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CLASS X ENGLISH LANGUAGE & LITERATURE (184)

SYLLABUS BREAK UP 2022-23

TIME DURATION	Sl. No.	NAME OF THE LESSON/SYLLABUS TO BE COVERED	No. OF TEACHING PERIODS	PEDAGOGY	ACTIVITY/ART INTEGRATED ACTIVITY
1.4.22-15.4.22 10 days 16.4.22 - 30.4.22 12 days	1	a) LETTER TO GOD	5	*Demonstration - model reading/ recitation by teacher *E-Learning (through videos and PPTs) * Brainstorming on possible interpretation * Group Discussion-poetic style -	*Read the lesson carefully and draw a pictorial description of the location of Lencho's house and surroundings showing details that you gather from your reading. 2. *Write a letter to God describing the grave situation in your country today due to the pandemic and praying for a better tomorrow.
	2	b) DUST OF SNOW	3		
	3	c) FIRE AND ICE	2		
	4	EDITING	3	*Demonstration, * Inquiry based instruction *Deductive method	
	5	NELSON MANDELA- A LONG WALK TO FREEDOM – (biographical extract)	6	*Recalling prior knowledge – whole class discussion *Introduction to Apartheid *Reading & explanation *summarizing	*Mind Mapping (Art integrated act) *Documentary On Mandela (video) 5mnts
	6	OMISSION	3	*Demonstration, * Inquiry based instruction *Deductive method	*Practice questions
1.5.22 – 20.5.22 10 days	7	A TIGER IN THE ZOO – poetry	4	*Warm up discussion – life in captivity vs. Life in freedom * Recitation and explanation *Summarizing	Picture study *Paraphrasing poetry *Sharing notes/views and

	8	FORMAL LETTER WRITING (to the Editor)	2	<ul style="list-style-type: none"> *Demonstration *Format,content * Key nuances * Content *Model letter by teacher 	<p>feelings on wild animals kept in captivity by humans (zoos)</p> <ul style="list-style-type: none"> * Sample letter attempted * Assignments – Class & Home
	9	CLOZE FILLING	2	<ul style="list-style-type: none"> *Grammar translation method *Guided attempt by student in class 	<ul style="list-style-type: none"> *Practice exercises- guided and independent
	10	LETTER OF COMPLAINT (OFFICIAL & BUSINESS)	2	<ul style="list-style-type: none"> *Demonstration *Format,content * Key nuances * Content *Model letter by teacher 	<ul style="list-style-type: none"> * Sample letter attempted * Assignments – Class & Home
<p><i>1.7.22-15.7.22</i> <i>7 days</i></p>	11	A TRIUMPH OF SURGERY	5	<ul style="list-style-type: none"> *warm up discussions-pets & owners *Reading & explanation 	<ul style="list-style-type: none"> *Flowchart-summary
	12	GRAMMAR-REPORTED SPEECH	2	<ul style="list-style-type: none"> *Deductive method *Inquiry method *Independent study 	<ul style="list-style-type: none"> *Drill *multiple exercises
<p><i>16.7.22-31.7.22</i> <i>13 days</i></p>	13	GRAMMAR-REPORTED SPEECH	3	<ul style="list-style-type: none"> *Deductive method *Inquiry method *Independent study 	<ul style="list-style-type: none"> *Drill *multiple exercises
	14	ASL	10	<ul style="list-style-type: none"> *Research on topic *Promotes creative thinking *Hones soft skills - listening, speaking 	<ul style="list-style-type: none"> *Presentation of final product by student in class

1.8.22- 15.8.22 8 days	15	TWO STORIES ABOUT FLYING- HIS FIRST FLIGHT	3	*Lesson /poem reading, explanation *E- learning (videos/PPT) *Case based group discussion	Write a short composition on your initial attempt at learning a skill. Describe the challenges faced by you while learning to ride a bicycle or swimming. Who guided you to learn the skill?
		THE BLACK AEROPLANE	2	*Pre-reading :Do you believe in the supernatural? *Brainstorming What was the black aeroplane?	
	16	FROM THE DIARY OF ANNE FRANK	3	*Classical method *Brainstorming *Peer learning *Drawing from prior knowledge	*List the poetic devices used in the poem
16.8.22 - 31.8.22 13 days	17	THE THIEF'S STORY	3	*Direct method *Analysing human virtues (Anil vs. Hari) through interaction/discussion	* Biographical sketch -Ruskin Bond *Read work by author
	18	THE HUNDRED DRESSES – I	4	*Direct approach *Reading	*Draw the dresses Wanda gifted to Peggy and Maddy as per the details in the lesson and using your imagination
	19	THE HUNDRED DRESSES – II	4	*Case based discussion	

	20	THE BALL POEM	2	<ul style="list-style-type: none"> *The Poet *Purpose *Analysis *conclusion *Aural-oral approach *Inquiry based instruction 	<ul style="list-style-type: none"> *Essay /Article writing– “Coping with loss” *Recitation *Drawing symbolism and metaphors in poetry
1.9.22-15.9.22 6 days	21	FOOTPRINTS WITHOUT FEET	3	<ul style="list-style-type: none"> *Direct approach *Reading and case based discussion 	*Discussion on the underlying theme.
	22	REVISION	3		
16.9.22-30.9.22 5 days	23	LETTER OF ENQUIRY	3	<ul style="list-style-type: none"> *Demonstration *Format, content recalling and applying prior knowledge *Independent study 	*Letter writing– reinforced through classwork & home assignment
	24	THE TALE OF CUSTARD THE DRAGON	2	<ul style="list-style-type: none"> *Introduction to humour in poetry *Reading aloud *Figurative language 	<ul style="list-style-type: none"> *Visualization of information gathered in class activity- G.O *Whole class discussion- endearing & typical animal traits
1.10.22-15.10.22 8 days	25	THE PROPOSAL	4	<ul style="list-style-type: none"> *Role play in loud reading *summarizing -key developments *character traits of the protagonists *Loud class reading *Enactment *Post reading discussion 	<ul style="list-style-type: none"> *Indian vs. Russian marriages *The need for changing the narrative *Role play

	26	THE SERMON AT BENARES	2	*Recall prior knowledge of the city and sights *visualization of information	*G.O *Bubble mapping of details in lesson
	27	ANIMALS	2	*Comparative study of virtues/vices of humans vs. Animals *Paraphrasing	*Discussion and Deductions thereof
16.10.22-31.10.22 10 days	28	MADAM RIDES THE BUS	4	*Student led class room *Differentiation: Importance of planning in execution	*Plan a Christmas party for your class at school Give all details and arrangement you would make(cue-Valli)
	29	THE HACK DRIVER	4	*Direct approach *Reading *Case based discussion	*Compare and contrast the two main characters of the story-character adjectives
	30	LETTER OF ORDER	2	*Demonstration *Format, content recalling and applying prior knowledge *Independent study	*Sample question-demonstration *Guided attempt by student *Independent attempt
1.11.22-15.11.22 11 days	31	BHOLI	4	*Direct method *vocabulary *Brainstorming *Group discussion	*Digital story – 'Education transforms lives
	32	ANALYTICAL PARAGRAPH	3	*Visualization of information-data interpretation, key words, comparative and sequence connectors *Inquiry method *Demonstration	*Sample question-demonstration *Guided attempt by student *Independent attempt
	33	THE NECKLACE	4	*Direct approach	

<p>16.11.22- 31.11.22 13 days</p>	34	GLIMPSES OF INDIA	4	<ul style="list-style-type: none"> *Reading *Case based discussion 	<ul style="list-style-type: none"> *Discussion-extrapolative question on the moral/ learning outcome
				<ul style="list-style-type: none"> *Reading & explanation *Visualisation *Digital stories on India * Inquiry based instruction 	<ul style="list-style-type: none"> *ART INTEGRATED PROJECT on GLIMPSES OF INDIA
	35	THE MAKING OF A SCIENTIST	4	<ul style="list-style-type: none"> *Independent study leading to a product/ learning outcome *audio-visual method 	<ul style="list-style-type: none"> *Read the lesson The Making of a Scientist in the supplementary reader. Now explore the internet/resource book/your textbook to find answers to questions. *Watch the you tube video shared in your Whats app English class group.
	36	AMANDA!	2	<ul style="list-style-type: none"> *Visualization of information * Recitation & explanation 	
	37	REVISION	3		

हिंदी पाठ्यक्रम (2022-2023)

कक्षा 10

क्रम संख्या	अवधि	अध्यापन कालांश	पाठ/topic	शिक्षण विधि	कला समेकित ज्ञान/ गतिविधियां
1	अप्रैल 1 st -15	10	बड़े भाई साहब, कबीर की साखियां, अनुच्छेद लेखन, मुहावरे	व्याख्यान शैली, उदाहरण शैली, स्वानुग्रहण लेखन शैली	केवल अनुभव से प्राप्त ज्ञान ही महत्वपूर्ण है - विषय पर वाद-विवाद, सामूहिक चर्चा
2	अप्रैल 16-30	11-12	हरिहर काका, समास , पत्र लेखन	दृश्य श्रव्य सामग्री, उदाहरण शैली, संवादात्मक शैली	पाठ के मूल भाव पर आधारित वाद विवाद, समूह चर्चा- सामाजिक मूल्यों के विघटन पर
3	मई 1-20	9-10	मीराबाई, पदबंध, अपठित गद्यांश	व्याख्यान शैली	सिक्किम का धार्मिक परिवेश, अनुच्छेद लेखन-संपूर्ण समर्पण एवं एकाग्रता से ही सफलता संभव
4	जुलाई 1 -15	6-7	ततारा वामीरो कथा, वाक्य-रूपांतरण	पूर्व ज्ञान पर आधारित, उदाहरण शैली, व्याकरण-अभ्यास प्रश्न द्वारा विषय स्पष्टीकरण	सिक्किम का रहन-सहन खान-पान व वेशभूषा का सचित्र वर्णन। स्वनिर्मित दोहे का सस्वर वाचन अथवा अर्थ सहित नीतिपरक दोहों का सस्वर वाचन।
5	जुलाई 16 -31	12-13	-वाक्य रूपांतरण - मनुष्यता	प्रश्न शैली आदर्श वाचन तथा अनुकरण वचन	श्रवण व वाचन गतिविधि, अनुच्छेद लेखन- नैतिक मूल्यों का जीवन में महत्व प्रवाह चित्र प्रश्न निर्माण
6	अगस्त 1-15	7-8	अब कहाँ दूसरे के दुख में दुखी होने वाले	सामाजिक अंतः क्रिया, कवि परिचय,	समूह चर्चा : समाज में मानवीय मूल्यों की कमी के कारण और समाधान

			सूचना लेखन	दृश्य श्रव्य सामग्री, प्रारूप का ज्ञान, उदाहरण शैली	
7	अगस्त 16-31	12-13	सपनों के से दिन (संचयन) लघुकथा लेखन, विज्ञापन	संवाद आत्मक शैली	विज्ञापन निर्माण- विद्यालय प्रवेश हेतु। लघु कथा लेखन- शैतान ओमा
8	सितंबर 1-15	5-6	पुनरावृत्ति, समस्या समाधान	सहभागिता अधिगम , प्रतिदर्श प्रश्न पत्र	प्रश्न निर्माण द्वारा पुनरावृत्ति
10	सितंबर 16 -30	4-5	टोपी शुक्ला (संचयन)	व्याख्यान शैली उदाहरण शैली	श्रवण व वाचन कौशल गतिविधि, रचनात्मक कौशल (निर्णय व स्थिति मूल्यांकन की क्षमता)
11	अक्टूबर 1-15	7-8	-टोपी शुक्ला (संचयन) (आगे जारी) -पर्वत प्रदेश में पावस (कविता)	प्रश्न शैली व्याख्यान शैली उदाहरण शैली	*सिक्किम का प्राकृतिक व भौगोलिक सौंदर्य *परिचर्चा- प्रकृति का संरक्षण, मानव का रक्षण। (मौलिक विचारों की प्रस्तुति) *विज्ञापन- पर्यावरण संरक्षण * रोल प्ले
12	अक्टूबर 16 -31	9-10	-कर चले हम फिदा (कविता) - पतझड़ में टूटी पत्तियाँ- झेन की देन	दृश्य श्रव्य सामग्री, कविता के प्रकार, व्याख्यान शैली, ऐतिहासिक पृष्ठभूमि, उदाहरण शैली	समूह चर्चा गद्य पाठों के मूल भावों पर आधारित लघु कथा वाचन कौशल गतिविधि, उच्च स्तरीय चिंतन कौशल
13	नवंबर 1 -15	8-9	कारतूस प्रतिदर्श प्रश्न पत्र अभ्यास	संवादात्मक शैली, व्याख्यान शैली	समूह चर्चा, रोल प्ले / एकल अभिनय

प्रथम यूनिट परीक्षा

बड़े भाई साहब ,

कबीर की साखियां

हरिहर काका (संचयन)

समास, , पदबंध , बड़े भाई साहब पाठ से संबंधित मुहावरे

अपठित गद्यांश

अनुच्छेद लेखन

पत्र लेखन

प्रथम सत्रीय परीक्षा – 1 - अप्रैल से अगस्त तक का पाठ्यक्रम प्रथम सत्रीय परीक्षा में आएगा।

श्रवण कथा वाचन कौशल

परियोजना कार्य

प्री बोर्ड परीक्षा 1 - संपूर्ण पाठ्यक्रम परीक्षा में सम्मिलित होगा ।

प्री बोर्ड परीक्षा 2 —संपूर्ण पाठ्यक्रम परीक्षा में सम्मिलित होगा।

MATHEMATICS SYLLABUS – CLASS X (SESSION 2022-23)

S.No	Duration	Chapter /Topic	No. of Teaching Periods	Concepts covered	Pedagogy	Activities
Semester-I						
1.	1-15 April	Real Numbers	11	Euclid's <i>Division</i> Lemma, FTA, Revisiting rational and irrational numbers	Deductive, Brainstorming, Problem Solving, Playway	Crossword puzzle, solving the problems in group Drawing of factor tree.
		Polynomials		Geometric meaning of zeroes of polynomial.	Problem Solving, Inducto-deductive	Obtaining zero/zeroes of the polynomials using the graph
2.	16-30 April	Polynomials (contd)	11	Relation between zeroes and coefficients of a QP, Division Algorithm,	-do-	--
		Pair of Linear Equations in two variables		Graphical and algebraic method of solving a pair of linear equations	Problem Solving	Drawing graphs to verify the conditions for consistency of a system of L.E. in two variables
3.	1-15 May	Pair of Linear Equations in two variables (contd)	11	Algebraic methods of solving pair of linear equations	-do-	-do-
		Introduction to Trigonometry		T-ratios of specific angles	Explicit instructions, Problem Solving, Brainstorming	Drawing of trigonometric table – understanding the concept by drawing figures
4.	16-21 May	Introduction to Trigonometry (contd)	5	T-ratios of Complementary angles, T-Identities	-do-	--
5.	1-15 July	Triangles	7	Thales Theorem, Similarity criteria of Triangles, Ratio of Areas of similar Triangles, Pythagoras	Problem Solving, Heuristic	Paper cutting and Pasting activity to prove Pythagoras Theorem

				Theorem and its Converse		
6.	16-31 July	Triangles (contd) Areas Related to Circles	11	Perimeter and Area of a Circle, Areas of : (i) Sector and Segment of Circle (ii) Combinations of plane figures	Problem Solving, Pictorial Method	Paper cutting and pasting activity to find areas of sectors formed at the vertices of a Triangle
7.	1-15 August	Probability	9	Theoretical approach	Problem Solving method	Tossing coins, rolling dice, playing cards game, selecting balls from a bag
		Coordinate Geometry		Distance Formula, Section Formula, Area of a Triangle	Problem Solving	Solving the problem in a group
8.	16-31 August	Coordinate Geometry (contd) Application of trigonometry	12	Height and distances	Hueristic, Brainstroming	Drawing figure to express given situation and use to solve the question.
Semester - II						
7.	1-10 Sept & 24-30 Sept	Arithmetic Progressions	11	n^{th} Term of an A.P.,	Inducto-deductive, Heuristic, Problem Solving, Brainstorming	Using Graph and colours to verify the sum of n natural numbers
10.	1-15 October	Arithmetic Progressions <i>contd....</i>	10	Sum of n terms of an A.P.		
		Statistics		Mean, Median and Mode of grouped data, Ogives	Problem Solving	Finding median using the graph
11.	16-31 October	Circles	12	Tangents to a Circle	Brainstorming, Inducto-deductive	Paper folding and pasting activity to obtain a pair of tangents to a circle from an external point

		Constructions		Division of a Line Segment, Construction of similar triangles, Construction of tangents to a circle	Explicit Instructions	Construction using geometrical instruments will be done by students
12.	1-15 November	Quadratic Equations	12	Solving a Q.E. using Factorization Method and Quadratic Formula, Nature of the roots	Problem Solving	Students will frame the equations themselves using the given conditions in words problems and solve
		Surface Areas and Volumes		Surface area and volume of combinations of solid, Conversion of solid from one shape to another, Frustum of a cone	Problem Solving, Inducto-deductive	Paper cutting and pasting activity to obtain surface area of cylinder

Note : Students will be asked to do subject enrichment activities in the Maths Activity File as per CBSE guidelines.

PERIODIC ASSESSMENT

UNIT TEST –I

- Real Numbers
- Polynomials
- Pair of Linear Equations in two variables
- Introduction to Trigonometry

*Pre-Boards and Boards – complete syllabus is included.

PHYSICS SYLLABUS
CLASS-X (2021-22)

TERM-I

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1.	April 1 st – 30 th	Light: Reflection And Refraction	5	Reflection Of Light	E-Learning, Brainstorming, Discussion, Context based learning.	Draw diagram to verify laws of reflection and image formation by a plane mirror.
2.	May 1 st – 28 th	Light: Reflection And Refraction(Contd)	8	Spherical Mirrors	Learning Through Argumentation, Incidental Learning, Computational Thinking	Draw ray diagrams to show image formation by a concave mirror and convex mirror.
3.	July 1 st – 31 st	Light: Reflection And Refraction(Contd)+ Revision	6	Refraction Of Light	E-Learning, Brainstorming, Discussion, Computational Thinking	Using labs find the focal length of a concave mirror and find the position and types of image formed by it.
4.	August 1 st – 31 st	Human Eye And It's Colourful World	8	Structure and defects of eye, dispersion of light.	E- learning, Discussion, Concept based learning.	Students will be asked to perform activity of making their own rainbow Using shallow container and small mirror.
5.	Sept. 1 st – 15 th	Human Eye And It's Colourful World + Revision.	2	Atmospheric Refraction + Revision	E - learning, Brainstorming, Learning Through Argumentation.	Revision through MCQ based quiz.

Note: Students will be asked to record the practicals in their practical file as per the cbse syllabus.

Periodic Assessment 1: Chapter: Light (Only Reflection Of Light)

Subject Enrichment Activity 1 : Lab activities and their record.

Multiple Assessment 1:

Experiential Learning Activities, MCQ tests, Oral Tests, etc.

Portfolio 1: Assignments and Poster.

TERM-II

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1.	Sept. 16 th – 30 th	Electricity	4	Electric Current and potential difference, Ohm's Law	Activity oriented, Use of Multimedia, Demonstration	
2.	Oct. 1 st – 31 st	Electricity(Contd.)+ Magnetic Effects Of Current	8	Series and Parallel Law Of Resistances, Heating Effects Of Current.	E - learning, Brainstorming, Learning Through Argumentation.	Perform activity through O-Labs to find the resistance of a wire and verify the series and parallel law of resistances.
3.	Nov. 1 st –15 th	Sources Of Energy	2	Sources Of Energy	Learning Through Argumentation, Incidental Learning, Computational Thinking	Design a poster comparing the pollution levels and causes of pollution in Delhi and Sikkim around Diwali.

Subject Enrichment Activity 2: Lab activities and their record.

Multiple Assessment 2:

Experiential Learning Activities, MCQ tests, Oral Tests, etc.

Portfolio 2: Assignments and Poster.

CHEMISTRY SYLLABUS

CLASS X (2022-23)

TERM-I

S. No.	Duration	Chapter / Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated / Other Activities
1.	April 1 st – 30 th	Chapter 1- Chemical reactions and Equations	6	Chemical equations, writing and balancing of equations and making it more informative	Brainstorming, Argumentative, Incidental learning, Activity-oriented	Activity to study the burning of Magnesium ribbon, Reaction of Zn with dil HCl and activity to study the reaction of Baking soda with Acetic acid.
2.	May 1 st – 21 st	Chapter 1:- continued Chapter 2: Acids, Bases and Salts	8 8	Types of Chemical Reactions, Corrosion, Rancidity Indicators, Characteristics of Acids and Bases, pH, Chemicals from Salts	Student-teacher interaction, Integrative approach, Experiential learning, Compare- contrast matrix, Daily life experiences	1. Activity to study combination reaction of CaO and water, decomposition of Lead Nitrate. 2. Activity to determine pH value of various substances using Universal indicator
3.	July 11 th – 31 st	Chapter 3: Metals and Non – Metals	6	General Physical and chemical characteristics of Metals and Non- Metals, Ionic bond	Context based learning, Demonstrations, Inquiry based approach, Compare-contrast matrix	Activity to arrange the metals in Reactivity series by performing Displacement reactions
4.	Aug. 1 st – 31 st	Chapter 3:- continued	8	Metallurgy, Corrosion, Covalent bonding,	Questioning, Visualization, Inquiry based ,E - learning	1. 3D – model of Methane molecule using clay

		Chapter 4 Carbon and its compounds		Allotropes of Carbon, Saturated and Unsaturated hydrocarbons, Homologous series, Nomenclature	Computational thinking, Reflective approach, Integrative approach, Creativity	2. Infographic for the homologous series of different functional groups
5.	Sept. 1 st – 12 th	Term-I Exam	-	-	-	-

NOTE:

Students will be asked to perform and record the practicals in their practical file as per the CBSE syllabus.

EXAM	UNIT/LESSON
PT-1	Chapter 1 and Chapter 2.
PT-2 (Term-1)	Chapter 1 + Chapter 2 + Chapter 3

TERM-II

S. No.	Duration	Chapter / Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated / Other Activities
6.	Sept. 26 th – 30 th	Chapter 4:- Carbon and its Compounds continued	2	Chemical properties of Carbon compounds, Ethanol, Ethanoic acid, Soaps and Detergents	Student – teacher interaction, Constructivist, collaborative learning, Independent practice, Brain storming, Context based learning.	<ol style="list-style-type: none"> 1. Activity to prepare ester in the laboratory 2. Activity to prepare soap using vegetable oil and caustic Soda

7.	Oct. 1 st – 31 st	Chapter 5:- Periodic classification of Elements+ Revision	6	Dobereiner's triads, Newland's Law of Octaves, Mendeleev's table, modern periodic table and the trends in it	Questioning, Constructivist, Inquiry based learning, Compare- contrast matrix, Reflective and interdisciplinary approach.	Make your own rhyme/song to learn the periodic table of normal elements (Mnemonics)
8.	Nov.1 st – 12 th	Revision	8	-	-	-

NOTE:

Students will be asked to perform and record the practicals in their practical file as per the CBSE syllabus.

EXAM	UNIT/CHAPTER
Pre board I	Entire syllabus
Pre board II	Entire syllabus.

MONTFORT SCHOOL**SYLLABUS (2022-23)****CLASS: X****SUBJECT: BIOLOGY****TERM I**

S.No.	Duration	Chapter/Topic	No. of Teaching Period	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1.	April 1 st -15 th	Ch – 6 Life processes	5	Autotrophic Nutrition Heterotrophic nutrition	Explanation and Discussion using audio visual aids or E-Learning	Study a temporary mount of leaf peel
2.	April 16 th -22 nd	Ch – 6 Life processes	6	Nutrition in human beings	Experiential learning, Activity based, E-Learning	
3.	May 1 st – 15 th	Ch – 6 Life processes	6	Respiration Aerobic and Anaerobic respiration	Explanation and Discussion using audio visual aids or E-Learning	Study the presence of starch in parts of a leaf.
4.	May 16 th – 28 th	Ch – 6 Life processes	6	Human Respiratory system	Experiential learning, Activity based, E-Learning	Study with the help of an experiment prove that CO ₂ is given out during respiration
5.	July 1 st -15 th	Ch – 6 Life processes Revision & Examination	4	Transportation In human beings Revision + UT 1 Examination	Experiential learning, Activity based, E-Learning	
6.	July 16 th -31 st	Ch – 6 Life processes	4	Transportation in plants	Experiential learning, Activity based, E-Learning	Study the importance of Carbon dioxide for the process of photosynthesis.
7.	Aug. 1 st -15 th	Ch – 6 Life processes	5	Excretion in human beings and plants	Explanation and Discussion using audio visual aids or E-Learning Lab skills oriented	
8.	Aug. 16 th - 31 st	Ch- 15 Our Environment	6	Ecosystem Food chains and food web	Experiential learning, Activity	Find out from the library, internet or newspaper reports,

					based, E-Learning	which chemicals are responsible for the depletion of the ozone layer.
9.	Sept. 1 st -15 th	First Semester Revision and Examination	3	Revision & examination	Practice of HOTS and value based questions	
10.	Sept. 16 th -30 th	First Semester Revision and Examination + Ch-8 How do organisms reproduce?	4	Importance of variation Asexual modes of reproduction	Explanation and Discussion using audio visual aids or E-Learning Lab skills oriented	Observe and study different parts of a seed.

TERM II

11.	Oct. 1 st -15 th	Ch-8 How do organisms reproduce?	5	Sexual reproduction in plants	Practice of HOTS and value based questions	Study of Binary fission in amoeba and budding in yeast and hydra with the help of permanent slides.
12.	Oct. 16 th - 31 st	Ch-9 Heredity and Evolution	5	Heredity Mendel's laws of inheritance	Practice of HOTS and value based questions and sample question papers	Classify a set of traits as inherited or acquired, in order to understand which traits cause a change in genes.
13.	Nov. 1 st – 15 th	Ch-9 Heredity and Evolution	5	Sex determination Speciation	Explanation and Discussion using audio visual aids or E-Learning Lab skills oriented	List down the reasons for changes in DNA copying and their effect on ecosystem, in order to understand the importance of variations
14.	Nov. 16 th -30 th	Revision & Examination	4	Revision + Pre Board 1 examination	Experiential learning, Activity based, E-Learning	
15.	Dec 1 st -15 th	Revision & Examination	4	Revision + Pre Board 1 examination	Experiential learning, Activity based, E-Learning	Revision & Examination
16.	Dec. 15 th -31 st	Revision	5	Concept Revision + Sample papers	Explanation and	Revision and Examination

					Discussion using audio visual aids or E-Learning Lab skills oriented	
17.	Jan. 1 st -15 th	Pre Board II Revision and Examination	5	Revision and Examination	Experiential learning, Activity based, E-Learning	Revision and Examination
18.	Jan. 16 th - 31 st	Revision	5	Concept Revision + Sample papers	Practice of HOTS and value based questions and sample question papers	Revision and Examination
19.	Feb 1 st – 28 th	Revision	5	Concept Revision + Sample papers	Practice of HOTS and value based questions and sample question papers	Revision and Examination

EXAMINATION SCHEDULE

Examination	Max Marks	Month	Syllabus covered
Unit test – I	50 Marks	July	Chapter – 6 Life Processes Nutrition, Respiration
First Semester	80 Marks	September	Chapter – 6 Life processes (Whole Chapter)
Pre-Board (Term I)	80 Marks	November	Chapter – 6 Life processes (Whole Chapter)
Pre-Board II	80 Marks	Jan	Chapter -8 How do organisms reproduce? Chapter-9 Heredity and Evolution Chapter – 15 Our Environment

SOCIAL SCIENCE MONTH WISE BREAK UP OF SYLLABUS (2022-23)
CLASS X

S.NO	DURATION	NO. OF TEACHING PERIODS	TOPICS/ SYLLABUS TO BE COVERED	PEDAGOGY	ART INTEGRATED ACTIVITIES	OTHER ACTIVITIES
1.	1.4.22-15.4.22	10	1.Power Sharing 2. Federalism	Discussion, Critical thinking, brain mapping, case studies Interactive method, Analysing the distribution of administrative powers, Flow charts, Direct teaching, Creative thinking	Collage on the distribution of powers between Centre and State governments	Group Discussion
2.	16.4.22-30.4.22	12	3.Resource and Development 4. Development	Experiential learning, Classification of resources, Critical evaluation of resource exploitation for selfish purposes, importance of sustainable growth and development, collaborative learning through group discussions Discussion, Comparative analysis, audio visuals, Creative thinking, Statistical interpretation of data, Experiential learning through group activity.	Map skills, Resources (soil type, Climate, Flow charts)	Group Discussion on measures for the over all development of our country)

3.	1.5.22-20.5.22	10	5. Sectors of Indian Economy	Interaction, Explanation, Analysis and Synthesis of statistical data , idea generation for a comprehensive plan for sustainable economic development, Peer group Discussion and group activity		Group activity -Debate (Contribution made by different sectors to our GDP)/Any other topic relevant to India's economy.
4.	1.7.22-15.7.22	7	6.The Rise of Nationalism in Europe	Discussion and direct teaching, PPTs and Videos, Picture comprehension, Brain storming, Collaborative learning	Pictorial interpretation of allegories (Germania and Marianne)	Group activity- Role Play/ character sketch of Napoleon, Guiseppe Mazinni, Garibaldi, Victor Emmanuel-II/Process of formation of different Nation States
5.	16.7.22-31.7.22	13	The Rise of Nationalism in Europe (contd) 7.Agriculture	Collaborative learning, peer group discussion, Comparative analysis, Observation table (crops, cropping seasons, Distribution etc.)	Map skills, Flow charts Agriculture patterns (important crops, cropping seasons etc	
6.	1.8.22-15.8.22	8	8.Money and Credit	Concept Maps, Interaction, PPTs, Flow charts Observation table on different sources of credit with their features, Role of RBI,	Flow charts/ Comparative analysis of different sources of credit	Experiential learning (visit to the bank/ conduct survey/ Role play

				importance of SHGs		
7.	16. 8. 22-31.8.22	13	9. Nationalism in India	Explanation (Verbal and PPTS), Videos, Mind maps, Timelines, Activity based learning, Interpretation of historical relevance of different movements(Non Co-operation, Civil Disobedience, Satyagraha, Dandi March), Analysing the role of Mahatma Gandhi and other important leaders	Poster making (Allegories during Nationalist Movements, Timeline related to Nationalist movement)	Independence Day celebration
8.	1. 9.22-15.9.22	6	Revision + 1st Term Exams			
9.	16.9.22-30.9.22	5	10.Political Parties	Interaction, brain storming, Experiential learning(based on different political parties of India) brain storming, Classification of political parties and party systems	Drawing of Political symbols of important Parties of India	Debate on current affairs related to Political Parties/Party Systems
10.	1.10.21-15.10.21	8	11.Globalisation and the Indian Economy	Collaborative learning through group activity, Idea generation, Analysing and synthesising the role of MNCs,		Debate- Impact of Globalisation in India

				expressing ideas on the success of democracies, Critical thinking and reasoning		
13.	16.11.21-30.11.21	12	Revision /Internal assessments			

SYLLABUS FOR PERIODIC TEST 1

Power Sharing

Federalism

Resources and Development

SYLLABUS FOR HALF YEARLY EXAM/PERIODIC TEST 2

The Rise of Nationalism in Europe

Development

Sectors of Indian Economy

Resources and Development

Agriculture

Power Sharing

Federalism

SYLLABUS FOR PRE-BOARD 1/ PERIODIC TEST

Nationalism in India

Manufacturing Industries

Lifelines of National Economy

Political Parties

Outcomes of Democracy

Money and Credit

Globalisation and the Indian Economy

INTERNAL ASSESSMENT (20 Marks)

PEN AND PAPER TESTS - 5 Marks

**MULTIPLE ASSESSMENT through Oral Test/Quiz/Debates and other activities
conducted throughout the year - 5 Marks**

PORTFOLIO (CA/HA/Assignments/Map Activities/posters) – 5marks

PROJECT WORK - Topics for Project: Consumer Awareness

OR

Social Issues

OR

Sustainable Development - 5 Marks

VOC IT SYLLABUS (Sub Code 402)

CLASS-X (2022-23)

TERM-I

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1.	April 1 st – 15 th	PART A-UNIT 1 Employability Skills Communication Skills – II	2-3	Methods of communication Communication Cycle Barriers to effective communication Principles of effective communication Writing Skills	e-Learning, Brainstorming, collaborated	Online group discussion to find communication barriers, reasons of weak communication Write steps of removing comm barriers
2.	April 16 th – 30 th	Part-B – SUBJECT SPECIFIC SKILLS UNIT 1: Digital Documentation (Advanced)	2-3	Create and Apply Styles Insert and use images in Document Create and use Template Create Table of contents Implement Mail Merge	Demonstration Use of Multimedia, Integrated Model	Create Letter heads for school and showroom Send invitation letter to all parents using Mail merge
3	May 1 st - 15 th	PART A: UNIT 2 Self- Management Skills – II PART B: UNIT 2 Unit 2: Electronic Spreadsheet (Advanced)	2-3	Apply Stress management techniques Demonstrate the ability to work independently Using Consolidating Data	e- learning, Brainstorming, demonstration Inquiry based learning	Make flow chart showing Problem Solving, confidence building skills and setting goals Ways Make 4 sheets for 4 sections results and consolidate into one sheet

4.	May 16 th - 31 st	Electronic Spreadsheet (Advanced)	2	Consolidating Data With multiple sheets	Logical and Analytical Approach	Consolidate activity sheets of 4 sections
4.	July 1 st – 15 th	PART B: UNIT 2 CONT PART A : UNIT 3 Information and Communication Technology Skills – II	2-3	Creating Subtotals What IF Analysis Analyse data using Scenarios Goal Seek Operating Systems Task Bar File structure and file concept Care and maintenance of computer Protecting Computers	e- learning, Brainstorming, Integrative Demonstrative Hands on learning	Create sheets for finance company Show simple Interest /increase sales by changing Year or amount List down the Virus and Antivirus software
5.	July 16 th – 31 st	PART B: UNIT 2 (CONT)	4	Solver Multiple Operations Link data and spreadsheets Review changes	e- learning, Reflective demonstrative	Create sales sheets of 4 zones Show the different sales increase with new set of data.
6.	August 1 st – 15 th	PART B: UNIT 2 (CONT)	2	Merge and compare changes Share and review a spreadsheet Create and use Macros Record and Run Macros Add to title bar/Button	Demonstration, e-learning, collaborative	Create sheets for 2 semester activities, share the sheets to compare points
7.	August 16 th – 31 st	PART B: UNIT 4 Web Applications and Security PART B: UNIT 3 Database Management System	4	Accessibility Options Networking Fundamentals Instant Messaging Google Talk Creating and Publishing Web Pages: BLOG Using Online and Offline Blog editors	Demonstration, Discussion Reflective	Name the famous Bloggers, Online and Offline blog software List the field that helps to access school records, banking or employee's data

				Concept of DBMS and RDBMS Features of Database Elements of database Keys in Database		
8.	Sept. 1 st – 15 th	Revision	1-2	Revision for Sem. Exams	Brainstorming, e-learning	Activities based on Symmetry & Visualising Solid Shapes

Note Complete all the activities mentioned in CBSE e-modules and links provided

Semester 1:

Digital Documentation
Electronic Spreadsheet
Communication skill
Self Management

Subject Enrichment Activity 1:

As mentioned in CBSE e-modules

Multiple Assessment 1:

Experiential Learning Activities/ Lab activities, class tests, Viva, Practical tests, etc.

Portfolio 1:

Notebooks, practical work-Writer and Spreadsheet and other Assignments

TERM-II

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
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1.	Sept. 16 th – 30 th	PART A: UNIT 4 Entrepreneurial Skills- II	2	<p>Entrepreneurship and society</p> <p>Qualities and functions of an entrepreneur</p> <p>Role and importance of an entrepreneur</p> <p>Myth about entrepreneurship</p> <p>Entrepreneurship as a career option</p>	Reflective Integrative Brainstorming	Name the CEO of industries like Wipro, OYO and latest Start-ups
2.	Oct. 1 st – 15 th	PART B: UNIT 3 CONT DATABASE MANAGEMENT SYSTEM	2	<p>Create and edit tables using wizard and SQL commands</p> <p>DB objects, RDBMS, data types, DML and DDL commands</p> <p>Perform operations on table</p> <ul style="list-style-type: none"> • Inserting data in the table, • Editing records in the table, • Deleting records from the table, • Sorting data in the table, • Referential integrity, • Creating and editing relationships <p>Field properties</p>	Decomposition Abstraction e-learning hands on practice	<p>Create table for employee's database</p> <p>Add/edit or modify records</p> <p>Generate employees report</p>
3.	Oct. 16 th – 31 st	PART B: UNIT 3 CONT- Structured Query Language (SQL)	3	<ul style="list-style-type: none"> • Database query, • Defining query, • Query creation using wizard, • Creation of query using design view, • Editing a query, • Applying criteria in query – single field, multiple fields, using wildcard, • Performing calculations, • Grouping of data, <p>Sustainable Development</p>	Generalization Evaluation Integrative	<p>High-order thinking tasks.</p> <p>Result pass criteria</p> <p>Sales analysis ,</p> <p>Students' evaluation,</p> <p>employee records</p>
		PART A:UNIT 5 Green Skills - II				

4.	Nov 1 st - 18 th	Database Project And practical assessment	2-3	<ul style="list-style-type: none"> • Real life projects development 	Practical skills and logical approach	Data collection in database for library, Company or hospitals Create Queries, forms and reports.
5.	Nov 19 th - 30 th	Internal practical Assessment	2	<ul style="list-style-type: none"> • Database tests from tables and Queries • SQL commands • Web Skills 	Hands on practice and computational skills	Generate Queries to display data from table based on criteria.

Note: Complete all activities mentioned in CBSE e-module and recap from links provided

Project:

5 DBMS tables
SQL commands of 5 DBMS tables
Create Forms and Reports

Subject Enrichment Activity 2:

Activities mentioned in CBSE module /Real life Projects

Multiple Assessment 2:

short questions/Viva/MCQ /Practical tests, Oral Tests, Practical work submission etc.

Portfolio 2:

Notebooks and Practical and Project work, Assignments

Art Education

Class X, 2022-23

I Semester

April to July:

Two dimensional or pictorial works

Topic: Drawing and Painting

- 1) Fashion Drawing
- 2) Garment Designing/dress designing
- 3) Indian traditional art
- 4) Cartoons and caricature

August to September

Topic: Painting

- 1) Water colour painting
- 2) Pastel/Pencil Colour painting

II Semester

October

Topic: Calligraphy Art

November to December

Topic: Collage Painting

January to February 2023: Three dimensional or Sculptural Activities

Topic: Clay Modelling

- 1) Making different forms and shape with clay
- 2) Making shapes and forms of human figures, Birds, Animals, Vegetables, Fruits and Jewellery etc

HOLIDAY HOMEWORK

Picture composition or a portrait on 1/4th cartridge sheet with any medium.

Physical Education –X (2022-23)

Semester –I

Track and field (Boys/Girls)

1. 100m race
2. 200m race
3. 400m race
4. 4x100m race
5. Short-put
6. Standing broad jump(fitness test)
7. Height and Weight (Boys/Girls)

Semester – II

1. Cricket – Boys/Girls
2. Volleyball – Boys
3. Throwball – Girls

Cricket :

- Practice the techniques learnt in previous classes.
- Different front foot and back foot strokes.

Volleyball :

- Rules and regulations.
- Tennis service.
- Fingering.
- Under arm pass
- Game practice.

Throwball:

- Different service techniques.
- Different catching techniques.
- Different throwing techniques
- Game practice.

Shuttle Run (fitness test)