



CLASS : IX

MONTH: APRIL 2023

SUBJECT: MATHEMATICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	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 (Art integration on square root spiral with art)	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.
WEEK 4	2-Polynomials	Introduction to polynomials, Polynomials in One Variable , Zeros of polynomials Remainder theorem and Factor theorem	After completing the lesson, learners should be able to - Identify polynomials and its degree , find the zeroes of linear polynomials , State and apply the Remainder Theorem State the Factor Theorem to solve problems

SUBJECT: MARATHI

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

SUBJECT: CHEM/BIO

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	Ch 5-The Fundamental Units of Life	* Cell basic unit of living thing . * Robert Hook and discovery of cell * <u>PRACTICAL DEMONSTRATION</u> Parts of microscope and onion peel (Plant cell)	<u>Locate</u> the parts of microscope. <u>Compare</u> plant cell and animal cell. <u>Draw</u> plant and animal cell. Draw plant cell and label parts
WEEK 3	Ch 5-The Fundamental Units of Life	*Organelles And their functions grow.	<u>List</u> functions of various cell organelles. <u>Give reason</u> for calling plasma membrane as collectively permeable membrane.
WEEK 4	Ch 5-The Fundamental Units of Life	* Difference between plant cell and animal cell. <u>PRACTICAL DEMONSTRATION</u> 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
WEEK 5	Ch 1-Matter In our Surroundings	* Characteristics of particle in matter. * Matter changing state. <u>PRACTICAL DEMONSTRATION</u> to show particles continuously move	Distinguish between solids and liquids . Define diffusion. Convert kelvin to calciols scale. Give reason for name dry ice.

SUBJECT: ENGLISH

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Introduction to the syllabus	Discussion on writing skills, reading passage and literature	Students will get a constructive idea about the syllabus and weightage.
WEEK 2	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 3	Writing Skill	Formal Letter of complaint	Students will revise the correct format, content and presentation of a formal letter of complaint.
WEEK 4	The Lost Child	Symbolism and theme of the text Innovative Teaching - Peer Learning	To help students understand a child's psychology and his insecurities.
WEEK 5	The Sound of Music	Evelyn's unique ability	To allow students understand the power of will

Subject: DANCE

Weeks	TOPIC	Project/Activity related to Topic	Expected Learning Outcomes
WEEK 1-5	Dance practice for Dance Day on a theme	Students will prattice this dance in the form of Drama and steps of Aerobics/Zumba	Children will learn how to flexible the body and how it will also helpful for their performance.

SUBJECT: ART

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	Colours	Colour Theory	Develops colour knowledge
WEEK 2	Colours	Colour wheel	Students will learn the primary, secondary and tertiary colour
WEEK 3	Shapes	Exploring Shapes	Students will be able to identify defining attributes of 3D basic shapes
WEEK 4	Activity	3D shape making	Students will be able to identify defining attributes of 3D basic shapes

SUBJECT: SOCIAL SCIENCE

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	Chapter 1-The story of village	Overview, Organization of production, Farming in Palampur,	Students will be able to :-Familiarize with basic economic concepts through an imaginary story of a village.
WEEK 3	Chapter 1-India - size and location	Size, Location, India and the World, India's Neighbours	Students will be 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 Solutions.
WEEK 4	Chapter 2-Physical features of India.	Major Physiographic Divisions- The Himalayan Mountains, the Northern Plains, The Peninsular Plateau, The Indian Desert, The Island	Students will be 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 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 be 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.

SUBJECT: PHYSICAL EDUCATION

WEEK	Topic	Activities related to Topic	EXPECTED LEARNING OUTCOMES
WEEK 2 to 5	1. Volleyball 2. Table Tennis 3. March Past	1. Warm-up- General & Specific warm-up. 2. Volleyball:- Throw, Pass & Under hand lift 3. Table Tennis: - (Skills & Rules) Griping, Toss, (Service – Backhand & forehand, Chop & Counter 4. March- Past Drill Practice	1. Better hand-eye coordination. 2. Better cognitive growth. 3. Improve personal fitness through exercises.