • स्पर्श - पद्य • संचयन • रचनात्मक लेखन 	<p>पाठ-4 तीसरी कसम के शिल्पकार</p> <p>पाठ-4 तोप</p> <p>पाठ-2 सपनों के से दिन</p> <ul style="list-style-type: none"> • ई- मेल लेखन लघु कथा लेखन

सितम्बर	पुनरावृत्ति कार्य & अर्द्ध वार्षिक परीक्षा	पुनरावृत्ति कार्य & अर्द्ध वार्षिक परीक्षा
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वार्षिक परीक्षा (TERM – 2)

अक्टूबर	<ul style="list-style-type: none">• स्पर्श - गद्य • स्पर्श - पद्य • व्याकरण • रचनात्मक लेखन	<p>पाठ- 6 अब कहाँ दूसरों के दुःख से दुखी होने वाले</p> <p>पाठ- 6 मनुष्यता</p> <p>पाठ- 8 कर चले हम फ़िदा</p> <p>पदबंध</p> <p>पत्र लेखन (औपचारिक)</p>
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नवम्बर	<ul style="list-style-type: none">• स्पर्श - गद्य• स्पर्श - पद्य• व्याकरण• रचनात्मक लेखन	<p>पाठ- 7 पतझड़ में टूटी पत्तियाँ</p> <p>पाठ- 9 आत्मत्राण</p> <ul style="list-style-type: none">• समास• विज्ञापन और सूचना लेखन

दसम्बर	<ul style="list-style-type: none"> • स्पर्श - गद्य • संचयन • व्याकरण • रचनात्मक लेखन 	<p>पाठ-8 कारतूस</p> <p>पाठ- 3 टोपी शुक्ला</p> <ul style="list-style-type: none"> • रचना के आधार पर वाक्य भेद <p>ईमेल व लघु कथा लेखन</p>
जनवरी	पुनरावृत्ति कार्य & प्रीबोर्ड 1	पुनरावृत्ति कार्य & प्रीबोर्ड 1
फ़रवरी	पुनरावृत्ति कार्य & प्रीबोर्ड 2	पुनरावृत्ति कार्य & प्रीबोर्ड 2
मार्च	वार्षिक परीक्षा (सी बी एस सी)	वार्षिक परीक्षा (सी बी एस सी)



RAMAGYA SCHOOL, NOIDA
TERM WISE ANNUAL CURRICULUM, 2023-24
SUBJECT: MATHEMATICS
CLASS: X

Prescribed books:

_ 1. NCERT

MONTH	TOPICS	SUB-TOPICS
APRIL & MAY	BRIDGE THE GAP CHAPTER – 1 REAL NUMBERS CHAPTER – 2 POLYNOMIALS CHAPTER – 3 LINEAR EQUATIONS IN TWO VARIABLES	BRIDGE THE GAP <ul style="list-style-type: none">• Introduction• The fundamental theorem of arithmetic• Revisiting irrational numbers• Revisiting rational numbers and their decimal expansions• Introduction• Geometrical meaning of the zeroes of a polynomial• Relationship between zeroes and coefficients of a polynomial• 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.

	CHAPTER – 4 QUADRATIC EQUATIONS	<ul style="list-style-type: none"> • Equations reducible to a pair of linear equations in two variables. <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
JULY	CHAPTER – 6 TRIANGLES CHAPTER – 5 ARITHMETIC PROGRESSION	<ul style="list-style-type: none"> • Introduction • Similar Figures • Similarity of triangles • Criteria for similarity of triangle <ul style="list-style-type: none"> • Introduction • Arithmetic Progression • n^{th} term of an AP • Sum of First n terms of an AP

AUGUST	<p>CHAPTER -8 INTRODUCTION TO TRIGONOMETRY</p> <p>CHAPTER –15 PROBABILITY</p> <p>CHAPTER – 7 COORDINATE GEOMETRY</p>	<ul style="list-style-type: none"> • Introduction • Trigonometric Ratios • Trigonometric ratios of some specific angles • Trigonometric identities <ul style="list-style-type: none"> • Introduction • Probability – a theoretical approach <ul style="list-style-type: none"> • Introduction • Distance Formula • Section Formula
SEPTEMBER	REVISION	<ul style="list-style-type: none"> • Revision of Term 1 Syllabus

TERM -2

MONTH	TOPICS	SUB-TOPICS
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OCTOBER (20 DAYS)	<p>CHAPTER – 10 CIRCLES</p> <p>CHAPTER – 9 APPLICATIONS OF TRIGONOMETRY</p> <p>CHAPTER – 12 AREA RELATED TO CIRCLES</p>	<ul style="list-style-type: none"> • Introduction • Tangent to a circle • Number of tangents from a point on a circle <p>Introduction Heights and Distances</p> <ul style="list-style-type: none"> • Introduction • Perimeter and area of a circle-a review • Areas of Sector and Segment of a circle • Areas of Combinations of Plane figures
NOVEMBER	<p>CHAPTER – 13 SURFACE AREAS AND VOLUMES</p> <p>CHAPTER – 14 STATISTICS</p>	<ul style="list-style-type: none"> • Introduction • Surface area of a combination of solids • Volume of a combination of solids • Conversion of solid from one shape to another <ul style="list-style-type: none"> • Introduction • Mean of grouped data • Mode of Grouped data • Median of grouped data

DECEMBER	REVISION OF FULL SYLLABUS	
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JANUARY	REVISION OF FULL SYLLABUS	
FEBRUARY	REVISION OF FULL SYLLABUS	
MARCH		FINAL EXAM



RAMAGYA SCHOOL, NOIDA
UPDATED ANNUAL CURRICULUM, 2023-24

SUBJECT: SCIENCE

CLASS: X

Prescribed Books:

1. Science-Text book for class X- NCERT Publication
2. Laboratory Manual-Science-Class X, NCERT Publication
3. Exemplar Problems Class X – NCERT Publication

TERM -1

MONTH	TOPICS	SUB-TOPICS
APRIL & MAY	CHAPTER 6- LIFE PROCESSES CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS CHAPTER : ELECTRICITY	'Living Being'. Basic concept of nutrition, respiration. CHEMISTRY: Balancing of chemical reaction Types of chemical reactions PHYSICS: Introduction of Electric Current, Potential Difference Ohm's law; Resistance with Numerical. Explanation of Resistivity, Factors on which the resistance of a conductor depends. Transport and excretion in plants and animals Reduction and oxidation

		Series combination of resistors, parallel combination of resistors and its applications in daily life
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<p>JULY</p>	<ul style="list-style-type: none"> • Control and Coordination • ACIDS, BASES AND SALTS <p>ELECTRICITY CHAPTER: - LIGHT</p>	<p>Tropic 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.</p> <p>CHEMISTRY:</p> <ul style="list-style-type: none"> • Physical and chemical properties of acids and bases • pH scale and importance of Ph <p>PHYSICS Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R</p> <p>LIGHT - Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification. Refraction; Laws of refraction, refractive index</p>
<p>AUGUST</p>	<p>BIOLOGY: Reproduction CHEMISTRY: ACIDS, BASES AND SALTS</p> <p>PHYSICS: - CHAPTER- LIGHT CHAPTER- HUMAN EYE</p>	<p>Reproduction in animals and plants (asexual and sexual) reproductive health - need and methods of family planning. Safe sex vs HIV/AIDS. Child bearing and women's health.</p> <p>CHEMISTRY:</p> <ul style="list-style-type: none"> • Preparation and uses of chemical compounds <p>PHYSICS: - Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens. CHAPTER- HUMAN EYE Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses. Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life (excluding colour of the sun at sunrise and sunset).</p>

<p>SEPTEMBER (22 DAYS)</p>	<p>BIOLOGY: Heredity and Evolution: CHEMISTRY: METALS AND NON-METALS PHYSICS: - Magnetic effects of current</p>	<p>Heredity; Mendel’s contribution- Laws for inheritance of traits: Sex determination: brief introduction: (topics excluded - evolution; evolution and classification and evolution should not be equated with progress). CHEMISTRY:</p> <ul style="list-style-type: none"> • Physical and chemical properties of metals and non-metals • Reactivity series • Ionic compounds <p>PHYSICS: - :- Magnetic effects of current : Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid</p>
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	*Revision for Assessment-2	• Revision for Assessment-2
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TERM -2

MONTH	TOPICS	SUB-TOPICS
OCTOBER	<p>BIOLOGY: Heredity and Evolution WILL BE CONTINUED....</p> <p>*Our environment WILL BE INTRODUCED</p> <p>Carbon and its compound</p> <p>PHYSICS: - Magnetic effects of current</p>	<p>Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.</p> <p>Carbon compounds: Covalent bonding in carbon compounds.</p> <p>PHYSICS:- Force on current carrying conductor, Fleming’s Left Hand Rule, Direct current. Alternating current: frequency of AC. Advantage of AC over DC.</p>

NOVEMBER	Our environment Carbon and its compound	Biodegradable and non-biodegradable substances. Versatile nature of carbon
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DECEMBER	Biology – Revision /practice /remedial	Question answer writing practice/model papers.
JANUARY	REVISION	Question answer writing practice/model papers.

FEBRUARY	REVISION	Question answer writing practice/model papers.
MARCH	EXAMINATION	



RAMAGYA SCHOOL, NOIDA
ANNUAL CURRICULUM, 2023-24

SUBJECT: AI

CLASS: X

Prescribed Books:

1. Kips Publication

MONTH	CHAPTER NO. & NAME	TOPICS
APRIL & MAY	UNIT 1-INTRODUCTION TO AI	Foundational concepts of AI. Basics of AI: Let's Get Started
	UNIT 1 : COMMUNICATION SKILLS-I	Demonstrate knowledge of various methods of communication Provide descriptive and specific feedback Apply measures to overcome barriers in communication Apply principles of communication Demonstrate basic writing skills

	<p>DATA SCIENCES</p> <p>UNIT 2 : SELF-MANAGEMENT SKILLS-II</p>	<p>Introduction – Applications of Data Science Revisiting AI Project Cycle Concepts of Data Sciences Revisiting AI Project Cycle Revisiting AI Project Cycle K-nearest neighbour model</p> <p>Apply stress Management Techniques Demonstrate the ability to work independently</p>
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JULY	PART B-UNIT 2: AI PROJECT CYCLE	Introduction Session: Introduction to AI Project Cycle Problem Scoping Session: Understanding Problem Scoping & Sustainable Development Goals Data Acquisition Session: Simplifying Data Acquisition Data Exploration Session: Visualising Data Modelling Session: Introduction to modelling Introduction to Rule Based & Learning Based AI Approaches Introduction to Supervised Unsupervised & Reinforcement Learning Models Neural Networks Evaluation Session: Evaluating the idea!
AUGUST	UNIT 3: ADVANCE PYTHON UNIT 3 : ICT SKILLS-II	Recap Jupyter Notebook Introduction to Python Python Basics Prepare documentation using Word Processing Application Perform Tabulation using Spreadsheet Application Prepare Presentation using Presentation Application
SEPTEMBER	Unit 5: Computer Vision Revision Introduction to CV Application of CV Revision	
OCTOBER	UNIT 3- NEURAL NETWORK	Introduction to neural network Comparison between network and nervous system in human body Describing the function of neural network Understand and appreciate the concept of Neural Network through gamification.

	UNIT 4 : ENTREPRENEURIAL SKILLS-I	<p>identify various types of business activities</p> <p>Demonstrate the knowledge of distinguishing characteristics of entrepreneurship</p>
NOVEMBER	<p>UNIT 7: EVALUATION</p> <p>UNIT 5 : GREEN SKILLS-I</p>	<p>Introduction</p> <p>Confusion Matrix</p> <p>Evaluation Score Calculation</p> <p>.</p> <p>Demonstrate the knowledge of the factors influencing natural resource conservation.</p> <p>Describe the importance of green economy and green skills.</p>
DECEMBER	REVISION	
JANUARY	REVISION	
FEBRUARY	REVISION	



RAMAGYA SCHOOL, NOIDA
ANNUAL CURRICULUM, 2023-24
SUBJECT: SOCIAL SCIENCE
CLASS: X

Prescribed Books: NCERT

Reference Books: 1. Exam Idea

2. Together With Social Science

1. History
2. Geography
3. Political Science
4. Economics

MONTH	CHAPTER NO. & NAME	TOPICS
APRIL & MAY	<p>Chapter 1-History.-Nationalism in Europe</p> <p>Chapter 1-Geography-Resource and Development</p> <p>Chapter 1-Political Science- Power Sharing</p>	<ul style="list-style-type: none"> • French Revolution and its Impact • Phases of struggle in different parts of the world • Revolution in Germany, France, and Italy • Types- Natural and Human • Need for the resource planning • Natural Resources. • Land As A Resource • Land Degradation and Conservation Power Sharing-Belgium Power Sharing-Sri Lanka Forms of Power Sharing

	<p>Chapter 1-Economics- The Story of Development</p> <p>Chapter 2- Political science-Federalism</p>	<p>The traditional notation of development Growth of NI Sustainable Development Human Development indicators</p> <p>Meaning of Federalism Features Extent of decentralization</p>
	<p>DATA SCIENCES</p> <p>UNIT 2 : SELF-MANAGEMENT SKILLS-II</p>	<p>Introduction – Applications of Data Science Revisiting AI Project Cycle Concepts of Data Sciences Revisiting AI Project Cycle Revisiting AI Project Cycle K-nearest neighbour model</p> <p>Apply stress Management Techniques Demonstrate the ability to work independently</p>
<p>JULY</p>	<p>Chapter-3-History-Nationalism In India</p>	<ul style="list-style-type: none"> ● First World War ● Khilafat and Non- Cooperation Movement ● Civil Disobedience Movement ● Salt Satyagraha

	Chapter 2- Geography —Forest and Wildlife	<ul style="list-style-type: none"> • Biodiversity • Flora and fauna • Types and distribution • Community and conservation
	Chapter 3-Geography Water Resources	<ul style="list-style-type: none"> • Water scarcity and need for water • Multi-purpose projects <p>Rainwater harvesting</p>
AUGUST	Chapter-2- Economics --Sectors of Indian Economy	<ul style="list-style-type: none"> • Sector of Economic activities • Historical Change in sectors • Division of sectors
	Chapter 4 Pol. Sc. Gender,Religion and Caste	<ul style="list-style-type: none"> • Gender and politics • Religion ,communalism and politics • Caste and politics
	Chapter-4- Geography -Agriculture	<ul style="list-style-type: none"> • Types of farming • major crops • cropping patterns • technological and institutional reforms
	Chapter 3 History The Making of the Global World	<ul style="list-style-type: none"> • The pre-modern world
SEPTEMBER	REVISION	

<p>OCTOBER</p>	<p>Chapter-6-Political Science-- Political Parties</p> <p>Chapter-3- Economics - Money and Credits</p> <p>Chapter 6- Geography Minerals and Energy Resources</p>	<p>Role of Political parties Competition and contestation</p> <p>Role of money in an economy Historical origin Formal and informal financial institutions for saving and credits- general Introduction</p> <p>What is a mineral? Mode of occurrences Types</p>
<p>NOVEMBER</p>	<p>Chapter-4-History-The Age of Industrialization</p> <p>Chapter-4-Economics--Globalization and the Indian Economy</p>	<p>The History of industries in Europe The growth of industries in the nineteenth century in India Patterns of Urbanization Social Change</p> <ul style="list-style-type: none"> ● Introduction of Globalization ● Development strategy ● State control of Industries ● Different perspectives on globalization and its impact

DECEMBER	<p>Chapter 6- History Print Culture and the modern World</p> <p>Chapter-7-Political Science—Outcomes of Democracy</p> <p>Chapter-6-GEOGRAPHY-- Manufacturing Industries</p> <p>Chapter-7-GEOGRAPHY—Lifelines in the National Economy</p>	<ul style="list-style-type: none"> • The first printed book • Print comes to India • The print Revolution • The reading Mania <ul style="list-style-type: none"> • Outcomes of democratic policies • expectations with democracy • security and dignity provided by democracy <p>Types spatial distribution contribution of industries to the national economy Industrial pollution and degradation of the environment measures to control degradation</p> <ul style="list-style-type: none"> • Needs of means of transport • modern means of Transport and communication • lifelines of the National Economy
JANUARY	REVISION	
FEBRUARY	REVISION	



RAMAGYA SCHOOL, NOIDA
ANNUAL CURRICULUM, 2023-24
SUBJECT: FRENCH
CLASS: X

MONTH	CHAPTER NO. & NAME	TOPICS
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APRIL & MAY	Leçon 2- Après le bac. Leçon 3- Chercher du travail.	Un rappel de tous les articles, pronoms, adjectifs et verbes Introduction au futur antérieur. Introduction aux pronoms relatifs simples et composés, Les prépositions.
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JULY	Leçon 4- Le plaisir de lire.	Inviter quelqu'un raconter un événement/une fable. Le plus-que-parfait, les extraits des textes.
AUGUST	Leçon 5- Les Médias	La forme nominale, les pronoms personnels : (Y/EN)
SEPTEMBER	REVISION	
OCTOBER	Leçon 6- Chacun ses goûts	Exprimer ses goûts inviterquelqu'un, les pronoms démonstratifs simples et composés le pronom 'on' l'emphase : c'est...qui, c'est...que.
NOVEMBER	Leçon 7- En pleine forme. Leçon 8- L'environnement	Parler de la bonne forme physique discuter de bonnes habitudes de vie s'informer dela santé de quelqu'un exprimer son état de santé. Les pronoms possessifs.

		Parler de l'environnement faire des projets pour sauver la planète exprimer la nécessité/la volonté/les sentiments, le subjonctif.
DECEMBER	REVISION	REVISION
JANUARY	REVISION	
FEBRUARY	REVISION	