



SUBJECT: MATHEMATICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	6. Lines and Angles	Lines Parallel to the Same Line, Problem solving	Identify the property of lines parallel to same line Identifies different types of angles formed by a transversal on a pair of parallel and intersecting lines. Identifies the properties of angles formed when a transversal intersect two parallel lines Solve problems related from the topic using angle properties
WEEK 2	10.Heron's Formula	Area of a triangle using Heron's formula	Calculate the area of a triangle using Heron's formula
WEEK3	7.Triangles	Introduction to Congruent triangles triangle Criterie for congruency- SSS and SAS Problem solving	Identify the proeprties of congruent triangles To identify and prove the criteria of congruence of triangles
WEEK 4	7.Triangles	Some properties of trianges Criteriae for congruency- SAA and RHS	To identify and prove the criteria of congruence of triangles -SSS and SAS Prove the theorems on congruency of triangles Identify the proeprties of of triangles- isosceles and equivalent triangles.
WEEK 5	12. Statistics	Drawing and Reading of Histograms with same and different class width	Draw and interpret histograms with same and different class width

SUBJECT : ENGLISH

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	The Happy Prince	Emotions and human values that can instill the	To undertand that values of humanity stands above humanity.
WEEK 2	Snake and the Mirror	Author's serious encounter with snake that is put across through subtle irony	To imbibe the spirit of posiyive attitude towards life and face it with confidence.
WEEK 3	Rain on the Roof	Poet's nostalgia at the time of rain, memories of bygone days	To introspect poet's nostalgia and relate it with the recollection of bygone days.

WEEK 4	In the Kingdom of Fools	The incapable foolish king leads to the fall of an empire with life threatening situations	To reflect upon the consequences that led to the fall of a kingdom
WEEK 5	Words and Expression, Writing Skill : Descriptive Paragraph	Reported Speech, Commands, Requests, Statements	To practice integrated grammar exercise based on reported speech through dialogue editing.

SUBJECT : PHYSICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1 JULY	Ch 8 Forces and Laws of Motion	First law of motion , Inertia and Mass	Students will understand the significance of Newton's first law and recognize inertia as a property of an object which depends solely upon mass.
WEEK 2 JULY	Ch 8 Forces and Laws of Motion	Second law of motion , Mathematical formulation of second law of motion, numericals	Students will be able to predict the motion of an object experiencing a net force using equation $F=ma$
WEEK 3 JULY	Ch 8 Forces and Laws of Motion	Third law of motion , Numericals	The students should be able to identify action reaction force pairs for any physical situation
WEEK 4 JULY	Ch-9 Gravitation	Gravitation-Introduction , Universal law of gravitation	Students will understand difference between gravity and gravitation ,and understand law of gravitation.
WEEK 5 JULY	Ch-9 Gravitation	Free Fall, Calculate value of 'g' , Motion of object under influence of gravitational force of earth	Students will be able to measure the displacement of a freely falling object.

SUBJECT: IT

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	Data Entry & Keyboarding skills	Using Typing software - Practicals using the Typing Tutor Interface, Lab Activity & Exercise	Students will learn to calculate the overall rating of typing and will develop their typing skill.
WEEK 2	Digital Documentation	Getting started with Word processor, Starting Libre office Writer, Creating a document, Parts of the Window	After completing this session, students will be able to create digital documentation by using different features and will understand about the structure of Libre office.

WEEK 3	Digital Documentation	Editing the document, Selection Criteria, Checking Spelling & Grammar in Writer, Common text formatting, Assigning Color & Background	Students will be able to edit in document with the help of all learnt advanced features
WEEK 4	Digital Documentation	Setting page layout, Creating Header & Footer, Inserting Table, Inserting Images, Dividing page into columns, Mail Merge	Students will learn to set a page layout for printing documents, about mail merge and to insert, edit and work with tables and images in document
WEEK 5	Digital Documentation	Lab Activity & Exercise Answers	



SUBJECT : CHEM/BIO

WEEK	TOPICS	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	5-The Fundamental Units of Life	*Different Organelles And their functions	List functions of various cell organelles. Give reason for calling plasma membrane as collectively permeable membrane. Why mitochondria is called the power house of the cell.
WEEK 2	Ch 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.
WEEK 3	Ch 2 Is Matter Around Us Pure?	*What is Mixture * Properties of Solution, Suspension and Colloids	Classify elements on the bases of chemical properties. List the properties of mixture. Compare the properties of solution and suspension.
WEEK 4	Ch 2 Is Matter Around Us Pure?	*What are the types of pure substances. * Physical and chemical changes. * Compounds	List pure substances and mixtures. Compare the properties of pure substances. Compare elements and compounds. List the properties of compounds.
WEEK 5	Ch 2 Is Matter Around Us Pure?	Revision, Class test and discussion of question answers.	Recall topics. Clear doubts. Write class test

SUBJECT: SOCIAL			
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Socialism in Europe and the Russian Revolution:	The Age of Social Change, The Russian Revolution, The February Revolution in Petrograd, What Changed after October?, The Global Influence of the Russian Revolution and the USSR .	Explore the history of socialism through the study of Russian Revolution. Familiarize with the different types of ideas that inspired the revolution,.
WEEK 2	2: Constitutional Design:	Why do we need a Constitution?, Making of the Indian Constitution, Guiding Values of the Indian Constitution	Understand the process of Constitution making. □ Develop respect for the Constitution and appreciation for Constitutional values. □ Recognize Constitution as a dynamic and living document.
WEEK 35	2- The People as a Resource	Overview, Economic activities by men and women, Quality of Population, Unemployment.	Understand the demographic concepts .Understand how population can be as asset or a liability for the nation.
WEEK 4&5	4: Climate:	Concept, Climatic Controls, Factors influencing India's climate, The Indian Monsoon Onset and withdrawal of Monsoon, Distribution of Rainfall, The Season. Monsoon as a unifying bond.	Identify various factors influencing the climate and explain the climatic variation of our country and its impact on the life of the people. Explain the importance and unifying role of monsoons.
SUBJECT : MARATHI			
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	५.व्यायामाचे महत्त्व	कविता	*विद्यार्थी कवितेचा अर्थ समजावून घेतील. *विद्यार्थी चर्चा करतील.
WEEK 2			
WEEK 3	६.ऑलिंपिक वर्तुळांचा गोफ	पाठ	*विद्यार्थी प्रकटवाचन करतील. *विद्यार्थी चर्चा करतील.
WEEK 4	समास	व्याकरण	*विद्यार्थी समास उदाहरणाच्या सहाय्याने समजावून घेतील. *विद्यार्थी चर्चा करतील.
WEEK 5			
SUBJECT : COMPUTER			
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Introduction to Python	Python Input & Output , Type Conversion	Students will learn about python input and output using appropriate functions & will learn about the different type conversions.

WEEK 2	Introduction to Python	Python Operators , Practice, Test your knowledge	Students will learn about the different operators used in python, & will be able to recall the learnt topics
WEEK 3	Introduction to Python	Exercise & Notes	
WEEK 4	Introduction to Python		
WEEK 5	Introduction to Python	Revision & Class Test	

SUBJECT : VE			
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WEEK	LESSON	TOPICS	LEARNING OUTCOMES
Week 1 to 5	Seeking Perfection	PPT and Real life examples on how to show take charge of their own life.	Students explore 4 different aspects of our life in which we can pursue excellence or seek perfection and discover how each of us can awaken this possibility in our day-to-day life.

SUBJECT : PHYSICAL EDUCATION			
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WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1 to 5	Warm-Up Volleyball Table Tennis Chess	warm-up- General & Specinc. Volleyball- (Skills & Rules) Under hand Service, Tennis Service, Tip Lift (Fingering) Under hand lift – Pass, Rotation, Boosting & Rally, Table	Discipline through games. Better hand-eye coordination. Better cognitive growth. Improve personal fitness through exercise.

SUBJECT : DANCE			
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WEEK	LESSON	TOPICS	LEARNING OUTCOMES
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Week 1 to 5	Dance based on Patriotic Theme to be continued.	Students can make some flags, props and dress materials design by their own.	To respect self development, opportunity to learn and grow in a creative field as well as to encourage the spirit of patriotism.
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SUBJECT : ART

WEEK	LESSON	TOPICS	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

CLASS TEACHER : MALABIKA BHATTACHARJEE

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