

CURRICULUM - (2023-2024)

CLASS-X

ENGLISH

General Objectives:

To enable the learner-

- recognize the organization and identify the main points of a text
- to communicate effectively and appropriately in real life.
- to use English effectively for study purpose across the curriculum
- to develop and integrate the use of the four language skills i.e. reading, listening, speaking and writing.
- to develop interest in and appreciation of English Language .
- to revise and reinforce structure already learnt.

APRIL – 18 Days

S.No	TOPIC	SUB - TOPIC	METHODOLOGY/ TEACHING AIDS	LEARNING OBJECTIVES
1	First Flight WORDS & EXPRESSIO NS	1. A Letter to God 1. A Letter to God	Interactive Approach <ul style="list-style-type: none"> • Reading And Explanation • Class Discussion/Group Discussion • Power Point Presentation • Art Integrated Activity – Performing Art • Letter writing & Dialogue Writing 	<ul style="list-style-type: none"> • to comprehend the text • to enrich the vocabulary • to imbibe the lesson contained in the story
1A	(Poetry)	Dust of Snow	<ul style="list-style-type: none"> • Recitation, paraphrasing and explanation of theme • text book • Power Point Presentation 	<ul style="list-style-type: none"> • Listen, recite and understand the theme of the poem. • Speak /recite with accuracy following the overall rhythm in a lyrical way. • Understand ‘form’ in a literary text such as rhyme, rhythm and literary devices • Attempt the exercise based on the poem. • Express and argue a point clearly and effectively. • Identify the literary devices like simile, alliteration, metaphor, repetition. • Identify the rhyme scheme and the rhyme pairs.
1B	(Poetry)	Fire and Ice	<ul style="list-style-type: none"> • Recitation, paraphrasing and explanation of theme • text book • Power Point Presentation 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices
1	Grammar Skills	Tenses, Reported Speech, Modals, Subject-Verb Concord, Determiners	<ul style="list-style-type: none"> • Power Point Presentation • White Board • Class Discussion • Assignments 	<ul style="list-style-type: none"> • to use the language effectively. • Knowledge of the underlying 'rules' of grammar is provided.

				<ul style="list-style-type: none"> • To develop students insight into the structure of English language. • To enable the students to assimilate the correct patterns of the language.
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MAY - 16 Days

1	FOOTPRINTS WITHOUT FEET	A Triumph of Surgery	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to read for thematic understanding • to read for pleasure • to enrich the vocabulary
2	FOOTPRINTS WITHOUT FEET	The Thief's Story	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to read for thematic understanding • to read for pleasure • to enrich the vocabulary
3	(Fiction) WORDS & EXPRESSIONS	Nelson Mandela: Long Walk to Freedom Nelson Mandela: Long Walk to Freedom	<ul style="list-style-type: none"> • Reading And Explanation • Class Discussion/Group Discussion • Power Point Presentation • Art Integrated Activity – Performing Art – Role Play 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to jot down ideas correctly • to analyse, interpret and evaluate ideas in the text
4	(POETRY)	A Tiger In the Zoo	<ul style="list-style-type: none"> • Recitation, paraphrasing and explanation of theme • text book • Power Point Presentation 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices
5	Writing Skills	Analytical Paragraph	<ul style="list-style-type: none"> • Format Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to understand and apply the formats correctly • To use new vocabulary
6	Writing Skills	Letter-Writing	<ul style="list-style-type: none"> • Format Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to understand and apply the formats correctly • To use new vocabulary

JULY – 22 days

2	FIRST FLIGHT WORDS & EXPRESSIONS	Two stories about Flying	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation • Art Integrated Activity- Story Writing 	<ul style="list-style-type: none"> • to read for thematic understanding • to read for pleasure • to enrich the vocabulary
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3A	POETRY	How to tell Wild Animals	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation • Art Integrated Activity- Story Writing 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices
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3B	POETRY	The Ball Poem	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation • Art Integrated Activity- Story Writing 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices
5	FOOTPRINTS WITHOUT FEET	The Midnight Visitor	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation 	<ul style="list-style-type: none"> • To comprehend the text • To read for information and pleasure • To jot down ideas correctly

AUGUST – 23 DAYS

1	First Flight WORDS & EXPRESSIONS	From the Diary of Anne Frank	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation • Art Integrated Activity- Story Writing • Report Writing as a correspondent 	<ul style="list-style-type: none"> • To comprehend the text • To read for information and pleasure • To jot down ideas correctly
1B	(Poetry)	Amanda	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices
6	Footprints without Feet	A Question of Trust	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion , White Board • Power Point Presentation • School/Newspaper 	<ul style="list-style-type: none"> • To comprehend the text • To read for information and pleasure • To jot down ideas correctly
7	FOOTPRINTS WITHOUT FEET	Footprints without feet	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • To comprehend the text • To read for information and pleasure • To jot down ideas

				correctly
3	First Flight WORDS & EXPRESSIONS	The Proposal	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to appreciate the simplicity of thoughts and ways of expression • to imbibe the lesson conveyed. • to comprehend the text • to enrich the vocabulary

SEPTEMBER – 23 DAYS

8	First Flight WORDS & EXPRESSIONS	Glimpses of India a. A Baker from Goa b. Coorg c. Tea From Assam	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to read for thematic understanding • to read for pleasure • to enrich the vocabulary
8B	Poetry	The Trees	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices
			HALF YEARLY EXAMINATION	

OCTOBER – 20 DAYS

1	Footprints without Feet	The making of a scientist	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to appreciate the simplicity of thoughts and ways of expression to imbibe the lesson conveyed
3	First Flight	1. Mijbil the otter	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to appreciate the simplicity of thoughts and ways of expression • to imbibe the lesson conveyed
3B	Poetry	Fog	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices

NOVEMBER – 19 DAYS

1	First Flight WORDS & EXPRESSIONS	Madam Rides the Bus	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to appreciate the simplicity of thoughts and ways of expression • to imbibe the lesson conveyed
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1B	Poetry	The Tale of Custard the Dragon	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices
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DECEMBER – 22 DAYS

2	FOOTPRINTS WITHOUT FEET	The Necklace	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to appreciate the simplicity of thoughts and ways of expression • to imbibe the lesson conveyed
5	FOOTPRINTS WITHOUT FEET	Bholi	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to appreciate the simplicity of thoughts and ways of expression • to imbibe the lesson conveyed
6	FOOTPRINTS WITHOUT FEET	The Book that saved the earth	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion • White Board 	<ul style="list-style-type: none"> • To comprehend the text • To read for information and pleasure • To jot down ideas correctly •
2	First Flight WORDS & EXPRESSIONS	The Sermon at Benares	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion, • White Board • Power Point Presentation 	<ul style="list-style-type: none"> • to appreciate the simplicity of thoughts and ways of expression • to imbibe the lesson conveyed
2B	Poetry	For Anne Gregory	<ul style="list-style-type: none"> • Reading and explanation of the text • Class Discussion/Group Discussion, • White Board 	<ul style="list-style-type: none"> • to read for thematic understanding and pleasure • to know about poetic devices

SECTION-WISE WEIGHTAGE

Section		Total Weight age
A	Reading Skills	20
B	Writing Skills & Grammar Skills	20
C	Textbooks – First Flight & Supplementary Reader	40
	TOTAL	80

ACTIVITIES BASED ON ART INTEGRATION

ACTIVITES BASED ON PERFORMING ART Role play	ACTIVITES BASED ON FINE ART Letter writing
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Declamation Newspaper reading Debate Dramatization Poem Recitation Power Point Presentation	Dialogue Writing Report Writing as a correspondent School/Newspaper Writing Invites (Invitations) Script-Writing News-Writing Poster Making Slogan Writing Mask Making
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PORTFOLIO: HOLIDAYS HOME WORK ART INTEGRATED ACTIVITIES & PROJECT WORK PAIRING OF STATES & UNION TERRITORIES – UTTAR PRADESH with ARUNACHAL PRADESH

INTERNAL ASSESSMENT [twice in the month of September and February]

- ASL
- Multiple Assessment
- Written work
- Subject enrichment
- Art Integration Activity, H.H.W, H.W & C.W

JANUARY – 18 DAYS & FEBRUARY 15 DAYS

PRE BOARD

REVISION OF THE ENTIRE SYLLABUS

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CURRICULUM (2023-24)

Subject: Mathematics

Class: X

Objectives :

The broad objectives of teaching of Mathematics at secondary stage are to help the learners to :

- * consolidate the Mathematical knowledge and skills acquired at the upper primary stage
- * acquire knowledge and understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles and symbols and underlying processes and skills;
- * develop mastery of basic algebraic skills;
- * develop drawing skills;
- * feel and flow of reason while proving a result or solving a problem;
- * apply the knowledge and skills acquired to solve problems and wherever possible, by more than one

method;

- * to develop ability to think, analyze and articulate logically;
- * to develop awareness of the need for national integration, protection of environment, observance of small family norms, removal of social barriers, elimination of gender biases;
- * to develop necessary skills to work with modern technological devices and mathematical software's.
- * to develop interest in mathematics as a problem-solving tool in various fields for its beautiful structures and patterns, etc.
- * to develop reverence and respect towards great mathematicians for their contributions to the field of mathematics;
- * to develop interest in the subject by participating in related competitions;
- * to acquaint students with different aspects of mathematics used in daily life;
- * to develop an interest in students to study mathematics as a discipline.

Month : April 2023

No. of working days : 18

CHAPTER	METHODOLOGY	LEARNING OUTCOMES
<p><u>Chap.1: Real numbers</u></p> <p>* The fundamental theorem of Arithmetic – statements after reviewing work done earlier and after illustrating and motivating through examples</p> <p>* Proofs of irrationality of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$</p>	<p>The class would start with a discussion on what the students have already learnt in the previous classes and hence what it they would learn now.</p> <p>Techniques to be used :</p> <p>Daily practice problem</p> <p>M C Qs.</p> <p>Peer Assessment</p> <p>Case studies</p> <p>Lab activities</p> <p>HOTS</p> <p>For slow learners :</p> <p>1. Basic questions</p> <p>2. peer help to be provided</p>	<p>Students will know and understand</p> <p>1. Fundamental theorem of arithmetic</p> <p>2. Revisiting irrational numbers</p> <p>3. Proofs of irrational numbers $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$</p>
<p><u>Chap. 2: Polynomials</u></p>	<p>Participatory method</p>	<p>Students will know and</p>

<p>* Zeroes of a polynomial</p> <p>* Relationship between Zeroes and Coefficients of a polynomial</p> <p>* Formation of quadratic Polynomials</p>	<p>Discussion</p> <p>Black-board and Chalk</p> <p>SRC</p> <p>Find the error worksheet</p> <p>Cross word puzzle</p>	<p>understand:</p> <ol style="list-style-type: none"> 1. define the polynomial and its terminology 2. identify the zeroes of a polynomial by plotting it on graph 3. establish the relationship between the zeroes and the coefficients of linear polynomial, quadratic polynomial and cubic polynomial
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Month : May 2023

No. of working days : 16

<p><u>Chap. 3: Pair of linear equations in two variables</u></p> <p>* Pair of linear equations in two variables</p> <p>* Graphical method of solution of a pair of linear equations</p> <p>* Algebraic method of solving a pair of linear equations - Substitution method Elimination method</p> <p>* Simple situational problems.</p>	<p>Chart of consistency/Inconsistency</p> <p>Chalk and black board</p> <p>SRC</p> <p>Cross word puzzle</p> <p>Find the error worksheet</p> <p>Method of evaluation:</p> <ol style="list-style-type: none"> 1. Review questions 2. Slip tests 3. Assignments 4. Discussions 	<p>Students will know and understand</p> <ol style="list-style-type: none"> 1. difference between linear equation in 1 variable and 2 variables. 2. the type of solution of a pair of linear equation in 2 variables by analyzing the condition of consistency. 3. solving the pair of linear equations in 2 variables by algebraic methods- substitution and elimination multiplication method. 4. to frame the required equation for the given problem related to life and solve them.
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		5. develop skill in drawing graphs and reading information from graph.
<p><u>Chap.4 Quadratic Equations</u></p> <p>* Quadratic equations</p> <p>* solution of quadratic equation by Factorization</p> <p>* solution of quadratic equation by quadratic formula</p> <p>* Nature of roots</p> <p>* Situational problems based on quadratic equations based on quadratic equations related to day to day activities to be incorporated.</p>	<p>Demonstration and lecture method</p> <p>Assessment :</p> <p>Class test</p> <p>Oral discussion</p> <p>Oral test</p> <p>Worksheets and assignments of extra questions.</p>	<p>After studying this lesson students will know and understand:</p> <ol style="list-style-type: none"> 1. all formulas and all important concepts related to the quadratic equations. 2. the nature of solutions, factor method and quadratic formula for solving the Q.E. 3. method of implementation of these two formulas in a complex problems.

Month : July 2023

No. of working days : 22

<p>Chap.5: <u>Arithmetic Progressions</u></p> <p>Sub topics:</p> <p>Progressions</p> <p>Arithmetic progression</p> <p>General form of A.P.</p> <p>First term(a), common difference(d)</p> <p>Nth term in A.P.</p> <p>Sum of n terms of an A.P.</p>	<p>Inductive-Deductive, Demonstrative and Activity</p> <p>Models</p> <p>Black-board and Chalk</p> <p>SRC</p> <p>Find the error worksheet</p> <p>Cross word puzzle</p>	<p>After studying this lesson students are able</p> <ol style="list-style-type: none"> 1. to get knowledge about sequences 2. acquire knowledge about progression 3. to know about arithmetic progression 4. to find nth term and sum of n terms 5. to apply the knowledge of A.P.
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		in solving real problems
<p><u>Chap.6: Triangles</u></p> <p>* Similar figures</p> <p>* Similarity of triangles</p> <p>* Criteria for similarity of Triangles</p> <p>* Areas of similar triangles</p> <p>* Pythagoras theorem</p>	<p>Inductive-Deductive, Demonstrative and Activity</p> <p>Models</p> <p>Black-board and Chalk</p>	<p>After studying this lesson students are able</p> <ol style="list-style-type: none"> 1. to acquire the knowledge about similarity of triangles 2. to understand the criteria for similarity of triangles 3. to understand the Thales theorem and its application 4. to understand the Area theorem 5. to understand the Pythagoras theorem

Month : August 2023

No. of working days : 23

<p><u>Chap.7: Coordinate geometry</u></p> <p>Sub topics :</p> <p>Distance formula</p> <p>Section formula and</p>	<p>Method of teaching :</p> <p>Inductive method</p> <p>Deductive method</p> <p>Interactive method</p> <p>Group discussion method</p> <p>Method of evaluation :</p> <p>Oral quiz</p> <p>Slip test</p> <p>Assignment</p> <p>Unit test</p>	<p>At the end of the lesson student are expected :</p> <ol style="list-style-type: none"> 1. to recognize distance formula, section formula 2. to recall formula for area of triangle in terms of coordinates 3. to prove distance formula and section formula 4. to use the distance formula and section formula in solving problems 5. to use the knowledge of coordinate geometry in daily life.
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<p><u>Chap. 8: Introduction to Trigonometry</u></p> <p>Sub concepts :</p> <p>trigonometric ratios</p> <p>Trigonometric ratios of specific angles</p> <p>Trigonometric Identities and</p>	<p>Inductive method</p> <p>Deductive method</p> <p>Interactive method</p> <p>Group discussion method</p> <p>Method of evaluation :</p> <p>Oral questions</p> <p>Slip test</p> <p>Assignment</p> <p>Periodic written test</p>	<p>At the end of the lesson students are expected</p> <ol style="list-style-type: none"> 1. to recognize trigonometric ratios 2. to trigonometric ratios of specific angles and complementary angles 3. to recall trigonometric identities To convert the trigonometric identities into the required form 4. to use trigonometric ratios in solving problems 5. to use the knowledge heights and distances in daily life.
<p><u>Chap. 9: Some Application of Trigonometry</u></p> <p>* Heights and distances</p>	<p>Inductive method</p> <p>Deductive method</p> <p>Interactive method</p> <p>Group discussion method</p> <p>Evaluation :</p> <p>Class test</p> <p>Extra questions</p> <p>Oral questions</p> <p>Lab manual activity</p> <p>Cross word puzzle</p>	<p>After studying this lesson students will be able to know about various concepts related to trigonometry:</p> <ol style="list-style-type: none"> 1. Students will know about the line of sight. 2. Students will know about the angle of elevation and depression. 3. Students will know about use of trigonometric ratios in daily life. 4. Students will be able to draw diagram of given height and distance question. 5. Students will be able to find the angle of elevation with the help of trigonometric ratios.

No. of working days : 23

<p><u>Chap. 10: circles</u></p> <p>* tangents to a circle</p> <p>* number of tangents from a point on a circle</p>	<p>Inductive method</p> <p>Deductive method</p> <p>Interactive method</p> <p>Group discussion method</p> <p>Evaluation :</p> <p>Asking questions, assignments, unit test.</p> <p>SRC</p> <p>Cross word puzzle</p> <p>Find the error worksheet</p>	<p>The students develop skill in applying different geometrical concepts in day to day life.</p> <p>Develop interest in mathematics</p>
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Month : October 2023

No. of working days : 20

<p><u>Chap. 11: Areas Related to Circles</u></p> <p>* Perimeter and area of a circle</p> <p>* areas of sector and segment</p>	<p>Think pair and share, inductive and deductive learning, brain storming, discussion of muddiest point.</p> <p>Quiz</p> <p>Daily practice problem</p> <p>MCQ</p> <p>Peer assessment</p> <p>Case studies</p> <p>Lab activities</p>	<p>Students would be able to visualize and analyse the given figure, thereby</p> <ol style="list-style-type: none">1. calculate the areas and perimeter of circle.2. calculate the area of a given segment or sector of the circle.3. calculate the length of major and minor arc.4. calculate the area of combination of plane figures in collaboration with others.
<p><u>Chap. 12: Surface areas and Volumes</u></p>	<p>Inductive method</p> <p>Deductive method</p>	<p>At the end of the lesson students are expected</p> <ol style="list-style-type: none">1. to recognize shapes of cuboid,

<p>Name of the sub concepts :</p> <p>Surface areas and volumes of combinations of any two of the following : cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.</p>	<p>Interactive method</p> <p>Group discussion method</p> <p>Evaluation :</p> <p>Oral quiz</p> <p>Assignment</p> <p>Class test</p>	<p>cube, cylinder, cone, sphere and frustum of a cone.</p> <p>2. to recall the formula of surface area and volume of cuboid, cube, cylinder, cone, sphere, hemisphere and frustum of a cone.</p> <p>3. to differentiate between curved surface area and total surface area.</p> <p>4. to differentiate surface area and volume.</p> <p>5. to find the volume of given combination.</p>
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Month : November 2023

No. of working days : 19

<p><u>Chap. 13: Statistics</u></p> <p>Name of the sub concept :</p> <p>Mean of grouped data</p> <p>Mode of grouped data</p> <p>Median of grouped data</p>	<p>Inductive method</p> <p>Deductive method</p> <p>Interactive method</p> <p>Group discussion method</p> <p>Assignment sheet</p>	<p>At the end of the lesson students are expected</p> <p>1. To recall the formulae of mean, median and mode of the grouped data.</p> <p>2. to differentiate mean, median, mode from one another</p> <p>3. to find mean , median and mode of the given grouped data.</p> <p>4. to find class size and class mark of the given data.</p>
<p><u>Chap. 14: Probability</u></p>	<p>Activity based method</p>	<p>At the end of the lesson students are expected</p>

Name of the sub concepts : Classical definition of probability, Simple problems on finding the probability of an event.	Deductive method Interactive method Group discussion method Method of evaluation : Oral questions Assignment Periodic written test Chapter assignment sheet	1. to recognize the outcomes of the given random experiments. 2. to differentiate between empirical probability and theoretical probability. 3. to find the probability of the given event. 4. to use the knowledge of probability in daily life. 5. to use the learnt concepts in solving exercise problems.
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Month : December 2023

No. of working days : 22

Practice from sample papers		
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Month : January 2024

No. of working days : 18

Practice from old CBSE board papers	Pre-board exam	
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Month : February 2024

No. of working days : 15

Discussion of doubts		
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CURRICULUM (2023-24)
SUBJECT - SCIENCE
Class: X

LEARNING OBJECTIVES:-

- 1. Strengthen the concepts developed at the secondary stage to provide a firm foundation for further learning in the subject.**
- 2. Expose the learner to different processes in science-related industrial and technological applications.**

3. Develop process skills and experimental, observational, manipulative, decision making and investigatory skills in the learners.
4. Promote problem-solving abilities and creative thinking in learners.
5. Develop conceptual competence in learners and make them realize and appreciate the interface of science with other disciplines.

Month – April

No. of working days – 18

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
Chemical Reactions and Equations Chemical reaction Chemical equation Types of Chemical reactions Combination reaction Decomposition reaction Displacement reaction Double displacement reaction	Lecture method/ Experimental method	Students will be able to learn definitions of Chemical reaction and chemical equation. They will be able to differentiate between types of reactions with activity.
Life Process Nutrition Respiration Transportation Excretion	Lecture Method/ Demonstration method	Students will be able to learn the working of Digestive System Respiratory System Transportation System Excretory System With diagrams of animals (human beings) and plants

Month – May

No. of working days - 16

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
Light Reflection of light Refraction of light Refractive Index Mirror and Lens formula Power of Lens	Lecture method/ Experimental method	Students will be able to learn the fundamentals of reflection and refraction of light. They will also be able to understand the propagation of light. Image formation by mirror and lens. Refractive index. Numericals based on mirror or lens formula.
Human Eye	Lecture method/ Group	Students will be able to understand the

Human Eye Refraction through a glass prism Atmospheric refraction	Discussion	formation of images in the eye. They will also be able to grasp the different eye defects and their solutions
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Month – July

No. of working days - 22

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
Acid, Base and Salts Acids Properties of Acids Bases Properties of Bases Salts	Lecture method/ Experimental method/ Group Discussion	Students will be able to Define Acids and Bases Learn the properties of acids and bases Formation of different salts (bleaching powder, baking soda, POP etc.) Properties and uses of salts
Metals and Non-Metals Physical properties of metal and non-metals Chemical properties of metal and non-metals Ionic bond Occurrence of metals Corrosion	Lecture method/ Experimental method/ Group discussion	Students will be able to distinguish between the physical properties and chemical properties of metal and non-metal. They will be able to understand the formation of Ionic bonds

Month – August

No. of working days - 23

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
Control and Coordination Nervous System Reflex action Human Brain Coordination in plants Hormones in Animals	Lecture method/ Chart	Students will be learning about the nervous system, reflex action and human brain functions. They will be learning about coordination in plants and hormones effect in the body.
Our Environment Eco-system Food chain Food webs Managing the garbage	Lecture method/ Group discussion	Students will learn about the ecosystem, food chain and food webs. They will learn about 3R's and their roles.

Month – September

- Revision
- Half-yearly Exam

Month – October

No. of working days - 20

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
Carbon and its Compounds Carbon Covalent bond Saturated hydrocarbons Unsaturated hydrocarbons Properties of Carbon Compounds Soap & Detergent	Demonstration method/ Lecture method	Students will be able to learn Formation of covalent bond Properties of carbon compounds Distinguish between soap & detergents Properties of Ethanol Properties of Ethanoic acid
Reproduction Asexual Reproduction Sexual Reproduction Types of Asexual Reproduction Sexual Reproduction in Plants & Animals(human beings)	Lecture method/ Chart	Students will be able to learn different types of asexual methods Fission Fragmentation Regeneration They will be able to know the male & female reproductive systems of human beings Reproduction in flowers and plants

Month – November

No. of working days – 19

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
Magnetic Effects of Electricity Magnetic field Right-hand thumb rule Solenoid Electromagnetic Induction Induced current	Lecture method/ Experimental method	Students will be able to learn the definition of the magnetic field, magnetic field lines, right- hand thumb rule etc. They will be able to understand the meaning of electromagnetic induction and induced current.
Electricity Current Ohm's Law Resistance Resistance in series Resistance in parallel Heating effect of Electric	Lecture method/ Experimental method/ Group discussion	Students will be able to define the current, potential difference and resistance. They will be able to derive formulas for Ohm's law, Resistance in Series. Resistance in Parallel and will be able to solve numerical based on them

current Power		
Heredity and Evolution Heredity Mendel's laws of inheritances Sex determination	Lecture method/ Demonstration method	Students will be able to learn and define Heredity They will be able to understand the laws of inheritance.

Month – December

- Pre-Board I Exam

Month – January

- Pre-Board II Exam

Month – February

- Revision of Final Exam

CURRICULUM (2023-24)

Subject: Social Science

Class: X

Objectives :

The main objectives of this syllabus are to:

- develop an understanding of the processes of change and development over a period of time, through which human societies have evolved.
- make learners infer that the process of change is continuous and any event or phenomenon or issue cannot be viewed in isolation but in a wider context of time and space.
- develop an understanding of contemporary India with its historical perspective, of the basic framework of the goals and policies of national development in independent India, and of the process of change in connections to world development
- deepen knowledge about and understanding of India's freedom struggle and of the values and ideals that it represented, and appreciate the contributions made by people of all sections and regions of the country.
- help learners understand and cherish the values enshrined in the Indian Constitution and to prepare them for their roles and responsibilities as effective citizens of a democratic society.
- deepen the knowledge and understanding of India's environment in its totality on people's life.
- facilitate the learners to understand and appreciate the diversity in the land and people of the country with its underlying unity.
- develop an appreciation of the richness and variety of India's heritage-both natural and cultural and the need for its preservation.
- promote an understanding of the issues and challenges of contemporary India- environmental, economic and social, as part of the development process.
- develop competencies; Analytical skills/ critical thinking skills, creative skills help pupils acquire knowledge, skills and understanding to face the challenges of contemporary society as

individuals and groups and learn the art of living a confident and stress-free life as well as participating effectively in the community.

- enable students to correlate the social science subjects through an interdisciplinary approach.
- explore their creativity and innovation through experiential and art integrated learning.
- develop scientific temperament by promoting the spirit of enquiry and following a rational and objective approach in analysing and evaluate data and information as well as views and interpretations.
- develop academic and social skills such as critical thinking, communicating effectively both in visual and verbal forms - cooperating with others, taking initiatives and providing leadership in solving others' problem.
- develop qualities clustered around the personal, social, moral, national and spiritual values that make a person humane and socially effective.

Month : April 2023

No. of working days : 18

CHAPTER	METHODOLOGY	LEARNING OUTCOMES
<p><u>GEOGRAPHY</u> <u>Chap.1</u> Resources and Development</p>	<ul style="list-style-type: none"> • Brainstorming on how the resources are interdependent in nature and the need to develop them in India and present in the form of Venn diagram • Use of maps, charts, and other tools to identify patterns and trends of land utilization <p>Case study and debate on the topic “Is the development acting as an adversary for conservation” and present a report in the form of PPT. M C Qs. Peer Assessment Case studies HOTS For slow learners : 1. Basic questions 2. peer help to be provided</p>	<ul style="list-style-type: none"> • Enumerates how the resources are interdependent, justify how planning is essential judicious utilization of resources and the need to develop them in India • Infers the rationale for development of resources • Analyse and evaluate data and information related to non- optimal land, utilization in India. • Appraise and infer the need to conserve all resources available in India suggest remedial measures for optimal utilization of underutilized resources
<p><u>DP</u> <u>Chap. 1: Power - sharing</u></p>	<ul style="list-style-type: none"> • Read relevant Newspaper articles/ clippings on Power sharing and present the findings in the form of flow chart • Discuss various forms of power-sharing • Classroom discussion on challenges faced by Belgium & Sri Lanka in ensuring effective power sharing • Socratic discussion on 	<ul style="list-style-type: none"> • Enumerates the need for power sharing in democracy. • Analyse and infer the challenges faced by Belgium and Sri Lanka in ensuring Power sharing. • Compare and contrast the power sharing of India with Sri Lanka and Belgium • Summarize the

	<p>PowerSharing Techniques used by India, Sri Lanka and Belgium</p> <p>Black-board and Chalk</p>	<p>purpose of power sharing in preserving the unity and stability of a country.</p>
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Month : May 2023

No. of working days : 16

<p><u>ECONOMICS</u> <u>Chap. 1 Development:</u> .</p>	<ul style="list-style-type: none"> • Hot seat strategy to enumerate different developmental Goals that helps in nation building • Case study to analyse and infer how the per capita income depicts the economic condition of the nation. • Graphic organizer to compare and contrast the relation between HDI and PCI • Declamation to Analyse the multiple perspectives on the need development <p>Method of evaluation: 1. Review questions 2. Assignments</p>	<ul style="list-style-type: none"> • Enumerate different and examine the different processes involved in setting developmental Goals that help in nation building • Analyse and infer how the per capita income depicts the economic condition of the nation. • Evaluate the development goals that have been set for the nation by the Planning commission of India -with specific reference to their efficacy, implemental strategies, relevance to current requirements of the nation • Compare and contrast how per capita income of some
<p><u>HISTORY</u> <u>Chap.2 Nationalism in India</u></p>	<ul style="list-style-type: none"> • Sequence chart /story Board/Story telling pedagogy to Illustrate various facets of Nationalistic movements that ushered in the sense of Collective Belonging • Students will examine textual content and other references and Present through PPT. • Viewing the relevant Snippets from the movies /video clippings depicting various events involving Gandhiji and other leaders and present findings through a panel discussion or seminars. 	<ul style="list-style-type: none"> • Illustrate various facets of Nationalistic movements that ushered in the sense of Collective Belonging • Summarize the aspects of the First World War that triggered two defining movements (Khilafat & Non-cooperation Movement) in India • Evaluate the effectiveness of the strategies applied by Gandhiji and other leaders in the Two movements.
<p><u>DP</u> <u>Chap.2 Federalism</u></p>	<ul style="list-style-type: none"> • Group discussion on the distribution of powers between Union and state Government and present the outcomes through presentations. 	<ul style="list-style-type: none"> • Analyse and infer how federalism is being practised in India. • Analyse and infer

	<ul style="list-style-type: none"> • Debate on policies and politics that strengthens Federalism in practice and present through mind map 	<p>how the policies and politics that has strengthens federalism in practice.</p>
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Month : July 2023

No. of working days : 22

<p><u>HISTORY</u> Chap.5 Print culture and the Modern World.</p>	<ul style="list-style-type: none"> • Flow chart to depict the development of Print • Declamation on the profound transformation of people due to the print revolution. • Use of Venn diagram to compare the advantages of hand written books and the printed books Interpret and infer from pictures, cartoons, extracts from propaganda literature on important events and issues with focus on print culture. 	<ul style="list-style-type: none"> • Enumerate the development of Print from its beginnings in East Asia to its expansion in Europe and India. • Comment on the statement that the print revolution was not just away of producing book but profound transformation of people. • Compare and contrast the old tradition of hand written manuscripts versus the print technology. Summarise the role of Print revolution and its impact on World & India 's political, social and economic condition.
<p><u>GEOGRAPHY</u> Chap.2. Forest and Wildlife Resources</p>	<ul style="list-style-type: none"> • Read newspaper articles/ watch videos on deforestation and need for conservation and through world café strategy present your findings. • Debate how developmental works, grazing wood cutting have impacted on the survival or otherwise of the forests. • Use art integration strategy to summarize and present the reasons for conservation of biodiversity in India under sustainable development 	<ul style="list-style-type: none"> • Enumerate how conservation of forests and wildlife are interdependent in nature and in maintain the ecology of India. • Analyse and infer how some of the developmental works, grazing wood cutting have impacted on the survival or otherwise of the forests. • Summarizes the reasons for conservation of biodiversity in India under sustainable development.
<p><u>GEOGRAPHY</u> Chap.3. Water Resources</p>	<ul style="list-style-type: none"> • Brainstorming session to discuss the scarcity of water and present through graphic organizers • Prepare a PPT to 	<ul style="list-style-type: none"> • Enumerate why the water resource of India to be conserved. • Summarize the roles of Multipurpose projects and supporting the water

	Summarizethe roles of Multipurpose projects in supporting the water requirement of India	requirementof India.
DP <u>Chap.3. Gender, Religion andCaste</u>	<ul style="list-style-type: none"> • Skit /street play to enumerate how the differences in gender,religion and caste impact the practicing healthy or otherwisein a Democracy. • Graphic method to Analyseand infer how different expressions based on differences in Gender, Religion and Caste are healthy or unhealthy in a democracy. 	<ul style="list-style-type: none"> • Enumerates how the differencesin gender, religion and caste impact the practicing healthy or otherwise in a Democracy • Analyses and infers how different expressions based on the differences in Gender, Religion and Caste are healthyor unhealthy in a democracy

Month : August 2023

No. of working days : 23

<u>HISTORY</u> Chap.1 The Rise of Nationalism in Europe	<ul style="list-style-type: none"> • Watch Videos/ read Textual materials/read related novelson the French revolution followed by a Class room discussion and presentation. • World café/ Panel discussion/debate using Collaborative learning, to explore the diverse social groups and present it as a group. • Use of graphic organizers to explain the idea of unificationof states to form one nation. (Italy/Germany/Greece) • Visual representation of the map of Pre-First World War Europe followed by the Clasdiscussion and reflection activity based on the map of Post First World War Europe 	<ul style="list-style-type: none"> • Infer how the French Revolutionhad an impact on the European countries in the making of nationstate. • Enumerate and evaluate the validity of the nature of the diverse social movements of thetime • Analyse and infer how the idea of nationalism emerged and led to the formation of nation states in Europe and elsewhere. • Illustrate that, the quest for imperialism triggered the FirstWorld War.
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<p><u>GEOGRAPHY</u> Chap-4. Agriculture</p>	<ul style="list-style-type: none"> • Discusses the challenges faced by farmers, such as low productivity, lack of modern technology, inadequate irrigation facilities, and post-harvest losses and presents the findings through PPT • Reads Newspapers and panel discusses the challenges faced by the farming community in India • Use of graphic organizers to distinguish the traditional and modern farming methods 	<ul style="list-style-type: none"> • Enumerate how agriculture plays a contributory role in Indian economy • Analyses and infers the challenges faced by the farming community in India • Identifies and summarizes various aspects of agriculture, including crop production, types of farming, modern agricultural practices, and the impact of agriculture on the environment.
<p><u>DP</u> Chap.4 Political Parties</p>	<ul style="list-style-type: none"> • Role play the role, purpose and no. of Political Parties in Democracy • Reads newspapers, watches video clippings to justify the contributions /non contributions made by national and regional political parties in successful functioning of Indian democracy. 	<p>Enumerates the role, purpose, and no. of Political Parties in Democracy</p> <ul style="list-style-type: none"> • Justifies the contributions /non contributions made by national and regional political parties in successful functioning of Indian democracy.
<p><u>ECONOMICS</u> Chap.2. Sectors of the Indian Economy</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Data analyse various sectors and their contribution in GDP and NDP. <input type="checkbox"/> Research based strategy to propose solutions to identified problems in different sectors based on their understanding. <input type="checkbox"/> Read Newspaper articles and group discuss to Summarize how the organised and unorganised sectors are providing employment and the challenges faced by them 	<ul style="list-style-type: none"> • Analyses and infer how the economic activities in different sectors contribute to the overall growth and development of the Indian economy. • Propose solutions to identified problems in different sectors based on their understanding • Summarize how the organised and unorganised sectors are providing employment and the challenges faced by them • Enumerates the role of unorganised sector in impacting PCI currently and proposes suggestive steps to reduce the unorganised sector for more productive contributions to GDP • Enumerates and infer the essential role of the Public and Private sectors the present trends of PPP and efficacy of the initiative

Month : September 2023

No. of working days : 23

<p><u>Geography</u> Chap.7.Life Lines of National Economy</p> <p>To be evaluated in the board examination</p> <p>Sub topics Roadways and Railways.</p>	<ul style="list-style-type: none">• Analyses the Data on the contribution of Roadways and railways in the economy in a year and present a PPT/bulletin board.• Debate and discuss the advantages and limitations on roadways and railways.• Brainstorming/ Case studies on the challenges faced by the government in operating and maintenance of railways and roadways.• Inter disciplinary project with chapter 3 of History: The making of a Global world and chapter 4 of Economics: Globalization and the Indian Economy	<ul style="list-style-type: none">• transportation works as a life line of economy.• Analyse and infer the impact of roadways and railways on the national economy• Analyses and infers the challenges faced by the roadways and railway sector in India.
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Month : October 2023

No. of working days : 20

<p><u>HISTORY</u> Chap.3 The Making of a Global World.</p>	<ul style="list-style-type: none">• Initiate an Inquiry based learning using world café' strategy and present your findings through café conversation strategy of each area (transformed the world in terms of economy, political, cultural and technological aspects.)• Art integration and gallery walk to depict the interconnectedness.• Students examine the photographic display/ new paper cutting that depict the destructive impact of colonialism on the livelihoods of colonised people and present their understandings in the form of Newsletter/ cartoon strips/ Inter Disciplinary Project <p>Inter disciplinary Project with chapter 7 of Geography: Life lines of National Economy, and chapter 4 of Economics Globalization and the Indian Economy</p>	<ul style="list-style-type: none">• Summarize the changes that transformed the world in terms of economy, political, cultural and technological areas.• Depict the global interconnectedness from the Pre modern to the present day.• Enumerate the destructive impact of colonialism on the livelihoods of colonised people
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<p><u>GEOGRAPHY</u> <u>Chap.5. Minerals and Energy Resources</u></p>	<ul style="list-style-type: none"> ● Usage of textual resource, mind maps, pie charts to Analyse and infer how different types of minerals are formed, where they are found, their uses, importance for human life and the economy ● Use graphic organizers to Infer the resource distribution to real-world situations and proposes strategies for sustainable use of natural resources ● Use of flow chart to Differentiate between the conventional and non-conventional sources of energy 	<ul style="list-style-type: none"> ● Analyses and infers how different types of minerals are formed, where they are found, their uses, importance for human life and the economy ● Infers the resource distribution to real-world situations and proposes strategies for sustainable use of natural resources ● Differentiates between the conventional and nonconventional sources of energy.
<p><u>ECONOMICS</u> <u>Chap.3. Money and Credit</u></p>	<ul style="list-style-type: none"> □ Group discussion to Enumerate how money plays as a medium exchange in all transactions of goods and services since ancient times to the present times □ Case based study to Analyse and infer various sources of Credit 	<ul style="list-style-type: none"> ● Enumerate how money plays as a medium exchange in all transactions of goods and services since ancient times to the present times ● Analyse and infer various sources of Credit

Month : November 2023

No. of working days : 19

<p><u>HISTORY</u> Chap.4 The Age of Industrialisation Note: The chapter is to be assessed in the periodic assessment only</p>	<ul style="list-style-type: none"> ● Watch relevant Videos/ Visuals/ documentaries/ the movie clippings on features of Pre & Post economic, political, social features of Pre and Post Industrialization ● Debate on the impact of Industrialisation in the colonies with specific focus on India. 	<ul style="list-style-type: none"> ● Enumerate the features of Pre & Post economic, political, social features of Pre and Post Industrialization. ● Analyse and infer how the industrialization impacted colonies with specific focus on India.
<p><u>GEOGRAPHY</u> Chap.6 Manufacturing Industries</p>	<ul style="list-style-type: none"> ● Use of flow chart to Differentiate between various types of manufacturing industries based on their input materials, processes, and end products. ● Utilizes the textual information (data given through various maps/graphs) to Enumerate the impact of manufacturing 	<ul style="list-style-type: none"> ● Differentiates between various types of manufacturing industries based on their input materials, processes, and end products, and analyse their significance in the Indian economy. ● Enumerates the impact of manufacturing industries on the environment, and develop strategies for

	<p>industries on the environment, and develop strategies for sustainable development of the manufacturing sector.</p> <ul style="list-style-type: none"> • Uses Case Studies to Infer the relation between availability of raw material and location of the Industry. 	<p>sustainable development of the manufacturing sector.</p> <ul style="list-style-type: none"> • Infers the relation between availability of raw material and location of the Industry
		<ul style="list-style-type: none"> • Enumerates the impact of manufacturing industries on the environment, and develop strategies for sustainable development of the manufacturing sector. • Infers the relation between availability of raw material and location of the Industry
<p><u>DP</u> <u>Chap.7</u> Outcomes of Democracy</p>	<ul style="list-style-type: none"> • Graphic organizer to enumerate success of democracy depends on quality of government, economic wellbeing, in equality, social differences, conflicts freedom and dignity 	<ul style="list-style-type: none"> • Enumerates how a success of democracy depends on quality of government, economic wellbeing, in equality, social differences, conflict, freedom and dignity. • Analyses and infers why sometimes the gap occurs between expected outcome and actual outcome effects the success of Democracy
<p><u>ECONOMICS</u> <u>Chap.4.</u> Globalization and the Indian Economy</p> <p>Note: To be evaluated in the board examination Sub topics: What is Globalization? Factors that have enabled Globalisation</p>	<ul style="list-style-type: none"> • Watch videos on globalisation followed by an interactive group discussion to enumerate the concept of globalization and its definition, evolution, and impact on the global economy • Read Textual and other resources to analyse and infer the key drivers of globalization and their role in shaping the global economic landscape. 	<ul style="list-style-type: none"> • Enumerate the concept of globalization and its definition, evolution, and impact on the global economy. <p>Evaluate the key role of the key major drivers of globalization and their role in shaping the global economic landscape in various countries</p> <ul style="list-style-type: none"> • Enumerates the significance of role of G20 and its significance in the light of India's present role

Month : December 2023

No. of working days : 22

Practice from sample papers		
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Month : January 2024

No. of working days : 18

Practice from old CBSE board papers	Pre-board exam	
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Month: February 2024

No. of working days: 15

Discussion of doubts		
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CURRICULUM (2023-24)

Subject: Art and Craft and Home science (Activity)

Class: X

Learning objectives

Art and craft

To create love for the environment by making best out of waste with the help of recyclable things create awareness for the waste reduction and promote reuse of bottles, cans, paper etc.

Use of vegetable dyes instead of chemical dyes which were used earlier in India.

Culinary Art

It is to have effective multi dimensional growth of students which will impact physically, intellectually and enhance knowledge techniques, ethics and nutritive values of food and the presentation skill also. These activities help the students to choose their career in future.

1st Term

April	Fluid Art	Gold leaf Frame
May	Block Printing	-
July	Sugar Pot with Balloon	Wall clock with cycle rim
August	Thali Decoration/ style furniture	Frames with Old Cardboards
September	Mini Organizer Vandanvar	Other Decorative Things

Culinary Arts

2nd Term

October	Idli and Sandwich	-
November	Rose Samosa	Besan Barfi
December	Table Layout	Cake, Pasta
January	Corn Salad	-

CURRICULUM (2023-24)
Art and Craft (Activity)

Class: X

Learning Objective

The students are able to develop the aesthetic sense, appreciate the beauty in lines, forms and colors. The students will get to know the wide range of artistic impressions, the media and tools used. the students would be acquainted with brief glimpses of the development of Indian Visual Art.

1st Term

April	May	July	August	September
Theory	Theory	Theory	Theory	Theory
Practical	Practical	Practical	Practical	Practical
Introduction to art	Understanding and Appropriate use of Painting Materials	Areas of Drawing and Painting	Padma Pani, Mother Teresa, Lion Capital from Sarnath	Revision
Principles of art	Sketching of Nature	Landscapes	Flower Composition and Bird Composition	Completion of Portfolio
Still Life	Folk Art (Madhubani painting)	-		
Canons of arts	-	-		

CURRICULUM (2023-24)
SUBJECT - MUSIC VOCAL
CLASS : X

LEARNING OBJECTIVES:

- 1) **Learn Vocal Music**
- 2) **Short and long Definitions**
- 3) **Practical**

CONTENT	METHODOLOGY	LEARNING OUTCOME
APRIL :	Lecture method, singing way and	Learned definitions and singing

<p>Theory : Study of the following definitions : Alaap, Taan, Meend & detailed study of Raag Bhupali</p> <p>Practical : Raag Bhupali drut khayal</p>	<p>written work</p>	<p>skills</p>
<p>MAY :</p> <p>Theory : Study of the following definitions : Dhrupad, Dhamaar, Tarana</p> <p>Practical : Devotional song and Roopak Taal with hand beats</p>	<p>Singing way, hand beats</p>	<p>Learned definitions and singing skills</p>
<p>JULY :</p> <p>Theory : Detailed study of Raag Brindavani Sarang & life sketch of Ustad Tansen</p> <p>Practical : Raag Brindavani Sarang drut khayal</p>	<p>Lecture method, written work and singing way</p>	<p>Knowledge of writing biography and singing way</p>
<p>AUGUST :</p> <p>Theory : Life sketch and contribution of Pandit Sadarang & detailed study of Raag Khamaj</p> <p>Practical : Raag khamaj drut khayal and Chautaal with hand beats</p>	<p>Written work, singing way, hand beats and lecture method</p>	<p>How to speak Taal with hand beats and knowledge of writing biography</p>
<p>SEPTEMBER :</p> <p>THEORY : Life sketch and contribution of Ustad Faiyaz Khan</p> <p>Practical : Ability to recognize Raag from Swar rendered by Teacher</p>	<p>Singing way, lecture method and written work</p>	<p>How to justify the Raag from swar rendered and knowledge of writing biography</p>
<p>OCTOBER :</p> <p>Theory : Ability to write notation of composition in above Raag</p> <p>Practical : One Vilambit khayal and recitation of Tilwada Taal with hand</p>	<p>Notation writing, hand beats and lecture method</p>	<p>How to writing notation of Taals</p>

baets		
NOVEMBER : Theory : Ability to write notation of composition in above Taals with Dugun, Tigun, and Chaugun Practical : Vilambit khayal	Lecture method, hand beats, singing way and notation writing	Writing notation in laykari way and singing way
DECEMBER : Theory : Knowledge the Structure and Tuning of Tanpura, life sketch and contribution of Omkar Nath Thakur Practical : Revision of all Raag and Taal	Written work, lecture method and singing way	How tuning the instrumental music

CURRICULUM 2023-24
SUBJECT – COMPUTER SCIENCE
CLASS-X

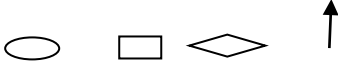
LEARNING OBJECTIVES:-

1. To make the students aware about the types of languages used in computer (High Level Language, Low Level language and Machine Language)
2. How does computer perform conversion based on Binary and Decimal conversion
3. Concept of Flow chart and Algorithm
4. To make the students aware about the concept of web designing in today's world
5. To be able to use HTML as a computer Language

MONTH AND NO OF WORKING DAYS- April (18 days)

S.No	Chapter	Methodology	Learning Outcomes
1.	Binary and Decimal Conversions	Explanation of Conversions with the help of Sums using Blackboards	<ul style="list-style-type: none"> • To know the concept of bits • How the computer can understand machine language

MONTH AND NO OF WORKING DAYS- May (16)

S.No	Chapter	Methodology	Learning Outcomes
2.	Flow chart	Explanation of flow charts using symbols 	<ul style="list-style-type: none"> • To develop the logical thinking ability for creation of programs

MONTH AND NUMBER OF WORKING DAYS – July(22)

S.No	Chapter	Methodology	Learning Outcomes
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3	Flow chart	Practicing various flow charts using symbols	<ul style="list-style-type: none"> To develop logical thinking ability for creation of programs
4.	Algorithms	Explanation step by step instructions of Algo by framing Algorithms	<ul style="list-style-type: none"> The need for algorithms To develop base for programming

MONTH AND NUMBER OF WORKING DAYS – August (23)

S.No	Chapter	Methodology	Learning Outcomes
5	Creating HTML Documents	Interactive method using book and blackboard In practical students will be explained various tags	<ul style="list-style-type: none"> Students will be able to know about the types of tags and its usage.

MONTH AND NUMBER OF WORKING DAYS-September(23)

Practical Exam to be taken of HTML

MONTH AND NUMBER OF WORKING DAYS- October(20)

S.No	Chapter	Methodology	Learning Outcomes
6.	Using Images and linking web pages	Interactive session explaining the various tags in HTML and in practical displaying how the web pages can be linked and images inserted	<ul style="list-style-type: none"> To know the concept of bits How the computer can understand machine language

MONTH AND NUMBER OF WORKING DAYS -November (19)

S.No	Chapter	Methodology	Learning Outcomes
7.	Introduction to HTML tables	Explanation of tags used to create the tables and in practical display the table creation on the system	<ul style="list-style-type: none"> Students will be able to insert tables in HTML

MONTH AND NUMBER OF WORKING DAYS – December(22)

S.No	Chapter	Methodology	Learning Outcomes
8.	HTML Tables (to be continued)	Explanation of tags used to create the tables and in practical display the table creation on the system	<ul style="list-style-type: none"> Students will be able to insert tables in HTML

MONTH AND NUMBER OF WORKING DAYS – January(18)

S.No	Chapter	Methodology	Learning Outcomes
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Yoga	Class X
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9.	HTML Tables – Image insertion in tables	Explanation of tags used to insert images in the tables and in practical display the image creation in table creation on the system	• Students will be able to insert images in tables in HTML
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MONTH AND NUMBER OF WORKING DAYS – February (15)

Practical Exam will be conducted

<p>April 18 days</p>	<p>Om Chanting Sukshma vayama <u>Asana :</u></p> <ul style="list-style-type: none"> • Tadaasana • Virikshasana • Hastottanasana • Padahastasana <p><u>Pranayama</u></p> <ul style="list-style-type: none"> • <u>Bhramari</u> <p>Mediatation</p>
<p>May 16 days</p>	<p>Om Chanting Sukshma vayama Asana :</p> <ul style="list-style-type: none"> • Tadaasana • Trikonasana • Virikshasana • Hastottanasana • Tritadaasana • Halasana • Paschimotanasana <p><u>Pranayama</u></p> <ul style="list-style-type: none"> • <u>Bhramari</u> <p><u>Neytra Shakti Vikashak</u> Mediatation</p>
<p>June</p>	<p>Summer Vacation</p>
<p>July 22 days</p>	<p>Om Chanting Surya Namaskar <u>Asana :</u></p> <ul style="list-style-type: none"> • Tadaasana • Virikshasana • Hastottanasana • Padahastasana • Padmasana • Baddha konasana • Chakki chalanasana • Nauka chalanasana • Vajrasana <p><u>Pranayama</u></p> <ul style="list-style-type: none"> • <u>Bhramari</u> • <u>Sitali pranayama</u> <p><u>Neytra Shakti Vikashak</u> Mediatation</p>
<p>August 23 days</p>	<p>Practical</p>
<p>September 23 days</p>	<p>Om Chanting Surya Namaskar <u>Asana :</u></p> <ul style="list-style-type: none"> • <u>Gomukhasana</u>

	<ul style="list-style-type: none"> • <u>Dandasan</u> • <u>Arda matsyendrasana</u> • <u>Makarasana</u> • <u>Pavanmuktasana</u> • <u>Bhunamasana</u> <p><u>Bhairava Mudra</u> <u>Pranayama</u></p> <ul style="list-style-type: none"> • <u>Bhramari</u> • <u>Sitali pranayama</u> • Anuloma viloma <p>Mediatation</p>
October 20 Days	<p>Om Chanting Surya Namaskar <u>Asana :</u></p> <ul style="list-style-type: none"> • <u>Sarvangasana</u> • <u>Rajakapotasan</u> • <u>Ustrasana</u> • <u>Viprit naukasan</u> • <u>Setu bandhasan</u> <p>Mediatation</p> <p><u>Pranayama</u></p> <ul style="list-style-type: none"> • <u>Bhramari</u> • <u>Surya Bhedana pranayama</u> • Anuloma Viloma <p>Mediatation</p>
November 19 Days	<p>Om Chanting Surya Namaskar <u>Asana :</u></p> <ul style="list-style-type: none"> • <u>Sarvangasana</u> • <u>Rajakapotasan</u> • <u>Ustrasana</u> • <u>Viprit naukasan</u> • <u>Setu bandhasan</u> <p><u>Tratak Kiya</u> <u>Pranayama</u></p> <ul style="list-style-type: none"> • <u>Bhramari</u> • <u>Surya Bhedana pranayama</u> • Kapalbhati pranayam <p>Mediatation</p>
December 22 Days	<p>Om Chanting Surya Namaskar <u>Asana :</u></p> <ul style="list-style-type: none"> • Practice of all asanas <p><u>Tratak Kiya</u></p>

	<p><u>Pranayama</u></p> <ul style="list-style-type: none"> • <u>Bhramari</u> • <u>Surya Bhedana pranayama</u> • <u>Sitali pranayama</u> • Kapalbhati pranayam
<p>January 18 Days</p>	<p>Om Chanting Surya Namaskar</p> <p><u>Asana :</u></p> <ul style="list-style-type: none"> • Practice of all asanas <p><u>Pranayama</u></p> <ul style="list-style-type: none"> • <u>Bhramari</u> • <u>Surya Bhedana pranayama</u> • <u>Sitali pranayama</u> • Kapalbhati pranayam
<p>February</p>	<p>Practical</p>