



SUBJECT: MATHEMATICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	7. Coordinate Geometry	Distance formula Section formula	Calculate the distance of two points on a plane using distance formula Use section formula to divide a line segment in the given ratio Find the midpoints using section formula
WEEK 2	6. Triangles	Introduction to similarity Problems on Basic Proportionality theorems	To solve problems on Basic Proportionality theorem To assess the learning form the topics
WEEK 3	6. Triangles 4. Quadratic Equations	Criteria for similar triangles Introduction to Quadratic Equations ,	Explain the concept of similarity and its criteriae - the AAA similarity criterion, the SSS similarity criterion and the SAS similarity criterion, Identify a quadratic equation and its standard form
WEEK 4	4. Quadratic Equations	Solving Quadratic equations by factorisation method, Find the Discriminant of a quadratic equation Solve the quadratic equations using Quadratic formula,	Find the roots of quadratic equations using the method of factorisation Find the discriminant and establish a relation from the nature of the roots of a quadratic equation . Find the roots of quadratic eqatuion by quadratic formula
WEEK 5	8. Introduction to Trigonometry	Introduction to trigonometry Trigonometric ratios	Aquire the knowledge about the meaning of trigonometry. Identify the trigonometric ratios of an acute angle of a right angled triangle,

SUBJECT: MARATHI

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	६. चुडीवाला	पाठ	*विद्यार्थी प्रकटवाचन करतील. *विद्यार्थी चर्चा करतील.
WEEK 2			
WEEK 3	कथालेखन	उपयोजित लेखन	*विद्यार्थी कथालेखनाचे नियम समजावून घेतील *विद्यार्थी चर्चा करतील. *विद्यार्थी कथा लेखन करतील .
WEEK 4	८.ऊर्जाशक्तीचा जागर	पाठ	*विद्यार्थी प्रकटवाचन करतील. *विद्यार्थी चर्चा करतील.
WEEK 5			

SUBJECT: PHYSICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	CH 11- The Human Eye And Colourful World	The Human Eye, Defects of Vision and their Correction.	Students will be able to identify parts of eye and discuss how parts of the eye work together to provide vision. Explain why corrective lenses are used to enhance eyesight.
WEEK 2	CH 11- The Human Eye And Colourful World	Atmospheric Refraction, Tyndall Effect	Students will be able to describe how the path of a light ray changes when the index of refraction of substances or the incident angle changed.
WEEK 3	CH-12 Electricity	Electric circuit, Electric potential and Potential Difference, Circuit diagram and Ohm's law	Students will be able to read the circuit diagram and understand the relation between potential difference and current across the conductor.
WEEK 4	CH-12 Electricity	Resistance of a system of resistor, Heating effect of Electric Current	Students will be able to differentiate between series and parallel connection of resistance and understand practical application of heating effect,
WEEK 5	CH-13 Magnetic effects of Electric Current	Magnetic Field and Field Lines, Magnetic Field due to Current Carrying Conductor	Students will recognize and draw the shape of the magnetic field lines of the magnetic field produced by permanent or electro-magnet

SUBJECT: ENGLISH

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
Week 1	From the Diary of Anne Frank	The devastation of the Holocaust, life of misery for the Jews	To assess and feel the inhuman atrocities of the Nazi rule
Week 2	The Ball Poem, The Trees	Psychological state of a child who interprets responsibility	To realise and compare the ability of a child to accept losses
Week 3	Footprints without Feet	Lawlessness of Griffin, and his errands as a scientist	To help students understand that truth has its own way of revelation
Week 4	Making of a Scientist	Richard Ebright and his discoveries	To assess and revise the contribution of Richard Ebright
Week 5	Madam Rides the bus	Valli behaves like a Madam, accepts responsibility, displays courage	To make students aware of Valli's reserved behavior and her denial of the universal truth

SUBJECT: DANCE

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1-5	Dance practice on a Trendy Song	Students will practice this dance in the form of Aerobics/Zumba	Children will learn how to flexibly the body and how it will also be helpful for their performance.

SUBJECT: CHEM/BIO

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Ch 6 Control and Coordination	*Nervous system * Reflex Action* Human Brain * Parts of human brain.	List the organs of nervous system. Explain the functions of the system. Draw flow chart to show reflex action. Draw human brain. List different parts of human brain. List the functions of each parts of human brain. Explain the functioning of the brain
WEEK 2	Ch 6 Control and Coordination	*Control And Coordination in plants.* Phyto hormones.* Glands and hormones in human.	Explain the functions of each hormone. Compare the functioning of hormones in human and in plants. Give examples for the movement in plants.
WEEK 3	Ch 3 Metals and Non - Metals	*Introduction , Covalent bond. single bond, Double bond and triple bonds with examples	Recall physical properties of metals s and non-metals. Define malleability and ductility. Give example for using sonority of the metals. Give reason for covering metals with insulators.
WEEK 4	Ch 3 Metals and Non - Metals	* Chemical properties of metals ,How do metals and non- metals react with air, water, acid etc	Identify the gas evolved during metals reaction with acid. List the metals that reacts with base. Write equations for the reaction. Arrange metals according to the reactivity. Find products of each reaction
WEEK 5	Ch 3 Metals and Non - Metals	* extraction of metals in different ways. Corrosion. Reasons and solutions	Define corrosion. Distinguish roasting and calcination. Draw and explain the electrolytic refining of metals. Make flow chart of extraction of metals.

SUBJECT: VALUE EDUCATION

WEEKS	TOPIC	PROJECT/ACTIVITY RELATED TO TOPIC	EXPECTED LEARNING OUTCOMES
WEEK 1-5	Perseverance	Writing based on social-emotional learning could help students to reflect on past experiences, helping them grow.	Perseverance implies that a person will persist with a task even when he would rather do something else or when the task becomes difficult.

SUBJECT: ART

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1-5	landscape drawing	landscape drawing with pencil shading	Students will be able to identify the different types shading pattern
	landscape painting	landscape painting with different methods	students will be able to identify the different types of colours and colours texture

SUBJECT: SOCIAL SCIENCE

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	5. Minerals and Energy Resources	What is a mineral? Mode of occurrence of Minerals - Where are these minerals found?	students can easily understand the different types of minerals & energy resources & places of their availability.
WEEK 2	6. Political Parties	Why do we need Political Parties? –Meaning, Functions, Necessity	Students can Analyze party systems in democracies.
WEEK 3	3. Money & Credit	Money as a medium of exchange. Loan activities. two different credit situations.	Student will be able to understand that money has an economic concept. understand the role of financial institutions.
WEEK 4&5	6. Manufacturing Industries	Importance of Manufacturing - Industrial Location. Types of Industries.	Students will be able to Discuss the need for a planned industrial development and debate over the role of government towards sustainable development.

Subject : PHYSICAL EDUCATION

WEEK	TOPIC	Sub Topics	Expected Learning Outcomes
WEEK 1 to 5	Warm-Up Volleyball Table Tennis Chess	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 Chess- Basics techniques & Match Practice	Discipline through games. Better hand-eye coordination. Better cognitive growth. Improve personal fitness through exercise.

SUBJECT: COMPUTER SCIENCE

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Skill Subject : AI - AI related terminology	How do you make decisions activity, Introducing AI, ML and DL	Students will learn about AI, machine learning and deep learning
WEEK 2	Getting Started with Python	Python programs in type casting	Students will understand more about typecasting
WEEK 3	Getting Started with Python	Lab Activity	Students will gain practical knowledge in creating python programs using the features learnt.
WEEK 4	Introduction to packages	Challenge Time, Package installation	Students will understand about package in python

SUBJECT: IT

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Information and communication Technology Skills	Computer Security & Privacy , Exercise and activity	<ul style="list-style-type: none">• identify the importance of securing our computers and data.• list the various threats to a computer and its data.• list the various ways to protect data
WEEK 2	Digital documentation - Advanced features	Lab activity - To create Table of Contents and templates	Understand to create digital documentation with different templates and ToC
WEEK 3	Entrepreneurial Skills	Entrepreneurship and society, Qualities and functions of an Entrepreneur	<p>identify the role of entrepreneurs and how they help in the growth of society. identify the qualities of successful entrepreneurs.</p> <ul style="list-style-type: none">• list the functions of entrepreneurs.
WEEK 4	Entrepreneurial Skills	Myths about Entrepreneurship, Misconceptions, Entrepreneurship as a Career Option	<ul style="list-style-type: none">• list the misconceptions around entrepreneurship and the truth behind them.• define the meaning of a career.• present your opinion about entrepreneurship as a life option

Class Tr: GIJI P A