

Montfort School

Ashok Vihar, Delhi -110052



Syllabus 2023-24

Class - **X**

CLASS X ENGLISH LANGUAGE & LITERATURE (184)

SYLLABUS BREAK UP 2023-2024

TIME DURATION	Sl. No.	NAME OF THE LESSON/SYLLABUS TO BE COVERED	No. OF TEACHING PERIODS	PEDAGOGY	ACTIVITY/ART INTEGRATED ACTIVITY
1.4.22-30.4.22 20 days	1	a) LETTER TO GOD	5	*Demonstration - model reading/ recitation by teacher *E-Learning (through videos and PPTs)	*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. *Mind Mapping (Art integrated act) *Documentary On Mandela (video) 5mnts *Practice questions
	2	b) DUST OF SNOW	2	* Brainstorming on possible interpretation	
	3	c) FIRE AND ICE	2	* Group Discussion-poetic style -	
	4	EDITING	3	*Demonstration, * Inquiry based instruction *Deductive method	
	5	NELSON MANDELA- A LONG WALK TO FREEDOM – (biographical extract)	5	*Recalling prior knowledge – whole class discussion *Introduction to Apartheid *Reading & explanation *summarizing	
	6	OMISSION	3	*Demonstration, * Inquiry based instruction *Deductive method	
1.5.22 – 27.5.22 23 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 feelings on wild animals kept in

					<p>captivity by humans (zoos)</p> <p>* Sample letter attempted</p> <p>* Assignments – Class & Home</p>
8	FORMAL LETTER WRITING (to the Editor)	4	<p>*Demonstration</p> <p>*Format,content</p> <p>* Key nuances</p> <p>* Content</p> <p>*Model letter by teacher</p>		
9	CLOZE FILLING	2	<p>*Grammar translation method</p> <p>*Guided attempt by student in class</p>		<p>*Practice exercises-guided and independent</p>
10	LETTER OF COMPLAINT (OFFICIAL & BUSINESS)	3	<p>*Demonstration</p> <p>*Format,content</p> <p>* Key nuances</p> <p>* Content</p> <p>*Model letter by teacher</p>		<p>* Sample letter attempted</p> <p>* Assignments – Class & Home</p>
11	FOG	2	<p>* Recitation and explanation</p> <p>*Summarizing</p>		<p>*students sharing inputs on their favourite mystery fiction / movie</p>
12	THE MIDNIGHT VISITOR	4	<p>*Introduction-thrillers</p> <p>*whole class discussion -what makes thrillers interesting as fiction</p>		<p>*Essential traits of such work</p>
13	A QUESTION OF TRUST	4	<p>*Introduction -the importance of having faith and trust</p> <p>*Deductive method</p>		

1.7.22- 31.7.22 18 days	14	A TRIUMPH OF SURGERY	5	*warm up discussions-pets & owners *Reading & explanation	*Flowchart- summary
	15	GRAMMAR-TENSES	2	*Deductive method *Inquiry method *Independent study	*Drill *multiple exercises
	16	GRAMMAR-REPORTED SPEECH	3	*Deductive method *Inquiry method *Independent study	*Drill *multiple exercises
	17	ASL	8	*Research on topic *Promotes creative thinking *Hones soft skills - listening, speaking	*Presentation of final product by student in class

1.8.22- 31.8.22 24 days	18	TWO STORIES ABOUT FLYING- HIS FIRST FLIGHT	4	*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? *List the poetic devices used in the poem
		THE BLACK AEROPLANE	3	*Pre-reading :Do you believe in the supernatural? *Brainstorming What was the black aeroplane?	
	19	FROM THE DIARY OF ANNE FRANK	3	*Classical method *Brainstorming *Peer learning *Drawing from prior knowledge	
	20	THE THIEF'S STORY	4	*Direct method *Analysing human virtues (Anil vs. Hari) through interaction/discussion	* Biographical sketch - Ruskin Bond *Read work by author
	21	THE BALL POEM	4	*Direct approach *Reading *Case based discussion	*Essay /Article writing– “Coping with loss” *Recitation *Drawing symbolism and metaphors in poetry
	22	HOW TO TELL WILD ANIMALS	4	*Comparative study of virtues/vices of humans vs. Animals *Paraphrasing	*Women empowerment- SPEECH/PRESENTATION- group work
	23	THE TREES	2	*The Poet *Purpose *Analysis *conclusion *Metaphorical meaning *Aural-oral approach *Inquiry based instruction	

1.9.22- 30.9.22 12 days	24	FOOTPRINTS WITHOUT FEET	4	*Direct approach *Reading and case based discussion	*Discussion on the underlying theme.
	25	REVISION	3		
	26	LETTER OF ENQUIRY	3	*Demonstration *Format, content recalling and applying prior knowledge *Independent study	*Letter writing– reinforced through classwork & home assignment
	27	THE TALE OF CUSTARD THE DRAGON	2	*Introduction to humour in poetry *Reading aloud *Figurative language	*Visualization of information gathered in class activity- G.O *Whole class discussion- endearing & typical animal traits
1.10.22- 31.10.22 23 days	28	THE PROPOSAL	4	*Role play in loud reading *summarizing -key developments *character traits of the protagonists *Loud class reading *Enactment *Post reading discussion	*Indian vs. Russian marriages *The need for changing the narrative *Role play
	29	THE SERMON AT BENARES	3	*Recall prior knowledge of the city and sights *visualization of information	*G.O *Bubble mapping of details in lesson
	30	FOR ANNE GREGORY	2	*Comprehending the underlying message of the poem *Paraphrasing	*Discussion and Deductions thereof

	31	MADAM RIDES THE BUS	4	<ul style="list-style-type: none"> *Student led class room *Differentiation: Importance of planning in execution 	<ul style="list-style-type: none"> *Plan a Christmas party for your class at school Give all details and arrangement you would make(cue-Valli) *Character analysis & Comprehending the relationship between the two main characters of the story-character adjectives
	32	MIJBIL THE OTTER	4	<ul style="list-style-type: none"> *Direct approach *Reading *Case based discussion 	<ul style="list-style-type: none"> *Sample question-demonstration *Guided attempt by student *Independent attempt
	33	LETTER OF PLACING ORDER	2	<ul style="list-style-type: none"> *Demonstration *Format, content recalling and applying prior knowledge *Independent study 	<ul style="list-style-type: none"> *Loud reading *Listening skill test
	34	THE BOOK THAT SAVED THE EARTH	4	<ul style="list-style-type: none"> *Reading to appreciate and understand humour in literature 	
1.11.22-30.11.22 21 days	35	BHOLI	4	<ul style="list-style-type: none"> *Direct method *vocabulary *Brainstorming *Group discussion 	<ul style="list-style-type: none"> *Digital story – 'Education transforms lives
	36	ANALYTICAL PARAGRAPH	3	<ul style="list-style-type: none"> *Visualization of information-data interpretation, key words, comparative and sequence connectors *Inquiry method *Demonstration 	<ul style="list-style-type: none"> *Sample question-demonstration *Guided attempt by student *Independent attempt
	37	THE NECKLACE	4	<ul style="list-style-type: none"> *Direct approach *Reading *Case based discussion 	<ul style="list-style-type: none"> *Discussion- extrapolative question on the moral/ learning outcome
					<ul style="list-style-type: none"> *ART INTEGRATED PROJECT on GLIMPSES

	38	GLIMPSES OF INDIA	4	<ul style="list-style-type: none"> *Reading & explanation *Visualisation *Digital stories on India * Inquiry based instruction 	OF INDIA- LAKSHADWEEP ISLANDS
	39	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.
	36	AMANDA!	2	<ul style="list-style-type: none"> *Visualization of information * Recitation & explanation 	<ul style="list-style-type: none"> *Watch the you tube video shared in your Whats app English class group.

हिंदी पाठ्यक्रम (2023-2024)

कक्षा 10

क्रम संख्या	अवधि	अध्यापन कालांश	पाठ/topic	शिक्षण विधि	कला समेकित ज्ञान/ गतिविधियां
1	अप्रैल 1-30	18-20	बड़े भाई साहब, कबीर की साखियां, अनुच्छेद लेखन, मुहावरे, विज्ञापन लेखन	*पाठन/वाचन, *व्याख्या,अर्थबोध, *दृश्य श्रव्य सामग्री *समूह चर्चा *कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार * कवि परिचय और संदर्भ *पाठन/वाचन, *व्याख्या,अर्थ और भावबोध, *समूह चर्चा /कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार	केवल अनुभव से प्राप्त ज्ञान ही महत्वपूर्ण है -विषय पर वाद-विवाद, सामूहिक चर्चा
2	मई 1-31	20-22	डायरी का एक पन्ना, हरिहर काका, पदबंध, समास, मुहावरे (पठित पाठों पर आधारित), पत्र लेखन , सूचना लेखन	*पाठन/वाचन, *व्याख्या,अर्थबोध, *दृश्य श्रव्य सामग्री *समूह चर्चा *कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार * कवि/ लेखक परिचय और संदर्भ *पाठन/वाचन, *व्याख्या,अर्थ और भावबोध, *समूह चर्चा /कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार अभ्यास विधि	हरिहर काका पाठ के मूल भाव पर आधारित वाद विवाद, समूह चर्चा- सामाजिक मूल्यों के विघटन देश की आजादी के बाद विकास के उद्देश्य में हानिकारक सिद्ध हुए हैं

3	जुलाई 1-31	16 - 18	मीराबाई, ततारा वामीरो कथा , रचना के आधार पर वाक्य रचनांतरण , अपठित गद्यांश	*पाठन/वाचन, *व्याख्या,अर्थबोध, *दृश्य श्रव्य सामग्री *समूह चर्चा *कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार * कवि परिचय और संदर्भ *पाठन/वाचन, *व्याख्या,अर्थ और भावबोध, *समूह चर्चा /कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार *अभ्यास विधि	*अंडमान निकोबार द्वीप समूह और लक्षद्वीप का भौगोलिक परिचय, भाषा और सामाजिक जीवन पर परियोजना कार्य , परिवेश, *अनुच्छेद लेखन- संपूर्ण समर्पण एवं एकाग्रता से ही सफलता संभव
4	अगस्त 1-31	22 - 24	मनुष्यता, तीसरी कसम के शिल्पकार शैलेंद्र, पर्वत प्रदेश में पावस, सपनों के से दिन, लघु कथा लेखन, औपचारिक ईमेल लेखन	*पाठन/वाचन, *व्याख्या,अर्थबोध, *दृश्य श्रव्य सामग्री *समूह चर्चा *कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार * कवि परिचय और संदर्भ *पाठन/वाचन, *व्याख्या,अर्थ और भावबोध, *समूह चर्चा /कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार *अभ्यास विधि	अंडमान निकोबार द्वीपसमूह और लक्षद्वीप के पर्यटन स्थलों पर्यटन के महत्व और उद्योगों के विषय में सचित्र विवरण के विषय पर परियोजना कार्य लघु कथा लेखन - शैतान ओमा
5	सितंबर 1-30	10 - 12	वाचन और श्रवण कौशल मूल्यांकन, पुनरावृत्ति अभ्यास तोप	प्रश्न शैली वाचन निर्देश शैली मूल्यांकन व्याख्यान शैली उदाहरण शैली	श्रवण व वाचन गतिविधि, प्रवाह चित्र प्रश्न निर्माण

6	अक्टूबर 1-31	21 - 23	अब कहाँ दूसरे के दुख में दुखी होने वाले, कर चले हम फिदा पतझर में टूटी पत्तियाँ	*पाठन/वाचन, *व्याख्या,अर्थबोध, *दृश्य श्रव्य सामग्री *समूह चर्चा *कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार * कवि परिचय और संदर्भ *पाठन/वाचन, *व्याख्या,अर्थ और भावबोध, *समूह चर्चा /कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार *अभ्यास विधि	समूह चर्चा : समाज में मानवीय मूल्यों की कमी के कारण और समाधान वर्तमान जीवन में बढ़ते तनाव से मुक्त होने के लिए अंडमान निकोबार द्वीप समूह और लक्षद्वीप जैसे थानों का प्राकृतिक प्रवेश इस प्रकार महत्वपूर्ण हो सकता है इस विषय पर एक समूह प्रस्तुति
7	नवंबर 1-30	20-21	आत्मत्राण , कारतूस, टोपी शुक्ला वाचन और श्रवण कौशल मूल्यांकन	*पाठन/वाचन, *व्याख्या,अर्थबोध, *दृश्य श्रव्य सामग्री *समूह चर्चा *कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार * कवि परिचय और संदर्भ *पाठन/वाचन, *व्याख्या,अर्थ और भावबोध, *समूह चर्चा /कक्षा गतिविधि *सहभागिता से प्रश्नोत्तर विचार *अभ्यास विधि	टोपी शुक्ला पाठ के आधार पर छात्र जीवन की भावनात्मक चुनौतियों से छात्र अपनी दृढ़ता द्वारा मुक्ति पा सकते हैं विषय पर वाचन एवं श्रवण कौशल मूल्यांकन
8	दिसंबर 1-31	5-6	पुनरावृत्ति, समस्या समाधान	सहभागिता अधिगम , प्रतिदर्श प्रश्न पत्र	प्रश्न निर्माण द्वारा पुनरावृत्ति

प्रथम यूनिट परीक्षा

बड़े भाई साहब ,

डायरी का एक पन्ना,

कबीर की साखियाँ ,

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 तथा वाचन कौशल

परियोजना कार्य

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

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

SOCIAL SCIENCE MONTH WISE BREAK UP OF SYLLABUS (2023-24)
CLASS X

S.NO	DURATION	NO. OF TEACHING DAYS	TOPICS/ SYLLABUS TO BE COVERED	PEDAGOGY	ART INTEGRATED ACTIVITIES	OTHER ACTIVITIES
1.	1.4.23-30.4.23	20	<p>1.Power Sharing</p> <p>2. Federalism</p> <p>3.Resource and Development</p> <p>4. Forest and wildlife resources</p>	<p>Discussion, Critical thinking, brain mapping, case studies</p> <p>Interactive method, Analysing the distribution of administrative powers, Flow charts, Direct teaching, Creative thinking</p> <p>Interaction, peer group discussion, Classification of resources, Critical analysis debate on sustainable growth and development, collaborative learning through group discussions</p> <p>Reading, discussion on need to conserve resources</p>	<p>Collage on the distribution of powers between Centre and State governments</p> <p>Map skills, Resources (soil type, Climate, Flow charts)</p>	<p>Group Discussion</p> <p>Debate on need to conserve wildlife resources</p>
2.	1.5.23-27.5.23	22	5.The Rise of Nationalism in Europe	Videos, Picture comprehension, direct teaching, 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

			<p>6. Development</p> <p>Discussion, Comparative analysis, case studies of countries to analyse per capita income Creative thinking, Statistical interpretation of data</p>		<p>different Nation States</p> <p>Group Discussion on measures for the over all development of our country</p>
			<p>7. Sectors of Indian Economy</p> <p>Interaction, Explanation</p>		<p>Group activity -Debate (Contribution made by different sectors to our GDP)/Any other topic relevant to India's economy.</p>
3.	1.7.23-31.7.23	18	<p>8. Water Resources</p> <p>Discussion on reasons of water scarcity in India and measures to conserve water; Multi-purpose projects- advantages and disadvantages</p>	Map work	
			<p>9. Agriculture</p> <p>Collaborative learning, peer group discussion, Comparative analysis, Observation table (crops, cropping seasons, Distribution etc.)</p>	<p>Agriculture patterns (important crops, cropping seasons etc</p>	

			10. Nationalism in India	Explanation 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 (Bharat Mata) Timeline related to Nationalist movement Map skills	Discussion on the role of Gandhiji in the nationalist movements
4.	1.8.23-31.8.23	24	11. Money and Credit 12. Gender, Religion and Caste	Concept Maps, Interaction, PPTs, Flow charts Observation table on different sources of credit with their features, Role of RBI, importance of SHGs Peer group discussion, Enumerate how the differences in gender, religion and caste impact the society and politics of India.	Flow charts/ Comparative analysis of different sources of credit	Experiential learning (visit to the bank/ conduct survey Debate on gender inequality; Caste in politics

			13. Globalisation and the Indian Economy	Collaborative learning through group activity, Idea generation, Analysing and synthesising the role of MNCs, Critically evaluating the role of WTO/Policy of liberalisation		Debate- Impact of Globalisation in India
5.	1. 9.23-30.9.23	12	14. 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
6.	1.10.23-31.10.23	21	15. The age of Industrialisation 16. Minerals and energy resources. 17. Manufacturing Industries	Discussion, watch documentaries on pre and post industrialization period. Textual resource, mind maps, comparative study of conventional and non-conventional sources of energy Flow charts, discussion, Collaborative learning, Classification of industries, Diagram interpretation on	Map Skills Location and labelling – Iron and Steel Industries, Cotton Textile industries, Software	Inter disciplinary project

				<p>manufacturing processes, Impact of industries on environment, Methods to check environmental degradation</p>	<p>technology Parks</p>	
7.	1.11.23-30.11.23	21	<p>18. Lifelines of National Economy</p> <p>19. Outcomes of Democracy</p> <p>20. Making of the global world</p>	<p>Interactive and Collaborative learning, Analysing the importance of Roadways, Railways, Airways, Waterways Classification of different modes of transport Evaluating the role of tourism as a trade</p> <p>Comparative analysis (between democracies and Non-democracies), Context based learning (learning by experience), Collaborative learning through discussions and expressing ideas on the success of democracies, Critical thinking and reasoning</p> <p>Summarize the changes that transformed the world in terms of economy, political, cultural, and technological areas.</p>	<p>Map skills- location and labelling of Seaports, Airports,</p>	<p>Group discussion on importance of communication to our Nation's economy</p> <p>Debate- Democracy Vs Non Democracy</p> <p>Inter-disciplinary project</p>

8.	16.11.23- 30.11.23	12	21. Print Culture	Discussion, interpretation, and comparison of pre and post print age.		Debate on advantages and disadvantages of print.

SYLLABUS FOR PERIODIC TEST 1

Power Sharing

Federalism

Resources and Development

The Rise of Nationalism in Europe

SYLLABUS FOR HALF YEARLY EXAM/PERIODIC TEST 2

The Rise of Nationalism in Europe

Nationalism in India

Development

Sectors of Indian Economy

Resources and Development

Forest and Wildlife Resources

Water Resources

Agriculture

Power Sharing

Federalism

Gender ,Religion and Caste

SYLLABUS FOR PRE-BOARD

Entire Syllabus

INTERNAL ASSESSMENT (20 Marks)

- PEN AND PAPER TESTS – 5 Marks**
MULTIPLE ASSESSMENT through Inter disciplinary project, Oral Test/Quiz/Debates and other activities conducted throughout the year - 5 Marks
PORTFOLIO (CA/HA/Assignments/Map Activities/posters) – 5marks
SUBJECT ENRICHMENT- PROJECT WORK – 5 Marks

(Topics for Project:

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

MATHEMATICS SYLLABUS – CLASS X (SESSION 2023-24)

Sl	Duration	Chapter /Topic	No. of Teaching Periods	Concepts covered	Pedagogy	Activities
Semester-I						
1.	1-30 April	Real Numbers	20	Euclid's <i>Division Lemma</i> , FTA, Revisiting rational and irrational numbers	Deductive, Brainstorming, Problem Solving, Playway	Drawing of factor tree to apply fundamental theorem of Arithmetic.
		Polynomials		Geometric meaning of zeroes of polynomial. Relation between zeroes and coefficients of a QP	Problem Solving, Inducto-deductive	Obtaining zero/zeroes of the polynomials using the graph
		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
2.	1-27 May	Pair of Linear Equations in two variables (contd)	22	Algebraic methods of solving pair of linear equations	-do-	-do-
		Introduction to Trigonometry		T-ratios of specific angles, T-Identities	Explicit instructions, Problem Solving, Brainstorming	Drawing of trigonometric table – understanding the concept by drawing figures
3.	1-31 July	Triangles	18	Thales Theorem, Similarity criteria of Triangles	Problem Solving, Heuristic	Paper cutting and Pasting activity to prove Basic Proportionality Theorem
		Areas Related to Circles		Perimeter and Area of a Circle, Areas of : (i) Sector and Segment of Circle	Problem Solving, Pictorial Method	Paper cutting and pasting activity to find areas of sectors formed at the vertices of a Triangle

4.	1-31 August	Probability	23	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
		Application of trigonometry		Height and distances	Hueristic, Brainstroming	Drawing figure to express given situation and use to solve the question.
Semester - II						
5.	1--30 Sept	Arithmetic Progressions	12	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
6.	1-31 October	Arithmetic Progressions <i>contd....</i>	23	Sum of n terms of an A.P.	-do-	-do-
		Statistics		Mean, Median and Mode of grouped data, Ogives	Problem Solving	Finding median using the graph
		Circles		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
		Quadratic Equations		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

7.	1-15 November	Surface Areas and Volumes	9	Surface area and volume of combinations of solid	Problem Solving, Inducto- deductive	Paper cutting and pasting activity to obtain surface area of cylinder
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Note : As per CBSE guidelines Students will be asked to :

- (a) Do subject enrichment activities in the Maths Activity File.
- (b) Make Art integrated project based on relevant information about the Union Territory (Andaman & Nicobar Islands and Lakshadweep)

PERIODIC ASSESSMENT

UNIT TEST –I

- Real Numbers
- Polynomials
- Pair of Linear Equations in two variables

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

PHYSICS SYLLABUS
CLASS-X (2023-24)

TERM-I

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1.	April	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	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	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	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.	September	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.	September	Electricity	4	Electric Current and potential difference, Ohm's Law	Activity oriented, Use of Multimedia, Demonstration	
2.	October	Electricity(Contd.)	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.	November	Magnetic Effects Of Current	6	Magnetic Effects of current	Learning Through Argumentation, Incidental Learning, Computational Thinking	Drawing magnetic field lines around a straight conductor and a circular ring.

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 (2023-24)
TERM-I

S. No.	Duration	Chapter / Topic	Syllabus Covered	Pedagogy (learner centred)	Art Integrated / Other Activities
1.	April 1 st – 30 th	Chapter 1- Chemical reactions and Equations	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 – 27 th	Chapter 1:- continued Chapter 2: Acids, Bases and Salts	Types of Chemical Reactions, Corrosion, Rancidity Indicators, Characteristics of Acids and Bases, pH,	Student-teacher interaction, Integrative approach, Experiential learning, Compare- contrast matrix, Questioning.	Activity to study combination reaction of CaO and water, decomposition of Lead Nitrate. Activity to determine pH value of various substances using Universal indicator
3.	July 1 st – 31 st	UT-1 Chapter 2: Acids, Bases and Salts	Chemicals from Salts	Demonstration, Experiential learning, Compare- contrast matrix, Daily life experiences	To prepare Infograph for uses of different chemicals.
4.	Aug. 1 st – 31 st	Chapter 3: Metals and Non – Metals	General Physical and chemical characteristics of Metals and Non- Metals, Ionic bond, Metallurgy, Corrosion, Covalent bonding,	Context based learning, Demonstrations, Inquiry based approach, Compare-contrast matrix, Questioning, Visualization, Inquiry based, E-learning	Activity to arrange the metals in Reactivity series by performing Displacement reactions, 3D – model of Methane molecule using Clay
5.	Sept. 1 st – 12 th	Revision + 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
UT-1	Chapter 1 and Chapter 2
Term-1	Chapter 1 + Chapter 2 + Chapter 3

TERM-II

S. No.	Duration	Chapter / Topic	Syllabus Covered	Pedagogy (learner centred)	Art Integrated / Other Activities
6.	Oct. 1 st – 31 st	Chapter 4:- Carbon and its Compounds	Allotropes of Carbon, Saturated and Unsaturated hydrocarbons, Homologous series, Nomenclature, Chemical properties of Carbon compounds- Ethanol	Computational thinking, Reflective approach, Integrative approach, Creativity Student – teacher interaction, Brain storming,	Infographic for the homologous series of different functional groups, Activity to prepare ester in the laboratory
7.	Nov.1 st – 30 th	Chapter 4:- Carbon and its Compounds Revision	Chemical properties of Carbon compounds- Ethanoic acid, Soaps and Detergents	Constructivist, collaborative learning, Independent practice, Brain storming, Context based learning.	Activity to prepare soap using vegetable oil and caustic Soda

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 (2023-24)****CLASS: X****SUBJECT: BIOLOGY****TERM I**

S.No.	Duration	Chapter/Topic	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1.	April	Ch – 6 Life processes	Autotrophic Nutrition Heterotrophic nutrition Nutrition in human beings	Explanation and Discussion using audio visual aids or E-Learning Experiential learning, Activity based, E-Learning	Study a temporary mount of leaf peel
2.	May	Ch – 6 Life processes	Respiration Aerobic and Anaerobic respiration Human Respiratory system	Explanation and Discussion using audio visual aids or E-Learning	Study the presence of starch in parts of a leaf. Study with the help of an experiment prove that CO ₂ is given out during respiration
3.	July	Ch – 6 Life processes Revision & Examination	Revision + UT 1 Examination Transportation In human beings and plants Excretion in human beings and plants	Experiential learning, Activity based, E-Learning	Study the importance of Carbon dioxide for the process of photosynthesis.
4.	August	Ch- 15 Our Environment Ch – 6 Control and Coordination	Ecosystem Food chains and food web Animals – nervous system reflex action Human brain	Experiential learning, Activity based, E-Learning	Find out from the library, internet or newspaper reports, which chemicals are responsible for the depletion of the ozone layer.
5.	September	Ch – 6 Control and Coordination First Semester Revision and Examination	Coordination in plants Hormones in animals Revision & examination	Experiential learning, Activity based, E-Learning Practice of HOTS and value based questions	Observe and study different parts of a seed.

TERM II

6.	October	Ch-8 How do organisms reproduce?	Importance of variation Asexual modes of reproduction Sexual reproduction in plants and human beings	Explanation and Discussion using audio visual aids or E-Learning Lab skills oriented Practice of HOTS and value based questions and sample question papers	Observe and study different parts of a seed Study of Binary fission in amoeba and budding in yeast and hydra with the help of permanent slides.
7.	November	Ch-9 Heredity and Evolution Revision & Examination	Heredity Mendel's laws of inheritance Sex determination Revision + Pre Board 1 examination	Explanation and Discussion using audio visual aids or E-Learning Lab skills oriented Experiential learning, Activity based, E-Learning	Classify a set of traits as inherited or acquired, in order to understand which traits cause a change in genes. List down the reasons for changes in DNA copying and their effect on ecosystem, in order to understand the importance of variations
8.	December	Revision & Examination Revision	Revision + Pre Board 1 examination Concept Revision + Sample papers	Experiential learning, Activity based, E-Learning Explanation	Revision & Examination Revision and Examination
9.	January	Pre Board II Revision and Examination	Revision and Examination Concept Revision + Sample papers	Practice of HOTS and value based questions and sample question papers	Revision and Examination
10.	February	Revision	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 Chapter - 15 Our Environment
Pre-Board I	80 Marks	November	Whole syllabus
Pre-Board II	80 Marks	Jan	Whole syllabus

VOC IT SYLLABUS

CLASS-X (2023-24)

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/Other Activities
1	April	Part-B – SUBJECT SPECIFIC SKILLS UNIT 1: Digital Documentation (Advanced)	2/week	Create and Apply Styles Insert and use images in Document Create and use Template	Demonstration Use of Multimedia, Integrated Model	Apply styles and formatting to create school Letter head, template for Bill, use images for logo and place according to text
2	May	Digital Documentation (Advanced) PART A UNIT 4 Entrepreneur Skills II	2/week	Create Table of contents Implement Mail Merge Functions and Qualities of Entrepreneur	Documentation Indexing and hyperlinking pages Group Discussion and real life examples	Define a hierarchy of headings. • Customize a table of contents. • Create Letter heads for school Send invitation letter to all parents entrepreneurship career options and analyse strengths and weaknesses
3	July	PART A: UNIT 2 Self-Management Skills – II PART B: UNIT 2 Unit 2: Electronic Spreadsheet (Advanced)	2/week	Apply Stress management techniques Demonstrate the ability to work independently Consolidating Data Creating Subtotals What IF Analysis: Scenarios Goal Seek Using Multiple	e- learning, Brainstorming, demonstration Inquiry based learning Hands on learning and practice	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 Create sheets for finance company Show simple Interest /increase sales by changing Year or amount Difference

				operations and solver		between gola seek and solver Analyse data using multiple operations
4	August	PART A : UNIT 3 Information and Communication Technology Skills – II PART B:UNIT 2 Link data and spreadsheets	2/week	Operating Systems Task Bar File structure and file concept Care and maintenance of computer Protecting Computers • Setting up multiple sheets. Relative and absolute hyperlinks • Hyperlinks to the sheet. o Linking to external data.	Follow Procedures for computer maintainance	List down the Virus and Antivirus software Setup multiple sheets by inserting new sheets. • Create reference to other sheets by using keyboard and mouse. • Create reference to other document Create, Edit and Remove hyperlinks to the sheet.
5	September	PART B:UNIT 2 Share and review a spreadsheet Create and Use Macros in spreadsheet	2/week	Setting up a spreadsheet for sharing. • Recording changes. • Add, Edit and Format the comments. • Reviewing changes – Merging and comparing. • Using the macro recorder. macro as a function. • Passing arguments to a macro.	Hands on experience, e-learning	Record changes. • Add, Edit and Format the comments. • Review changes – view, accept or reject changes. • Merge and compare sheets. Use the macro recorder. Create a simple macro to

						find sum ,sort columns
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Note Complete all the activities mentioned in CBSE e-modules and links provided

Semester 1:

Digital Documentation
Electronic Spreadsheet
ICT Skills
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 .

S. No.	Duration	Chapter/Topic	No. of Teaching Periods	Syllabus Covered	Pedagogy (learner centred)	Art Integrated/ Other Activities
6	October	<p>PART B:UNIT 3 Concept of Database Management System</p> <p>Create and edit tables using wizard and SQL commands</p> <p>Relationship – one to one, one to many, many to many, • Field</p>	2/week	<p>Advantages of database, • Features of database, • Relational Database management system tables, queries, forms, and reports of the database, Data types in Base, •Ddl and DML commands</p>	Demonstrate and Illustrate DBMS and RDBM concept	<p>Identify the data and information, • Identify the field, record, table in the database, • Assign the primary key to the field, • , composite primary key, foreign key. Create and edit table using DDL Commands</p>

		properties.				
7	November	<p>Retrieve data using query</p> <p>Create Forms and Reports using wizard</p> <p>PART B:UNIT 4 Working with Accessibility Options.</p> <p>Understand Networking Fundamentals</p> <p>Introduction to Instant Messaging</p> <p>Creating and Publishing Web Pages – Blog Online Transaction</p> <p>Internet Security, Maintain workplace safety, Preve</p>	2/week	<p>Creation of query using design view, • Editing a query, • Applying criteria in query – single field, multiple fields, using wildcard,</p> <p>Serial Keys, use of toggle keys, filter keys, sticky keys, sound sentry, show sounds etc. • Network and its types. • Client Server Architecture, Peer to-peer (P2P)</p> <p>using offline and Online blog editors • Cyber threats • best practices for internet security</p> <p>• Basic safety rules to follow at workplace, Types of Accidents, • Handling Accidents, • Hazards and sources of hazards,</p>		<p>Prepare a query for given criteria, Performing calculations using query in Base Forms, Report Wizard • options under</p> <p>Computer Accessibility</p> <p>• Identify applications of Internet • identifying types of networks</p> <p>Illustrate steps to create instant messaging account</p> <p>demonstration of strong passwords • illustration of internet security</p> <p>Illustrate to handle accidents at workplace Identify hazards and</p>

		nt Accidents and Emergencies ,Protect Health and Safety at work				sources of hazards,
8	December	PART A-UNIT 1 Employability Skills Communication Skills – UNIT 5 Green Skills Project Compilation	2/week	Communication Cycle Barriers to effective communication Principles of effective communication Goals of Sustainable Development DBMS projects	e-Learning, Brainstorming, collaborated Discussions	discussion to find communication barriers, reasons of weak communication Importance of 17 Goals by UN Use Ddl and DML commands

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)

SEMESTER I

April to July 2023

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 2023

Topic: Painting

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

SEMESTER II

October 2023

Topic: Calligraphy Art

November to December 2023

Topic: Collage Painting/Christmas

HOLIDAY HOMEWORK

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

Syllabus Class X

2023-2024

Work Exp/Value Education

Semester I

1. Education System & various streams.
2. Career options.
3. Aptitude Testing and counselling
4. Chapter 1 : Father's help
5. Chapter 2 : Not so ordinary
6. Chapter 3 : My Financial Career
7. Career Seminars (July)
8. Chapter 4 : It's a big 'NO'

Semester II

1. Chapter 5 : The Joker
2. Chapter 6 : To The Devil's Dismay.
3. Chapter 7: The Kite and the String
4. Board Examinations : How to minimize the stress

Project : No to Tobacco

Physical Education Syllabus- 2023-24

Class-X

Semester 1	<ol style="list-style-type: none">1. Track and field events (boys and girls):<ul style="list-style-type: none">• Rules and Regulations• Measurements• Techniques• 100 m Race• 200 m Race• 400 m Race• 4X100 m Race• Shot Put2. Standing Broad Jump (fitness test)3. Preparation of intersection teams4. Height and Weight (boys and girls)
<u>Semester 2</u>	<ol style="list-style-type: none">1. Cricket (boys and girls)<ul style="list-style-type: none">• Practice of techniques learnt in previous classes• Game Practice2. Volleyball..... (boys)<ul style="list-style-type: none">• Rules and Regulations (Revision)• Tennis Service• Fingering• Under arm Pass• Game Practice3. Throw ball(girls)<ul style="list-style-type: none">• Rules and Regulations (Revision)• Different Service Techniques• Different Catching Techniques• Different Throwing Techniques• Game Practice4. Shuttle Run (fitness test)5. March Past