

SYLLABUS PLAN 2023-24

CLASS X

MONTH: APRIL 2023

SUBJECT	F: MATHEMATICS		
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	1Real Numbers	Fundamental theorem of Arithmetics Revisiting Irrational Number	Calculate HCF and LCM of numbers using the prime factorisation method or fundamental theorem of arithmetic Explain the poof of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ as irrational number,
WEEK 3	1Real Numbers 3-Linear Equations in two variables	Revisiting Irrational Number Intoduction to linear equation in two variables, Graphical Solutions,	Solve problems on irrational numbers Recall the previous knowledge on linear equation in two variables, Solve a pair of linear equations in two variables by using the graphical method and
WEEK 4	3-Linear Equations in two variables	Criteria for Consistency ,Number of solutions and intersection Algebraic Methods of solutions - Elimination and substitutuion	Compare the coefficiets and draw iterpretation of the consistency, number of solutions and intersetion of lines Solve a pair of linear equations in two variables by Elimination and substitutuion
WEEK 5	14. Statistics	Introduction to Statistics Mean for Grouped data - Two Methods Mode for Grouped Data	Calculate the mean of grouped data using Direct Method and Assumed Mean Method Calculate the Mode of grouped data using formula
SUBJEC	Г : ENGLISH		
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	Introduction to the syllabus	Discussion on writing skills, reading passage and literature	Students will get a constructive idea about the syllabus and weightage.
WEEK 3	A Triumph of Surgery	Symbolism of the text, comprehending differeny facets. Innovative Teaching - Enquiry Based Learning	Students shall understand that excess of anything has dire consequences
WEEK 4	A Letter to God	Thematic significance of the text,	To instill staunch faith amongst the pupils regarding the power of worship
WEEK 5	Grammar - Editing Passages	Practice sets - Error Correction	To get acquainted with error correction in passages and practice the same.
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SUBJEC	F: PHYSICS		
WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 2	Chapter 10 Light – Reflection and Refraction	* Introduction * Reflection of light	Students will learn the concept of reflection and compare Spherical Mirrors with each other (concave and convex mirror).
WEEK 3	Chapter 10 Light – Reflection and Refraction	* Spherical Mirrors * Image formation by Spherical Mirrors	Draw ray diagrams for image formation by Spherical Mirrors.
WEEK 4	Chapter 10 Light – Reflection and Refraction	* Uses of Spherical Mirrors * Concept of Refraction of light	Students will learn the uses of spherical mirrors and understand the concept of refraction of light.
WEEK 5	Chapter 10 Light – Reflection and Refraction Innovative Method: Peer teaching Student would be divided in groups. Each group would be given a topic from the lesson and asked to prepare a Infographic Poster. The group leader would present the poster to the class.	* Concept of Refractive Index * Spherical Lenses	Students will learn the concept of refractive index. Also Students will compare spherical lenses with each other (Convex and Concave Lenses)
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SUBJEC	F: CHEM/BIO		
WEEK	TOPICS	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 2	Ch 1-Chemical Reactions and Equations	*Types of chemical reactions PRACTICAL DEMONSTRSTION	Define and illustrate decomposition reaction, Combination reaction, Oxidation reduction reaction.
WEEK 3	Ch 1-Chemical Reactions and Equations	*Types of chemical reactions PRACTICAL DEMONSTRSTION	Define Corrosion and rancidity. Give reason for filling chips packets with nitrogen.

WEEK 4	Ch 5- Life Processes	* Nutrition * Autotrophic nutrition PRACTICAL DEMONSTRSTION temporary mount of leaf peel	Define Nutrition. Write equation for photosynthesis. Draw diagram of stomata. Explain the process of opening and closing stomata. Give reason for classifying plants as autotrophs.
WEEK 5	Ch 5- Life Processes	*Tests to prove chlorophyll, CO2 and sunlight required for photosynthesis.*Nutrition in Amoeba.	Identify the importance of chlorophyll in plants. Explain the procedure for testing starch in leaves. Draw diagram showing nutrition in Amoeba.
SUBJEC'	F: SOCIAL		
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	Chapter 1-Resources and Development	1. Types of Resources. 2. Development of Resources. 3. Resource Planning in India. 4. Land Resources. 5. Land Utilization. 6. Land Use Pattern in India. 7. Land Degradation and Conservation Measures. 8. Soil as a Resource. 9. Classification of Soils. 10. Soil Erosion and Soil Conservation	Students will able to :- Understand the value of resources and the need for their judicious utilization and conservation.
WEEK 3	Chapter1- Power Sharing	1.Case Studies of Belgium and Sri Lanka.2. power sharing is desirable?.3.Forms of Power Sharing.	Students will be :- Familiarize with the centrality of power sharing in a democracy. Understand the working of spatial and social power sharing mechanisms.
WEEK 4	Chapter 2-Federalism	1.What is Federalism?.2.What make India a Federal Country?3.How is Federalism practiced? 4.Decentralization in India	Students will able to :- Analyse federal provisions and institutions. Explain decentralization in rural and urban areas

WEEK 5	Chapter 4- Agriculture	Types of Farming – Primitive Subsistence, Intensive Subsistence, Commercial Cropping Pattern – Major Crops, Food Crops other than Grains, Non Food Crops,Technological and InstitutionalReforms.	Explain the importance of agriculture in national economy. Identify various types of farming and discuss the various farming methods; describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes and cropping pattern. Explain various government policies for institutional as well as technological reforms since
SUBJEC	Г : MARATHI		
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	उजळणी - व्याकरण	वचन, लिंग,अव्ययीभाव ,द्विगु ,द्वंद्व समास	*विद्यार्थी वचन, लिंग,अव्ययीभाव ,द्विगु ,द्वंद्व समास या व्याकरणिक संकल्पनाविषयी जाणून घेतील. *विद्यार्थी उदाहरणे सांगतील. *विद्यार्थी उदाहरणे लिहितील.
WEEK 3	२)संतवाणी - अ)अंकिला मी दास तुझा	अभंग	*विद्यार्थी अभगांचा अर्थ समजावून घेतील. *विद्यार्थी अभगांचा अर्थ स्वत:हून सांगतील. *विद्यार्थी चर्चा करतील.
WEEK 4	२)संतवाणी - अ)अंकिला मी दास तुझा	अभंग	*विद्यार्थी अभगांचा अर्थ समजावून घेतील. *विद्यार्थी अभगांचा अर्थ स्वत:हून सांगतील. *विद्यार्थी चर्चा करतील.
WEEK 5	३)शाल	पाठ	*विद्यार्थी पाठाची मध्यवर्ती कल्पना जाणून घेतील. *विद्यार्थी पाठाचे प्रकटवाचन करतील. *विद्यार्थी प्रश्नांची उत्तरे देतील. *विद्यार्थी चर्चेत सहभागी होतील.
SUBJEC	Г : SANSKRIT		
WEEK	MAIN COURSE BOOK	WORK BOOK & GRAMMAR अभ्यासवान भव, व्याकरण वीथि:	EXPECTED LEARNING OUTCOME
WEEK - 2	L-1.शुचिपर्यावरणम्	सन्धि-संयोग, पर्यायवाची आदि	छात्र प्रदूषण की समस्या की समस्या से परिचित हो पाएँगे
WEEK -3	L-1.शुचिपर्यावरणम् क्रिया-कलाप- प्रदूषण के कारण,प्रकार तथा समाधान	प्रत्यय, समास आदि	छात्र प्रदूषण की समस्या की समस्या से परिचित हो पाएँगे
WEEK -4	L-2.बुद्धिर्बलवती सदा	पर्यायपद, विलोमपद, प्रकृति-प्रत्यय	बुद्धिमान लोग अपनी बुद्धि से महान संकट से निकल जाते हैं
WEEK-5	कक्षा परीक्षा	समय:	छात्र संस्कृत में समय लिख पाएँगे
SUBJEC	Г : COMPUTER		
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 3	Python- programming Language	Python - Introduction	Students will be able to understand the history of python and its applications
WEEK 4	Python- programming Language	Python - Installation and operators	Students will learn how to install python and in which mode the program is to be executed

WEEK 5 Python- programming Language	Python- programming Language	Python- Keywords, Identifiers and	Students will learn more about python its keywords,
	statements	identifiers and different statements.	
S	UBJECT : PHYSICAL EDUCATION		
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2 to 5	1. Volleyball 2. Table Tennis 3. March Past	 Warm-up- General & Specific warm- up. Volleyball:- Throw, Pass & Under hand lift Table Tennis: - (Skills & Rules) Griping, Toss, (Service – Backhand & forehand, Chop& Counter March- Past Drill Practice 	1.Better hand-eye coordination. 2. Better cognitive growth. 3. Improve personal fitness through exercises.
SUBJECT	: DANCE		
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1- 5	Dance practice on the song 'Pasoori'	Students will pratice this dance in the form of Aerobics/Zumba	Children will learn how to flexible the body and how it will also helpful for their performance.
SUBJECT	: ART		
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	Colours	Colour Theory	Students will learn the peimary ,secondary and tertiary colour
WEEK 3	Colours	Colour wheel	tertiary colour
WEEK 4	Shapes	Exploring Shapes	attributes of 3D basic shapes
WEEK 5	Activity	Make a zentangle doole	colour contrast