



SYLLABUS PLAN 2024-25

CLASS IX

MONTH: April 2024

SUBJECT: MATHEMATICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	1. Number System	Introduction to number system , Irrational numbers , Irrational numbers on a number line ,	Recall and discuss the number system , Understand the concepts of irrational numbers and rational numbers , Represent irrational numbers on a number line,
WEEK 2	1. Number System	Real numbers and its decimal expansions Expressing decimal numbers in p/q form, Operations on real numbers	Illustrates decimal expansions of rational and irrational numbers Express the decimal form of any rational number in p/q form, Perform various mathematical operations on real numbers,
WEEK 3	1. Number System	Rationalising the denominator, Laws of Exponents on Real Numbers	Rationalise the denominator of irrational numbers , Apply various laws of exponents to real numbers. (Art integration on square root spiral with art)
WEEK 4&5	3 Coordinate Geometry	Cartesian system Plotting points in Cartesian plane	Introduction to coordinate geometry Identify and plot coordinates of points from Cartesian system

SUBJECT : ENGLISH

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	The Fun They Had	Impact of artificial intelligence in the field of education	To enable students to identify the merits and demerits of mechanised methods of teaching and learning.
WEEK 2	Rain on the Roof	Influence of nature on human lives	Students will understand nature's unique ability to alter human emotions
WEEK 3	The Lost Child	Symbolism and theme of the text	To help students understand a child's psychology and his insecurities.
WEEK 4	The Sound of Music	Evelyn rises against all odds	To allow students understand the power of will

SUBJECT : PHYSICS			
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Motion	Motion-rest, Distance and displacement, speed and velocity, acceleration	Understanding the concept of motion and rest, difference between distance and displacement, speed and velocity, concept of acceleration.
WEEK 2	Motion	* uniform and non uniform motion. * Distance -time graph. * Velocity-time graph. * Intext question	Plotting of graph between different quantities
WEEK 3	Motion	* Equations of motion. * Uniform Circular motion. * Numericals	$V = u + at$, $S = ut + \frac{1}{2}at^2$, and $v^2 - u^2 = 2aS$ Definition of circular motion.
WEEK 4	Motion	Exercise and numericals	Able to calculate numerical related to equations.
WEEK 5	Motion	Extra question answers and assignment	Able to give answers.
SUBJECT: IT			
WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	Employability skills- Communication Skills	Writing skills- Parts of speech & activity	After completing this session, students will be able to • use capitalisation and punctuation rules for writing sentences. • identify the basic parts of speech, such as nouns, pronouns, adjectives, verbs and adverbs. • explain the usage of the parts of speech. • identify the supporting parts of speech, such as articles, conjunctions, prepositions and interjections
WEEK 2	Employability skills- Communication Skills	Writing skills- Parts of sentences & Activity	After completing this session, students will be able to • identify the different parts of a sentence. • differentiate between active and passive voice. • identify and compose different types of sentences.
WEEK 3	Employability skills- Communication Skills	Greetings, Types of Greetings, Talking about yourself	After completing this session, students will be able to • greet people formally and informally. • introduce to other people. • introduce other people to their friends
WEEK 4	Employability skills- Communication Skills	Asking Questions, Activity & Revision	After completing this session, students will be able to • ask questions to get correct information from other people. • ask the questions according to a situation

SUBJECT : CHEM/BIO			
WEEK	TOPICS	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	5-The Fundamental Units of Life	* Cell basic unit of living thing . * Robert Hook and discovery of cell * PRACTICAL DEMONSTRATION Parts of microscope and onion peel	Locate the parts of microscope. Compare plant cell and animal cell. Draw plant and animal cell
WEEK 2	5-The Fundamental Units of Life	*Organelles And their functions grow.	List functions of various cell organelles. Give reason for calling plasma membrane as collectively permeable membrane.
WEEK 3	5-The Fundamental Units of Life	* Difference between plant cell and animal cell. PRACTICAL DEMONSTRATION temporary slide observation of plant cell and cheek cell	Differentiate plant cell and animal cell. List the organelles present in plant cell but not in animal cell. Solve ASSIGNMENT 1
WEEK 4&5	1-Matter In our Surroundings	* Characteristics of particle in matter. * Matter changing state. PRACTICAL DEMONSTRATION to show particles continuously move	Distinguish between solids and liquids . Define diffusion. Convert kelvin to calciols scale. Give reason for name dry ice. ASSIGNMENT 2 (Summer Assignment)
SUBJECT: SOCIAL			
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Chapter 1-The story of village palampur	Overview, Organization of production, Farming in Palampur, Non-farm activities of Palampur.	Students will able to :-Familiarize with basic economic concepts through an imaginary story of a village.
WEEK 2	Chapter1-India -size and location	Size, Location, India and the World, India's Neighbours	After reading the chapter, the students will be able to :- Identify the location of India in the Indian subcontinent.
WEEK 3	Chapter 2- Physical features of India.	Major Physiographic Divisions- TheHimalayan Mountains, the Northern Plains, The Peninsular Plateau, The Indian Desert, The Island	Students will able to :-Understand the major landform features and the underlying geological structure; their association with various rocks and minerals as well as nature of soil types.

WEEK 4&5	Chapter 1- The French Revolution	French Society During the Late Eighteenth Century, The Outbreak of the Revolution, France Abolishes Monarchy and Becomes a Republic, Did Women have a Revolution?,The Abolition of Slavery, The Revolution and Everyday Life	Students will able to :- Familiarize with the names of people involved, the different types of ideas that inspired the revolution, the wider forces that shaped it. Know the use of written, oral and visual material to recover the history of revolutions.
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SUBJECT : MARATHI

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	उजळणी - व्याकरण	नाम, सर्वनाम,विशेषण,क्रियापद	*विद्यार्थी नाम, सर्वनाम,विशेषण,क्रियापद या शब्दांच्या जातीविषयी जाणून घेतील. *विद्यार्थी उदाहरणे सांगतील. * विद्यार्थी उदाहरणे लिहितील.
WEEK 2	उजळणी - व्याकरण	अव्यय- क्रियाविशेषण,शब्दयोगी, उभयान्वयी,केवलप्रयो	*विद्यार्थी क्रियाविशेषण,शब्दयोगी,उभयान्वयी,केवलप्रयोगी या शब्दांच्या जातीविषयी जाणून घेतील.*विद्यार्थी उदाहरणे सांगतील. *विद्यार्थी उदाहरणे लिहितील.
WEEK 3	२)संतवाणी - अ) भेटीलागी जीवा	अभंग	*विद्यार्थी अभंगांचा अर्थ समजावून घेतील. *विद्यार्थी अभंगांचा अर्थ स्वतःहून सांगतील. *विद्यार्थी चर्चा करतील.ASSIGNMENT -1
WEEK 4&5	२)संतवाणी - आ) संतकृपा झाली	अभंग	*विद्यार्थी अभंगांचा अर्थ समजावून घेतील. *विद्यार्थी अभंगांचा अर्थ स्वतःहून सांगतील. *विद्यार्थी चर्चा करतील.ASSIGNMENT -2

SUBJECT : COMPUTER

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	AI- Algorithm and Flowchart	Algorithm & Flowchart, Recap and Quiz Time	Students will be able to brush up the topics algorithm and flowchart which they have already learnt in their lower classes.
WEEK 2	AI- Algorithm and Flowchart	Introduction, Algorithm, Activity ,Challenge time and Test your knowledge	Students will learn more about algorithm and will understand the use of algorithm in AI
WEEK 3		Session: Introduction to AI and setting up the context of the curriculum	

WEEK 4	Skill Subject: Introduction to AI	Ice Breaker Activity : Dream Smart Home idea Learners to design a rough layout of floor plan of their dream smart Home https://aidemos.microsoft.com/luis/demo	To identify and appreciate Artificial Intelligence and describe its applications in daily life.
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SUBJECT : PHYSICAL EDUCATION

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1 to 5	Warm-Up Volleyball Table Tennis Athletics	warm-up- General & Specific. Volleyball- (Skills & Rules) Under hand Service, Tennis Service, Tip Lift (Fingering) Under hand lift – Pass, Rotation, Boosting, & Rally. Table Tennis :- Counter , Chop , Top Spin & match Practice	Discipline through games. Better hand-eye coordination. Better cognitive growth. Improve personal fitness through exercise.

SUBJECT : DANCE

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
Week 1 to 5	Dance practice for Dance Day on a theme	Students will practice 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 1-5	Colour information	Primary And secondary Colour	Students will be able to identify the different types colour pattern. Discuss the role of primary and secondary colors in art.

CLASS TEACHER : MALABIKA BHATTACHARJEE