

NEW ERA PUBLIC SCHOOL, PATNA
(Affiliated to CBSE, delhi, Upto 10 + 2 level)

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CLASS- X

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SYLLABUS FOR THE SESSION : 2023-2024

CLASS : X SUBJECT :- English BOOK'S NAME : First Flight / Foot prints with feet + workbook

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	<ul style="list-style-type: none">* A letters to God* Dust of snow* Fire and Ice* A Triumph of Surgery* Tenses	<ul style="list-style-type: none">* Story of extreme faith in god.Discussion on Pets and how to care them.	<ul style="list-style-type: none">* Write an article on 'faith' showing the power of love.* An article on 'courage'
MAY - JUNE	<ul style="list-style-type: none">* Nelson Mandela (Long walk to freedom)The thief's storySubject verb Agreement.	<ul style="list-style-type: none">* Value of love and courage with Non-violence.* Importance of good behaviour and education.* Rules, Subject, Verbs	<ul style="list-style-type: none">* A report on the Biography of Nelson Mandela* Debate on 'Importance of honesty'* Practice exercises.
JULY	<ul style="list-style-type: none">* Two stories about flying* A tiger in the zoo.* The midnight visitor* Modals* Unseen Passages	<ul style="list-style-type: none">* Importance of taking risk in life.* character analysis of Max and Fowler.* Different types of modals and their uses.	<ul style="list-style-type: none">* A report on taking risk in life'* a report on the 'Lifestyle of spies'* Integrated exercises.
AUGUST	<ul style="list-style-type: none">* From the Diary of Anne Frank.* How to tell wild animals.* The ball poem* A question of trust* Determiners	<ul style="list-style-type: none">* Introduction of Anne and her biography.* Funny Identification of different wild animals.* Importance of things* Understanding the honour among thieves.	<ul style="list-style-type: none">* Biography of Anne Frank* An article of the importance of things* A report on the topic 'Understanding the honour among thieves'

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	<ul style="list-style-type: none"> * Amanda * Footprints without feet * Avoding Repetition/Substitution/omission 	<ul style="list-style-type: none"> * Understanding the real meaning of freedom. * concept of Invisibility. * Passage precision., avoiding repetition. 	<ul style="list-style-type: none"> * Debate 'can we become invisible' * Integrated exercises in workbook.
OCTOBER	<ul style="list-style-type: none"> * Glimpses of India. * The making of a Scientist * Reported speech. 	<ul style="list-style-type: none"> * Story telling, History of India. * How to devlop competitive sprit. * Rules and conversion of direct to Indirect. 	<ul style="list-style-type: none"> * Article on 'Indian Beauty' * Ingredients of becoming a scientst * Integrated practices.
NOVEMBER	<ul style="list-style-type: none"> * The trees * Fog * Mijbil the otter * The NMecklace * Bholi 	<ul style="list-style-type: none"> * Importances of saving trees for future. * Terrible price for greed and desire. 	<ul style="list-style-type: none"> * Article on 'save Trees save future' * Value of proper guidance
DEC.-JANUARY	<ul style="list-style-type: none"> * The sermon at Banaras * Madam Rides the Bus * The proposal * The Hack Driver * The book tat saved the carth * Writing section 	<ul style="list-style-type: none"> * REcovery from Grief. * understanding the habit of self-learning. * Formal letter/Paragraph writing 	<ul style="list-style-type: none"> * Difference between sermon and preaching * Article on To whome can we Trust * Practice an various topics of writing.
FEBRUARY-MARCH	Revision	Revision	Revision

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SYLLABUS FOR THE SESSION : 2023-2024

CLASS : X SUBJECT :- Hindi BOOK'S NAME : स्पर्श / संचयन

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	बड़े भाई साहब- प्रेमचंद साखी - कबीर हरिहर काका -	व्याकरण-महत्वपूर्ण परिभाषाएँ संचयन से	प्रेमचंद की तस्वीर चस्पाकर उनकी कृतियों को दर्शावें एवं दस वाक्यों में परिचय दें ।
MAY - JUNE	डायरी का एक पन्ना-सीताराम सेकसरिया पद - मीरा दोहे- बिहारी	व्याकरण- पदबंध	मीरा और उनके समकालीन लेखक-लेखिका का तस्वीर चस्पाकर दो-दो वाक्यों में परिचय
JULY	ततारा वामीरो कथा - लीलाधर मंडलोई मनुष्यता (पद्य)-मैथिलीशरण गुप्त तीसरी कसम के शिल्पकार	व्याकरण-रचना के आधार पर वाक्यों का रूपांतरण	तीसरी कसम फिल्म के बारेमें पाँच वाक्य लिखें। सिनेमा किस प्रकार मानव सभ्यता को प्रभावित किया है?
AUGUST	मधुर-मधुर मेरे दीपक जल पर्वत प्रदेश में पावस-सुमित्रानंदन पंत सपनों के से दिन- गुरदयाल सिंह (संचयन से)	महादेवी वर्मा व्याकरण समास और उसके भेद -पूरक	परियोजना पेपर पर पर्वत प्रदेश का चित्र वर्णन करें ।

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	अब कहाँ दूसरे के दुःख से दुःखी होने वाले (निंदा फाजली) गिरगिट	मुहावरे एवं वाक्यों में प्रयोग अंतोन चेखव	किसी तथ्य को कम शब्दों में कहने की कला मुहावरा है कैसे। परियोजना पत्र पर लिखें।
OCTOBER	तोप- वीरेन डंगवाल पतझर में टूटी पत्तियाँ गिन्नी का सोना झेन की देन	अनुच्छेद लघुकथा	यात्रा भी शिक्षा का एक अंग है, विषय पर 100 शब्दों में एक निबंध अपनी भाषा में लिखें।
NOVEMBER	कारतूस (एकांकी) हबीब तनवीर कर चले हम फिदा कैफी आजमी आत्मत्राण-रवीन्द्रनाथ ठाकुर	विज्ञापन ईमेल	
DEC.-JANUARY	टोपी- शुक्ला- राही मासूम रजा	ऑपचारिक तथा अनौपचारिक पत्र	पत्र मानसिक रूपज है किताबी क्रीड़ा ही मात्र शिक्षा नहीं/ विषय पर 100 शब्दों में निबंध लिखें।
FEBRUARY-MARCH	पुनरावृत्ति	परीक्षा की तैयारी	

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SYLLABUS FOR THE SESSION : 2023-2024

CLASS : X SUBJECT :- Maths BOOK'S NAME : R. S. Aggarwal / NCERT

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	1. Real Numbers	Euclid's division Lemma, fundamental Theorem of Arithmetic Proof of $\sqrt{2}, \sqrt{3}, \sqrt{5}$ irrationality.	To find the HCF of two numers experimentally based on Euclid's Division Lemma.
MAY - JUNE	2. Polynomial 3. Pair of Linear equations in two variosles	Zeroes of a polynomial, Relation between zeroes and coeff. of quadratic polynomial. Solution by different metods, conditions for consistancy and inconsistency.	* To draw the graph. of a quadratic polynomials * To verify the conditions for consistancy and inconsistency equations in the valuables.
JULY	4. Quadratic equations	standard form of Paudratic quations Solutions, Nature of roots and disociminant.	To obtain the solution of quadratic equation $x^2 + 4x + 60 = 0$ by completing the square geometrically
AUGUST	5. Arithmetic Progressions 6. Triangles.	nth term and sum upto first n-terms f an A.P./ Thales theorem, similarity of triangles, Pythogores theorem	To verify Pythagoras theorem.

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	7. Co-ordinate geometry. 8. Introduction to Trigonometry.	Distance formula section formula, Area of triangles. Trigonometric ratios, and relation between ratios.	To find the height of a building by a clinometer.
OCTOBER	9. Applications of Trigonometry. 10. Circles.	Heights and distances, Line of sight, Angle of elevation and depression Tangent to a circle from a point.	To find the number of tangents from a point to a circle.
NOVEMBER	11. Constructions 12. Area related to circles. 13. Surface area and volume.	Division of line segment and tangent to a circle. Area of sector and segment and combination of figures. Surface area of combination of solids, volume of combination of solids.	To verify the distance formula by graphical method.
DEC.-JANUARY	13. Surface area vo. (Cont.) 14. Statistics 15. Probability.	Mean, Median, Mode Theoretical approach of probability and simple problems.	To verify experimental probability of a coin is tossed 100 times.
FEBRUARY-MARCH	Revision	Revision	Revision.

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SYLLABUS FOR THE SESSION : 2023-2024

CLASS :^X..... SUBJECT :- Physics BOOK'S NAME : Sciene (NCERT)

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	Electricity	electric potential, potential difference, electric current, electric resistance, combination of resistors, hating effects and its application, electric power.	Make an electric circuit of series and parallel combination
MAY - JUNE	Magnetic Effects of Electric Current	Magnet and its properties, Magnetic, Field and field lines, Magnetic Field due to a currecnt carryin conductor, magnetic field due to current through a straight conductor right hand thumb rule.	Show magnetic effect of current using iron fillings
JULY	Magnetic Effects of Electric Current (Contined)	Magnetic field due to a current through a circuit 100p. Magnetic field due to a current in a solenoid Force on a current carrying conductor in a magnetic field, electro-magnetic.	Experiment to show that a moving magnet can conduct current
AUGUST	Sources of Energy	What is good source of energy, conventional sources of energy, fossils fuel, thermal, power plant, Hydro powre plant, Improvement in technology for using convention source of energy alternatives or non conventional source of energy. Environmental consequents how long will an energy source lost	Make a model of solar cooker and discuss their working

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	Source of Energy + Revision	Revision	List four forms of energy that you use from morning, when you wake up till you reach the school. Discuss the resoss with your friends.
OCTOBER	Light- Reflection and Refraction	Reflection of light law of reflection spherical mirrors, image formation representation of Images formed by spherical mirrors sign conventions by spherical mirror	Take a large shining spoon and view your face on the curved surface and then reverse the spoon and repeat it. Discusses the characteristics of the image on two surface x-show refraction of light through a retangular glass slab.
NOVEMBER	Light- Reflection and Refraction (Continued...)	Refraction, refraction through rectangular glass slab, refractive index, retraction by sphericalness Image formation in lenses using ray diagram sign convention for spherical mirror, Lens formula and magnification, power of lens.	
DEC.-JANUARY	Human Eye and Colourful world	The human eye, power of accomodation detects of vision and other correction retroction of light through prision dispersion of white light by a glass prism Atmospheric refraction, scattering of light, effect why it the colour of the clear sky blue colour of the sun at sunrise and sunset	Show the splitting of white light through glass prism. verify the re-combination spectrum of white light.
FEBRUARY-MARCH	Revision	Revision	

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SYLLABUS FOR THE SESSION : 2023-2024

Physics lab Practical

NCERT

CLASS : X SUBJECT :- BOOK'S NAME :

LAB PRACTICAL	
<p style="text-align: center;">First Term :</p> <ol style="list-style-type: none">1. To study the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also Plot graph between V and I.2. To determine the equivalent resistance of two resistor when connected in series.3. To determine the equivalent resistance of two resistor when connected in Parallel.4. Experimental difference between conduction and Induction. Working model of an electromagnet, Electric Motor.	<p style="text-align: center;">Second Term :</p> <ol style="list-style-type: none">1. To determine the focal length of (a) Concave Mirror, (b) Concave Lense by obtaining the Image of a distant object.2. To trace the path of a ray of light passing through a rectangular glass slabe for different angles of incidence. measure the angle of incidence, angle of refraction, angle of emergency and interpret the result.3. To trace the path of ray of light through a glass prism.4. To find the image distance of for varying object distance in case of a convex lens and draw corresponding ray diagram to show the nature of image.

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SYLLABUS FOR THE SESSION : 2023-2024

CLASS : X SUBJECT :- Chemistry BOOK'S NAME : NCERT

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	1. Chemical Reaction	Types of chemical Reactions chemical equation and balancing by different methods Oxidation and Reduction. Combustion and its type	Showing the changes taking place when Zn is added to dil. H_2SO_4
MAY - JUNE	2. Acids Bases and Salts.	Acids, Bases and Salt general properties chemical properties of Acid and Bases.	Testing of sour and bitter substances with your own indicators with ut testing them.
JULY	2. Acids Bases and Salts.	PH scale and universal indicator, Some common salts their preparation and use PHm our daily life.	Testing corrosive nature of acids.
AUGUST	3. Metals, Non-metals and Metallurgy	Brief discussion of basis metallurgical processes, Physical and chemical properties of common metals and non metals.	Burning of metals in air.

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	3. Metals, Non-metals and Metallurgy	Elementary idea about bonding in metals	Reaction metals with water
OCTOBER	4. Carbon and its compounds	Carbon compounds Nomenclatures of carbon Compounds	Write modern PT importance and usefulness.
NOVEMBER	4. Carbon and its compounds	Alcohols, Carboxylic acids Soap, Cleaning action of soap, detergents Cleaning action to soap.	Modern PT law has been used to arrange element in different ways that presented in the Textbook.
DEC.-JANUARY	5. Classification of Elements.	Mendeleev's periodic Laws, Modern Periodic Table, Trader of modern, Periodic Table new lands law of octave dabereiner triads.	Find out what are these and present the collected information in class. You should also include work done by Indians.
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SYLLABUS FOR THE SESSION : 2023-2024

X

Chemistry lab Practical

NCERT

CLASS : SUBJECT :- BOOK'S NAME :

LAB PRACTICAL

1. To find the PH of the following samples by using PH paper / universal Indicator.
2. To study the properties of acids and bases (dil. HCl and dil. NaOH) by their reaction with : (a) Litmus solution (b) Zinc metal (c) solid sodium carbonate.
3. To perform and observe the following reactions and classify their ratio :- (a) Combination reaction, (b) Decomposition reaction, (c) Displacement reaction, (d) Double displacement reaction.
4. To observe the action of Zn, Fe, Cu and Al metals on the following salt solutions : (a) $ZnSO_4$, (b) $FeSO_4$, (c) $CuSO_4$, (d) $Al_2(SO_4)_3$.
5. To study the properties of CH_3COOH during its preparation and reactions.
6. To study saponification reaction for preparation of Soap.
7. To study the comparative cleaning capacity of a sample of soap in soft and hard water.

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SYLLABUS FOR THE SESSION : 2023-2024

CLASS : X SUBJECT :- Biology BOOK'S NAME : NCERT

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	1. Life Process 1. Nutrition. 2. REspiration	Nutrition in Plants, Animal & Human Beings. Respiration in plant & Animal.	Make a model of digestive system of Man.
MAY - JUNE	3. Transportation 4. Excretion.	Transportation in plant, Circulatory system of Man Excretion in plant, Animal and Man	Do an activity to show that xylem conduct water in plants.
JULY	2. Control and coordination	co-ordiantion is plant Tro- pism, Plant Hormones.	Make a model of stethoscope.
AUGUST	Control and coordiantion * Endocrine system.	Nervour system of man * Different type of endocrine gland.	Make a model of Neuron. * Make a model to show all the enclarine glands and their position in body.

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	<ul style="list-style-type: none"> * How do organism Reproduce * Asexual Reproduction 	<ul style="list-style-type: none"> * Types of reproduction. * Reproduction in Plants. * Asexual Reproduction * Sexual. 	Try to do some methods of Artificial vegetative propagation method in plant at home.
OCTOBER	Sexual Reproduction <ul style="list-style-type: none"> * Management of Natural Resource 	<ul style="list-style-type: none"> * Sexual Reproduction in Man. Reproductive Health * Carbon cycle 	Do a campaign on family planning. <ul style="list-style-type: none"> * Prepare a chart on carbon cycle.
NOVEMBER	<ul style="list-style-type: none"> * Heredity and Evolution 	<ul style="list-style-type: none"> * Heredity * Variation * Mendel Experiment. 	Write a chart to show transmission of character upto a successive generation.
DEC.-JANUARY	Heredity and Evolution <ul style="list-style-type: none"> * Our Environment 	<ul style="list-style-type: none"> * Sex determination in Human * Ozone depletion 	Collect some specimen of fossil. <ul style="list-style-type: none"> * Prepare a chart of 5 R
FEBRUARY-MARCH	Revision	Board Exam preparation	Revision

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SYLLABUS FOR THE SESSION : 2023-2024

NCERT (Indian and the
contemporary worlds-II

CLASS : X SUBJECT :- History BOOK'S NAME :
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MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	The Rise of Nationalism in Europe	<ul style="list-style-type: none"> * The french Revolution and Idea of nation. * The makin of Nationalism in Europe. * The age of Revolution 	* Find out anticolonial movement in otehr countreis and contrast with India.
MAY - JUNE	The Rise of Nationalism in Europe	* Unification of Italy & Germany, Bismark Vienna congress. Visulization of nationala nd Imperialism.	* Make a chart about unification write details about.
JULY	Nationalism in India	* The first world war, khilafat Non-cooperation, The Rowlat Act, Civil disobedience Movement.	* Collect information about civil disobedience and its import of India Politics and throug process of britishers.
AUGUST	Nationalism in India	Towards civil disobedience the sence of collective belonging and about National flag.	List the sybols of national Anthem Images of country.

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	Print Culture	Religious debates, Print and culture Important newspaper, Publication, Indian world of print; consorship and french Revolution.	Find out the different Printing technologies from AD594, Write important changes.
OCTOBER	Print Culture	The first printed books, print comes in Europe, the Print Revolution and its Import	
NOVEMBER	The age of Industrialization	Industrial Revolution, factors face of Industrial change steam Power, Effect of Industrial Revolution.	Select any one industry in your region and find out its history. How the technologies has changed ? labour forces inflow place.
DEC.-JANUARY	The age of Industrialization	Life of worker, the age of Indian textile import on weaver after the invation of technologes	Role of Print culture in french Revolution and its consequences indifferent spectrums.
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SYLLABUS FOR THE SESSION : 2023-2024

CLASS : X SUBJECT :- Civics BOOK'S NAME : NCERT

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	Power Sharing	Belgium & Srilanka, why Power sharing, form of power sharing.	* Collect information about different ethnic group of Belgium.
MAY - JUNE	Federalism	meaning of Federalism, lists of conctitution, How is federalism practiced.	Make the list of items Included.
JULY	Revision Power sharing and Federalism		
AUGUST	Gender, Religiional caste	Gender Religion caste & Politics, Communalism	Report on threat of communalis for national integrity.

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER			
OCTOBER	Political parties	Function of Political parties National Religions parties.	make list of important Political parties in different states
NOVEMBER	Out comes Democracy	Democracy as Accountant Responsible and legimali govt.	Quiz
DEC.-JANUARY	Democracy	Foundational, expansional and Deeping challenges.	Quiz
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SYLLABUS FOR THE SESSION : 2023-2024

CLASS :^X..... SUBJECT :- Geography BOOK'S NAME : NCERT

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	Resources and development	Type of resource sustainable development.	On the map of India locate the various type of soil and colour than
MAY - JUNE	Resources and development.	Resource planning Type of soil Soil erosion and conservation	Make pie chart of land distribution for various purpose.
JULY	Forest and wild life.	* Conservation of forest and wild life in. * India Types and distribution of forest.	Make a chart about different type of for with picture
AUGUST	Water Resources	Multipurpose Project	Making the list of river Project in India.

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	Agriculture	Type of formal Cropping Pattern food securities	Make list about different type crops
OCTOBER	Mineral & Energy	Type of mineral conservation fo mineral. * Energy Resources	Project through map and Loeled agro based Industry and mineral based. industry.
NOVEMBER	Manufacturing Industry	* Importance of Industry * Type of Industry	Make a Report about manufacturing Industry in India
DEC.-JANUARY	Live lives of national Economy	Means of Transport Road was, Railway, Airlines, Sea roate & ports, Pipelines	Make important ports of India on an outline maps.
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SYLLABUS FOR THE SESSION : 2023-2024

CLASS : X SUBJECT :- Economics BOOK'S NAME : NCERT

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	Development	Different people different goals, Income and other goal nationd development Public facilities, HDR	Make a Airport about teh develop-ment of your region prepare a wan chart giving reasons about idea that should do.
MAY - JUNE	Sector of the Economy	Primary, Secondary, 7 Ter-tiary sector, comparisons of three sector.	Make a report about MNREGA-2005
JULY	Sector of the Economy	Role of sector in GDP and employment How to create more employment organized & unorganized sector.	Lists activities relation to primary, secondary and tertiary sector.
AUGUST	Money & Credit	Barter system Modern forms of money Term of credit.	Make a list of all the nationalited bank of the India Along with their chairman.

MONTHS	CHAPTER 'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	Money & Credit	Formal and Informaed sector SHG	Quiz
OCTOBER	Globalization, and The Indian Economy	MNC, Libralization NEP privalitation foriegin Trade, competition.	Take some brandes Products that we use everyday cheak which of these are produced by MNCs
NOVEMBER	To be used only for works project	Consumes movement Right of consumer method toe xploit a consumer	Interview 4-5 persons in your neighbourhood and collected various experiance regarding how they have been victim of such exploitation
DEC.-JANUARY			
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SYLLABUS FOR THE SESSION : 2023-2024

CLASS : X SUBJECT :- Artificial Intelligence BOOK'S NAME :

MONTHS	CHAPTER'S / TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
APRIL	Unit-1 (Part-A) Communication Skills-II	1. Various Methods of communication 2. Providing and Receiving feedback. 3. Communication Barries and its measures 4. Principals of Effective communication 4. Basic writing skills	* Describe any 7 Cs of effective communication. To write an essay about your school, which basic writing skills would you apply ?
MAY - JUNE	Unit-2 Self Management Skills-II	1. Stress and Its effects 2. Stress management techniques 3. Ability tow ork Independently	How can we say taht one is self aware ? explain two types of self awareness
JULY	UNit-3 ICT Skills-II	1. Operating system & Basic file or folder operations. 2. Apply basic skills for care and maintenance of computer 3. Computer security & viruses.	* How is a file different from a folder ? * List 3 types of viruses.
AUGUST	Unit-4 Enterpreneurial skills-II	1. Characteristics of an Entrepreneur 2. Role and significance of an entrepreneur 3. Myths Related to entrepreneurship 4. Enterpreneurship as A career option	Write a brief note on how entrepreneurship can be a good carrer option.

MONTHS	CHAPTER'S/TOPIC	SUB. TOPIC	ACTIVITY / PROJECT
SEPTEMBER	Green Skills-II	1. Understanding sustainable Development. 2. Importance of sustainable development. 3. Sustainable development challenges and solution.	What are the common modern problems which stand as a challenge in the way of sustainable development.
OCTOBER	Introduction to Artificial Intelligence (AI)	* foundational concepts of AI * Basics of AI let's get started	Decision Making * How do you make decisions * Make your choices. * Applications of AI A Look at Real life AI Implementations
NOVEMBER	AI Project Cycle	Introduction problem scoping Data Acquisition Data Exploration Modelling evaluation	* Simplifying Data Acquisition. * Visualising Data
DEC.-JANUARY	Natural Language processing	Introduction Chatbots language differences Concepts of Natural Language Processing	* NLP Application * Human Language Vs Computer Language
FEBRUARY-MARCH	Evaluation	Introduction confusion Matrix Evaluation score calculation.	* Confusion Matrix * Practice Evaluation.