

Annual Curriculum (2023-24) GRADE - X SUBJECT- ENGLSH

Book prescribed :

Month Topic	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
Chapte LETTE GOD DUST (-	 To enable the students: To develop their Basic skills of language - listening, speaking, reading and writing. To understand the plot and character of the story. To enjoy and appreciate the story and the use of language. To puzzle out the meaning of some unfamiliar words n the story. To become aware of the theme and emotions. To understand the importance of faith To lend a helping hand tothe needy. To engage them in learning and recognizing the multilingualism of everyday 	Activity (To introduce the lesson): - Story prediction based on thetitle of the story (Guess the theme given in the story based on the title). -We communicate with our friends, teachers, relatives, and superiors verbally or through letters, emails, etc. We can't communicate with any mortalusing our mind. On the contrary, we convey our thoughts with God mentally, not through letters or mails. Share your views regarding the same. - Class Discussion: Have there been times when you felt depressed or hopeless? Have you experienced any moment that helped you to get out of that mood of sadness?	Brainstorming, Collaborative, critical thinking Smart board illustration and discussion method	Students will be able to:- To understand the plotand character of the storyTo enjoy and appreciate the story and the use of languageTo puzzle out the meaning of some unfamiliar words in the storyTo become aware of the theme and emotionsTo understand the importance of faith -To believe that faith can move mountains-To develop such a faith in them that boosts their confidence in themTo encourage them to develop faith in themselves.know about symbolism - identify the poetic

	A Triumph of Surgery Writing Skill Formal Letter (Letter to Editor)	experienceTo make students understandthe thought and imagination contained in the poem. -To make students think about different human emotions and their effects. -To inspire them write their feelings in the form of short poems. -To develop their imagination skills	What is the rhyme scheme of the poem? How does it help in bringing out the contrasting ideas in the poem? Do you think there are parents like Mr. Pumphrey? This episode describes the silly behaviour of a rich woman who is foolishly indulgent, perhaps because she is lonely. Do you think such people are merely silly, or can their actions cause harm to others?	to familiarise the students with format, samples and practice worksheet	devices used in the poem -admire and observe nature's small incidents -understand the thought and imagination containedin the poem. -understand that dog is themost faithful pet. -understand that declined health was the outcome of Mrs Pumphrey's over- caring nature. -understand the pompous nature of the rich.
May	Flight Two Stories about Flying (His First Flight, The Black Aeroplane) Poetry	To enable the students- -To Express effectively -To share ideas - To develop appropriate style of writing. - To write effectively - To Differentiate the style of expressing different writing skills -To know the purpose and importance of writing short and long Compositions -To enable the students to understand the importance of freedom. -To enable the students to	Are zoos necessary for the protection or conversation of some species of	Familiarize the students with different formats of the writing skills Model exercise of each writing skill will be given	 -To share ideas - To develop appropriate style of writing. - To write effectively - To Differentiate the style of expressing different writing skills -To know the purpose and importance of writing short and long compositions - to practically make use of writing skills -To understand that all animals will be happy only in their natural habitat. -To understand the

	a				
	A Tiger in the zoo	understand the dangers of	animals? Are they useful for		responsibility of present
		deforestation and blessings	educating the public? Are there		generation in preserving
	How to tell wild	of forestation.	alternatives tozoo?		the environment and earth.
	animals.	-To enable the students to			-To enable the students to
	Footprints without	understand that all animals	Do you think people like Anil and		learn to recite poem with
	Feet The	will be happy only in their	Hari Singh are found only in		proper intonation and
	Thief's story	natural habitat.	fiction, or are there such people in		rhythm.
	Writing Skill	-To enable the students to	real life? Share your views.		-To stir their thinking.
			rear met share your views.		To help them arrive at a
		To understand the two	De versthigt e human hehr else finde		conclusion if an aeroplane
		different characters i.e.	Do you think a human baby also finds		can fly and land safely
		Anil & Hari Singh	it a challenge to take its firststeps?		even in an odd condition
		-To get enjoyment through			as mentioned in the
		reading the lesson.			lesson.
		To appreciate/comprehend		Practice exercise	-To enable the students
	Formal Letter	the text		of each writing	share their personal
	(Complaint)			-	experiences.
	Grammar			skill will be given	÷
	Modals				-To enable them express
					themselves
July	Flight	get to know about the			
	From the Diary of	nostalgic childhood			To critically think about
	Anne Frank	memories	Do you read novels? Specify the		identity
		-understand the record of	genre-mystery, horror, fiction,		-To empathize and
		monthly accounts by the	romance, adventure etc.	Discussion	relateto Anne Frank
		bakers of Goa.			-To understand the
	Glimpses of India	- make them aware of the		explanation	importance of
		people of Coorg.	Who is your favourite authorand		teacher
	(A Baker from Goa,	- tell them about its	why?		-To understand
	Coorg, Tea from	location, historical		Power Point	childpsychology
	Assam)	background, climate etc.		Presentation,	-To understand
		- know about its famous			studentteacher
		tourist spot and		RTC	relationship
		destinations.			
		To enable the students to			
		share their personal			
		1			appreciate the old
		experiences -To enable the learners to	A Video will be shown on		methods of baking
		- 10 enable the learners to			methods of baking

	Footprints without Feet The Midnight Visitors A Question of Trust, Writing Skill Formal Letter (inquiry) Grammar Subject-verb agreement, Determiners	extrapolate from the given text. -To sensitise the students to the feeling on an individual To make them realise that we should not harm anyone for our own benefit. -To enable the students to use new words and phrases of English. To Express effectively -To share ideas -To develop appropriate style of writing. -To write effectively - To differentiate the style of expressing different writing skills	 _Bakers of Goa' A Video on Coorg will be shown to the students Rajvir was so excited to visit sam that he studied many things out the place before visiting. Do you try to gather knowledge before going anywhere? Thief is not the one who steals, but the one that is caught. What do you understand by this proverb? Model exercise of each writing skill will be given Practice exercise of each writing skill will be given 	Smart board lecture and discussion method Brainstorming , Collaborative, critical thinking	breadin Goa. -respect traditions. -respect values, beliefs andcustoms of others -develop their imaginative and analytical skills. -gain knowledge of the attractions of Coorg. understand that the tea pluckers are different fromother farm labourers. -gain information of the various stages of growing tea.
August	Flight Mijbil the Otter Madam Rides the	 learn about phrases that indicate a particular quantity of something that is not usually countable read and identify the main points of the text. use new words and their meanings- 	Discussion about Bruno in their previous class IX lesson _The Bond of Love' relatingto this lesson. discussion abouta journey that	Discussion explanation	learn about phrases that indicate a particular quantity of something thatis not usually countable. - read and identify the main points of the text. - use new words and theirmeanings. - comprehend the chapter
	Bus	extrapolate from the given	was unforgettable in some way?		-Empathize with animals

	text.	What made it memorable?		- Learn to take care
	-To enable the students to	what made it memorable?		aboutanimals
Poetry The Ball Poem,	think of an alternative ending to the story.			feel sensitive towards the feelings of an individual.
Amanda	-understand that learners can get knowledge of various stage, species and growth of butterflies.	: How can one become a scientist, an economist, a	Power Point Presentation,	-enjoy a light- heartedliterature. -realise the lessons and experiences that travelling gives us
Footprints without Feet	-analyse that the learners can get ample knowledge about the theory of cell.	historian? Does it simply involve reading many books on	RTC	know the importance of gathering information.
The Making of a Scientist	-analyse that Richrad Ebright was multi talented and used to put extra effort in his work -evaluate that Ebrights'	the subject? Does it involve observing, thinking and doing experiments?		-analyse that the brain processes the informationthat affects the degree of learning. -understand that the first and foremost criteria
Grammar Reported speech	works were directly related to Biology and discovery of cell's structure helped the scientific community to	Students Involvement in explanation of the certain concepts by asking them toframe		tobecome a genius in one's chosen
Writing Skill	understand how the organisms function and grow.	questions and givinganswers -Model exercise of eachtopic		use of important rules -application of knowledge -Express effectively
Analytical Paragraph	application of knowledge	will be given		-develop appropriate styleof writing. -write
Formal Letter (Placing Order)	-Express effectively -develop appropriate style of writing. -write grammatically correct sentences. -will be able to apply the rules of grammar	-Practice exercise of eachtopic will be given		grammatically correct sentences. -will be able to apply therules of grammar -write effectively with appropriate expressions,vocabulary and content

Septembe r	TERM 1	 To enable the students have spiritual outlook. To enable them express themselves in 	Do you think Buddha's ideas and way of teaching continue to hold		 To enable the learners extrapolate from the giventext. To sensitise the students to the fact that death is
	Flight The Sermon at Banaras,	grammatically correct language. - To enable the learners extrapolate from the given text. -To sensitise the students to	meaning for us? Or have we found better ways to deal with grief? Discuss this in groupsor in class.	Smart board lecture and	to the fact that death is theultimate truth in the world. -To enable them use new words and phrases in theirown language.
	Poetry The Trees, Fog	the fact that death is the ultimate truth in the world.To enable them use new words and phrases in their own language.		discussion method	-To help them know thatnothing is permanent. Everything is subject to decay. All human
	Footprints without Feet	-To help them know that nothing is permanent. To explain the importance of emotional	Discussion- Do you thinkgirl children are not treatedat par with boys?	Brainstorming ,	beingsare mortals. And mortalsare bound to die.
	The Necklace, Bholi	security and family support for children. -To indicate the need of love, encouragement and education for the disabled	You noticed your younger brother mimicking his friend (who limps) and making fun of him. Is it justifiable on his part to do	Collaborative,	know that satisfaction
		to fight against their odds. -To demonstrate the use of simple past and past perfect tense in speech andwriting. To stuff moral values in the students such as dowry	What would you look for when you are invited for a party by a high classsociety?	critical thinking	leads to contentment which is a key to happiness. - understand that acceptance of mistake
		is a social abuse, any disabled should not be made fun of etc. To enjoy and appreciate the stories giving lessonsof life	-Are dresses and accessories the priority of such parties?		will make the life easier in contrast to hiding the truth and paying for it later/or ruining your inner peace

		-To understand _Honesty is the best policy' -To understand that Youmay pay a terrible price for greed and desire			- enjoy and appreciate the stories giving lessons of life
October	The Proposal, Poetry The Tale of Custard the Dragon For Anne Gregory	To help them differentiate between internal and external conflict. -To help them identify the different types of conflict within the story. -To help them articulate the necessity of conflict within the text. To make them aware of the Russian Wedding custom and culture -To explain the importance of emotional security and family support for children.	Anger Management: As adults, one important thing to learn is how to manage our temper. Some of us tend to get angry quickly, while others remain calm. Can you think of three ill effects that result from anger? Suggest ways to avoidlosing your temper in such situations. Are there anybenefits from anger?	Role play Smart board lecture and discussion method Brainstorming , Collaborative,	To help them differentiatebetween internal and external conflict. -To help them identify thedifferent types of conflict within the story. -To help them articulate the necessity of conflict within the text. -To appreciate/ comprehend the text. -To express themselves ingrammatically correct language.
		 To indicate the need of love, encouragement and education for the disabled to fight against their odds. To demonstrate the use of simple past and past perfect tense in speech andwriting. 	You noticed your younger brother mimicking his friend (who limps) and making fun of him. Is it justifiable on his part to do Do you think books are being	critical thinkin	To make them aware of the Russian Wedding custom and culture To identify the poetic devices like metaphor, alliteration etc.,
	Footprints without Feet	To introduce the conceptof Aliens, Martians. -To help the students think	replaced by the electronic media?		-To know about the rhymescheme used in the poem

	The Book that saved	£-4		
		futuristically.	Can wedo away with books	To sensitize the students
	the Earth	-To introduce the main	altogether?	to the importance of
		ideas of a play.		education.
		-To enable the students to		-To explain the
		understand the plot and		importanceof emotional
		characters and sequence of		security and family
		incidents in the play.		support for children.
				-To indicate the need
				of love,
		To make study of their own		encouragement and
		personality.		education for the
		-To infer the meaning of		disabledto fight
		unfamiliar words and		against their odds
		phrases.		against then olds
		-To identify the poetic		
		devices like metaphor,		To introduce the main
		1 /		
		alliteration etc.,		ideas of a play.
		-To know about the rhyme	Never judge a book by its cover.	-To enable the students to
	PRE-BOARD 1	scheme used in the poem	What do youunderstand by this?	understand the plot and
				characters and sequence
				ofincidents in the play.
Novembe	PRE-BOARD 2			
r				
December	PRE-BOARD 3			
January	PRE-BOARD 4			
January				
February	PRE-BOARD 5			

WeeklyTest 1	Wee	kly Test 2		
Reading passage(unseen	passages) Read	ing passage(unseen pas	ssages)	
Literature	Liter	ature		
Ch 1 Letter to God	Ch-2	,3		
Grammar	Poer	n – 1,2,3		
Tenses	Gran	nmar		
Writing skills	Mod	als		
Formal Letter to Editor	Writ	ng skills		
	Com	olaint Letter		
WeeklyTest 3	Wee	kly Test 4		
Reading passage(unseen	passages) Read	Reading passage(unseen passages)		
Literature	Liter	ature		
FF Glimpses of India	FF	The Sermon at Bar	naras,	
(A Baker from Goa, Co	org, Tea from Assam) Poet	ry The Trees,	Fog	
Poetry A Tiger in	the zoo FW F	The Necklace,	Bholi	
How to te	ll wild animals. Gran	nmar		
FWF The Sermon at Ban	iaras Integ	rated Grammar		
Grammar		Writing skills		
Integrated Grammar		Complaint Letter		
Writing skills		ng Order		
Formal Letter to Editor				
Analytical Paragraph				

Term 1	PRE BOARD 1-5
Reading passage(unseen passages)	
Literature	Reading passage(unseen passages)
FWF – Midnight Visitor, A Question of Trust,	Literature
Footprints without feet	FF - all chapters
The Making of a Scientist	
FF – From the diary of Anne Frank	FWF- all Chapters
Glimpses of India, Mijbil the Otter	Grammar
Madam rides the Bus	Integrated Grammar
Poem – 4,5,6	Writing skills
Grammar	Formal Letter, Analytical Paragrah
Integrated Grammar	
Writing skills	
Inquiry Letter, Placing Order	
Analytical Paragraph	



Annual Curriculum (2023-24) GRADE - X

SUBJECT- MATHS

Book prescribe

Month			Art Intergrational / Experiental Learning	Methodology of teaching /Art of teaching	Learning Outcome
March	Ch - 1 Real Numbers	Students will be able	Art integrated activity using daily life examples .	YouTube link will be shared	Students will be able
		1.To recall numbers system.			To understand about real number and method to find HCF and LCM of given numbers.
		2. To find the HCF and LCM of given numbers			
		3. To prove a given number is rational or irrational .			
April	Ch - 2 Polynomials	Students will be able	Art integrated activity using daily life examples .	YouTube link will be shared	Student will be able
		1. To know about zeroes of quadratic polynomial and it relationships with cofficients			To understand the zeroes of quadratic polynomial and it relationships with cofficients
	Ch -3 Linear equations in	Students will be able	Art integrated activity using graph paper .	YouTube link will be shared	Students will be able
	two variables				

		To know the different method of solving linear equations in two variables graphically and algebrically			To solve linear equations in two variables graphically and algebrically
	WEEKLY TEST - 1 SYLLABUS				
	CH - 1 AND 2				
Мау		Student will be able	Art intergrated activity using daily life examples	YouTube link will be shared	Student will be able
	CH - 4 Quadratic Equations	1. To know about the zeroes of a quadratic polynomial			To find the zeroes of quadratic polynomial and also
		2. To know about the condition whether roots are real or not			will be able to know the condition that root will be real or not
	Ch - 6 Triangles	Student will be able	Art intergrated activity using graph paper and board	YouTube link will be shared	Student will be able
		1. To know about the criteria of simmilarity of Two Triangles			To solve the problems related to simmilarity of an triangle , BPT and Pythagoras Therom.
		2. To know about the basic proportionality therom and its applications,			
July	Ch - 5 Arithmetic progression	Student will be able	Art intergrated activity using daily life examples	YouTube link will be shared	Student will be able
		1.To know about the nth term of an AP and its Common Difference			To find the nth term of an AP and about the sum of n term of an AP

		2. To know about the sum of n term of an AP			
	Ch - 7 Coordinate Geometry	Student will be able	Art intergrated activity using graph and daily life examples.	YouTube link will be shared	Student will be able
		To know about the distance formula and the section formula.			To slove the problem related to distance formula and section formula.
	Ch-8 Introduction to Trignometry	Student will be able	Art intergrated activity using daily life examples.	YouTube link will be shared	Student will be able
		To know about trignometric funtions and its identities			To solve the problem related to trignometric funtions and its identities
August	Ch - 9 Some applications of Trignometry	Students will be able	Art intergrated activity using daily life examples.	YouTube link will be shared	Students will be able
		To know about the application of trignometry , angle of elevation and angle of depression			To solve the problem related to application of trignometry, angle of elevation and angle of depression
	Ch - 10 Circle	Students will be able	Art intergrated activity using daily life examples.	YouTube link will be shared	Students will be able
		To know about the Tangent and Secants of a Circle			To find the length of tangent drawn from an external point.
September	Ch - 15 Probability	Student will be able	Art intergrated activity using daily life examples	YouTube link will be shared	Student will be able
		To know about the concept of probability , tossing of coin , throwing of dice			To find the probability of getting head or tail on an coin and

					getting different number on dice
	Revision + First Term Exam				
October	Ch - 12 Area related to Circle	Student will be able	Art intergrated activity using daily life examples	YouTube link will be shared	Student will be able
		To know about the area of secotr and area of segment			To find the area of sector and area of segment
	Ch - 13 Surface Area and Volume	Student will be able	Art intergrated activity using 3-D figures.	YouTube link will be shared	Student will be able
		To know about Total Surface Area , Curved Surface Area and Volumes of Combination of 3-D figures			To find the TSA , CSA and Volumes of combinaion of figures.
November	Ch - 14 Statistics	Student will be able	Art intergrated activity using daily life examples	YouTube link will be shared	Student will be able
		To know about the mean , median and mode of a given Data.			To find mean , median and mode of the given data
		Revision + First Pre – I	Board		
December	Revision + Second Pre – Board				
January	Revision + Third Pre – Board				
February	Revision + Fourth Pre – Board				
March	Revision + Fifth Pre – Board				
Weekly Test	Chapter 1 and 2				
Term - 1 , Exam	Syllabus				
	Ch - 1,2,3,4,5,6,7,8,9,10				
First Pre - Board	1,2,3,4,5,6,7,8,9,10,12 and 13				
Second Pre - Board	Complete Syllabus				
Third Pre - Board	Complete Syllabus				
Fourth Pre - Board	Complete Syllabus				
Fifth Pre - Board	Complete Syllabus				



Annual Curriculum (2023-24)

GRADE - X

SUBJECT- ARTIFICIAL INTELLIGENCE

Book prescribed: Artificial Intelligence (Kips Publication)

Month	Торіс	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of Teaching	Learning Outcome
April	 Part A Unit I Communication Skills Ch 1 Methods of Communication Ch 2 Communication Cycle Ch 3 Communication Barriers Ch 4 Effective Communication Ch 5 Basic Writing Skills Unit II Self Management Skills Ch 6 Stress Management and its Techniques Ch 7 Ability to Work Independently 	To know and discuss about Communication Skills, Self- Management Skills	Make a poster on 7Cs of Effective Communication OR Make a PPT on Basic Writing Skills OR Stress Management Techniques	Interactive, demonstrative and Practical Method	Students will be able to know and discuss about Communication Skills and Self-management Skills
May	Unit III Information and Communication Technology Skills Ch 8 Operating Systems Ch 9 Managing Files and Folders Ch 10 Care and Maintenance of Computer Unit IV Entrepreneurial Skills Ch 11 Entrepreneur and Entrepreneurship	To know and understand about Information and Communication Technology Skills, Entrepreneurial Skills and SDGs	Make a Poster or Video Presentation On OS/ Care of Computer/ Entrepreneur Skills Make a Poster on any of	Interactive, demonstrative and Practical Method	Students will be able to know and understand about Information and Communication Technology Skills, Entrepreneurial Skills and SDGs

	Unit V Green Skills Ch 12 Sustainable Development Part B Unit I Introduction To AI		the SDGs		
July	Unit II AI Project Cycle Unit III Advance Python	To know and understand about AI Project Cycle And Python	Python Programming	Interactive, demonstrative and Practical Method	Students will be able to know and understand about AI Project Cycle And Python
August	Unit III Advance Python Unit IV Data Science Unit V Computer Vision	To know and understand about Python, Data Science and Computer Vision	Al Project	Interactive, demonstrative and Practical Method	Students will be able to know and understand about Python, Data Science and Computer Vision
September	Revision				
October	Unit VI Natural Language Processing Unit VII Evaluation	To know and understand about AI Project Cycle	Al Project	Interactive, demonstrative and Practical Method	Students will be able to know and understand about AI Project Cycle
November	Revision				
December	Revision				
January	Revision				
February	Revision				

Weekly Test 1: Part A Unit 1, 2

Weekly Test 2: Part A Unit 3,4,5

Half Yearly : Part A-Unit 1,2,3,4,5 and Part B Unit 1,2,3,4

- Pre Board 1: Part A Unit 1,2,3,4,5 Part B 1,2,3,4,5,6,7
- Pre Board 2 Part A Unit 1,2,3,4,5 Part B 1,2,3,4,5,6,7
- Pre Board 3 Part A Unit 1,2,3,4,5 Part B 1,2,3,4,5,6,7
- Pre Board 4 Part A Unit 1,2,3,4,5 Part B 1,2,3,4,5,6,7
- Pre Board 5 Part A Unit 1,2,3,4,5 Part B 1,2,3,4,5,6,7



Annual Curriculum (2023-24) GRADE - X SUBJECT- SCIENCE

Book prescribed :NCERT-SCIENCE.

:NCERT EXEMPLER

:LAB MANUAL- COMPREHENSIVE

Month	Торіс	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
March	Ch-1 Chemical Reactions and Equations	Students will be able to : Define a chemical reaction; identify the different types of chemical reaction; explain each types ofchemical reactions; and give examples of chemical reaction they encounter everyday.	Science Lab Activities – To perform and observe the following reactions and classify them into: (i) Combination reaction (ii) Decomposition reaction (iii) Displacement reaction (iv) (iv) Double displacement reaction 1) Action of water on quick lime 2) Action of heat on ferrous sulphate crystals 3) Iron nails kept in copper sulphate solution. 4) Reaction between sodium sulphate and barium chloride solutions	Lecture method , Inquiry based learning, Animated images, Ray diagram .	Most of the Students were able to: Define a chemical reaction; identify the different types of chemical reaction; explain each types of chemical reactions; and give examples of chemical reaction they encounter everyday.

April	Ch-10 Electricity (Continued) Ch-10 Electricity	Students will be able to : make concept of Electric field, Electric potential, Electric Potential Difference and OHM's Law Students will be able to : Recall S I unit of physical quantities used. learn formula used. draw different electric symbols and electric circuits. solve numerical problem given in the text book and assignments	 i) To observe the action of Zn, Fe, Cu and Al metals on the following salt solutions: ZnSO₄ (aq) FeSO₄ (aq) Al₂ (SO₄)₃ (aq) ii) Arrange Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result. To study the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plot a graph between V and I. To determine the equivalent resistance of two resistors when connected in series and parallels 	Lecture method , Inquiry based learning, Animated images, Ray diagram . Lecture method , Inquiry based learning, Animated images, Ray diagram .	Most of the Students were able to: make concept of Electric field, Electric potential, Electric Potential Difference and OHM's Law Most of the Students were able to
	Ch-6 Life Processes (Continued)	Students will be able to : describe the various life processes present in plants and animals and can explain the various steps	To prepare a temporary mount of a leaf peel to show stomata. To show experimentally that carbon dioxide is given out during respiration.	Lecture method , Inquiry based learning, Animated images, Ray diagram ,Labeled diagram will be shown.	Most of the Students were able to: describe the various life processes present in plants and animals and can explain the

		involved in these processes and can draw the diagrams of various systems.			various steps involved in these processes and can draw the diagrams of various systems.
May	Ch-6 Life Processes	Students will be able to Develop citizenship by visualizing and observing the given scenario(High B.P, Heart Failure, Kidney failure) in day to day lives and present it in form of a skit to sensitize others	ART INTEGRATED PROJECT Students will be asked to prepare project of different system by usijng clay, straw .wool etc	Lecture method , Inquiry based learning, Animated images, Ray diagram ,Labeled diagram will be shown.	 KNOWLEDGE- Students will know and understand Appreciate the importance of different organs present in various systems and how effectively they collaborate with each other so that different systems can work effectively. Use analytical skills to visualize the given scenario and use the concepts learnt in everyday problems like what is the relationship between life style and blood pressure etc SkilLS- Students would be able to Design Creative methods/techniques to bring a positive change in the life styles in themselves and others as to prevent the various diseases related to various system. Answer knowledge, understanding, application and diagrammatic skill based questions based on the topic.
	Ch-2 Acids, Bases and Salts	Students will be able to: Understand the pH scale. Differentiate between acids and bases. Identify properties of acids and bases. Identify	To find the pH of the following samples by using pH paper/universal indicator: a) Dilute Hydrochloric Acid b) Dilute NaOH solution c) Dilute Ethanoic Acid		Most of the Students were able to: Understand the pH scale. Differentiate between

		household as acidic or basic based on their properties.	solution d) Lemon juice e) Water Dilute Sodium Bicarbonate solution. To study the properties of acids and bases (HCl&NaOH) by their reaction with: a) Litmus solution (Blue/Red) b) Zinc metal Solid sodium carbonate.		acids and bases. Identify properties of acids and bases. Identify household as acidic or basic based on their properties.
	Ch-8 Reflection of light	the learners will be able to Basic concept of light and its properties Concept of concept of reflection of light and laws of reflection of light. Concept of mirrors-plane mirror, concave mirror and convex mirror and related terms Textbook Numerical problems related to the topic			Students would be able to: Basic concept of light and its properties Concept of concept of reflection of light and laws of reflection of light. Concept of mirrors- plane mirror, concave mirror and convex mirror and related terms Textbook Numerical problems related to the topic
July	Ch-8 Refraction of light	the learners will be able to: the law of reflection, Snell's law verify for refraction and to experimentally determine the index of refraction for glass and water.	To determine the focal length of:i) Concave mirror ii) Convex lens by obtaining the image of a distant object. To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result To find the image distance for varying object distances in	Daily Practice Problem MCQ Assignment (Worksheet) Student -teacher interaction, web chart, flow chart and differentiation table,	Students would be able to: the law of reflection, Snell's law verify for refraction and to experimentally determine the index of refraction for glass and water.

		case of a convex lens and draw corresponding ray diagrams to show the nature of image formed.		
		ART INTEGRATED PROJECT Students will be asked to draw ray diagram of images of objects kept in different location of mirror and lens		
Ch- Metals And Non- Metals	 the learners will be able to compare the physical properties of metals and nonmetals using a compare – contrast matrix with 100 % accuracy. Answer questions based on the chemical properties of metals with 90% accuracy. Describe the steps involved in metallurgy of metals based on their reactivity and answer the questions on the same with 95% accuracy. 	Students will be asked to draw colourful molecular structure of reaction of metals and nonmetals. They will be asked to draw the colourful Periodic time-table. They will be asked to draw atom and ions to show electronic configuration. They will be asked to draw flow diagram of metullergy process, contrasting table of Physical and Chemical Properties of Metals and Non Metlals	Lecture method , Inquiry based learning, Animated images, Ray diagram ,Labeled diagram will be shown.	Most of the Students were able to: . Critically analyse and Compare the physical properties of metals and nonmetals using compare - contrast matrix. 2. Interact with peers and compare chemical properties metals and non metals and write equations for chemical reactions

August	Ch- Control and Co- ordination	to: recognize that an electric current in a wire will produce a magnetic field around the wire, recognize that the larger the electric current in the wire, the stronger the magnetic field produced, recognize and draw the shape of the magnetic field lines of the magnetic field produced by a current- carrying wire,	Activity is conducted to show magnetic field lines by using i) Iron sprinkler ii) Magnetic Compass	Lecture method , Inquiry based learning, Model of brain will be shown to show the different parts of it. Animated images, Ray diagram ,Labeled diagram will be shown Lecture method , Inquiry based learning, Animated images	Most of the Students were able to Recall the term and understand the importance of Control Co- ordonation . Analyse between the nervous co-ordination and chemical co- ordination in animals. Analyse the different parts of human Brain and their functions Understand and analyse the mechanism of chemical co- ordination in plants. Most of the Students were able to: recognize that an electric current in a wire will produce a magnetic field around the wire, recognize that the larger the electric current in the wire, the stronger the magnetic field produced, recognize and draw the shape of the magnetic field produced by a current-carrying wire.
September	Ch-13Magnetic effects of electric current	the learners will be able to identify the direction of the magnetic field near to a current-carrying wire,			Most of the Students were able to: identify the direction of the magnetic field near to a

	state what a solenoid is, recognize that the magnetic field produced by a solenoid can be increased in strength by adding a core of a magnetic material.			current-carrying wire, state what a solenoid is, recognize that the magnetic field produced by a solenoid can be increased in strength by adding a core of a magnetic material.
Ch- 8 How do organisms Reproduce	the learners will be able to: aware the different parts of organisms related to reproduction.Types of reproduction.To develop the inter disciplinary approach for study in different subjects.To enable the students to know about asexual reproduction in organismTo know different modes of asexual reproductionTo get the students aware about different parts of a plant which take part in asexual reproduction.	To study (a) binary fission in Amoeba, and (b) budding in yeast with the help of prepared slides. To identify the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).	Lecture method Inquiry based learning, Permanent Slides of amoeba and Hydra will be shown. Animated images, Ray diagram ,Labeled diagram will be shown.	Most of the Students were able to: aware the different parts of organisms related to reproduction.Types of reproduction.To develop the inter disciplinary approach for study in different subjects.To enable the students to know about asexual reproduction in organismTo know different modes of asexual reproductionTo get the students aware about different parts of a plant which take part in asexual reproduction.
Ch-15 Our Environment	the learners will be able to Know the components of environment and the interactions among them. Adverse effect of human activities on Environment and minimising the problems by govt. Effort.	PPT -Presentation	Blended Learning	Most of the Students were able to: Know the components of environment and the interactions among them. Adverse effect of human activities on Environment

					and minimizing the problems by govt. Effort
October	Ch-Carbon and its Compounds	the learners will be able to Basic concept of Carbon and its compounds. Concept of existence of carbon, its allotropes and hydrocarbons. Concept of physical and chemical properties of compounds. Structure and nomenclature of organic compounds.	litmus iv) reaction with sodium To study the following properties of acetic acid (ethanoic acid): i) odour ii) solubility in water. iii) effect on bicarbonate To study the comparative cleaning capacity of a sample of soap in soft and hard water.	Lecture method , Inquiry based learning, Animated images, Ray diagram . Creative Learning They will be asked to make the model with thormocol balls and straw / stick.	Most of the Students were able to Basic concept of Carbon and its compounds. Concept of existence of carbon, its allotropes and hydrocarbons. Concept of physical and chemical Structure and nomenclature properties of compounds. of organic compounds
	Ch-The human eye and the colourful world.	Students will be able to: identify and define parts of the human eye; discuss how parts of the eye work , able to distinguish among the defects of eye and their correction method.	Conduct the activity to show the Angle of Incidence, Angle of Reflection , Angle of Deviation and Angle of Emergent when light pass through the Prism.	Lecture method , Inquiry based learning, Animated images, Ray diagram ,Labeled diagram of the eye will be shown.	Most of the Students were able to: identify and define parts of the human eye; discuss how parts of the eye work , able to distinguish among the defects of eye and their correction method.
November	Ch-Heredity Revision for Pre-Board	Students will be able to: To impart the knowledge about heredity Knowledge about variations in offsprings To impart the knowledge about	To study homology and analogy with the help of models/chart of animals and plants models/chart/specimens of plant.	Lecture method , Inquiry based learning, Animated images, Ray diagram .	Most of the Students were able to

		expressions of inherited		
December	Revision for Pre-Board			
January	Revision for Pre-Board			
February	Revision for Pre-Board			

Weekly Test1 11/04/23- 11/07/23

Weekly Test2 18/07/23-29/07/23

Half Yearly

Pre Board 1 25/10/23-10/11/23

Pre Board 2 20/11/23-6/12/23

Pre Board 3 15/12/23-29/12/23

Pre Board 4 8/01/24-22/01/24

Pre Board 5 02/02/24-16/02/24