

SUBJECT: MATHEMATICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	4. DATA HANDLING	Pie Chart Probability	To understand the method of drawing and reading Pie chart To know the meaning of the concept probability and solve simple problems on probability
WEEK 2	5. Square and Square roots	Introduction, Properties of Square Numbers, Finding the Square of a number, Pythagorean triplets, Finding square roots through repeated subtraction	Explain the properties of square numbers, Find the square of a number using different methods, Calculate the square root of given numbers using prime factorisation
WEEK 3	5. Squares and Square roots	Finding square root by prime factorisation method. Finding square root by division method. Estimating Square Root	Calculate the square root of given numbers using prime factorisation method and division method, Apply the concept of square roots in solving real life problems
WEEK 4	6. Cubes and Cube roots	Finding cubes of given numbers Finding cube root by prime factorisation method	Calculate the cubes of given numbers Calculate the cube roots of given numbers Appreciate the work of Ramanujan
WEEK 5	8. Algebraic Expressions and Identities	Introduction to algebra, Terminology related to algebra	Familiar with the basic terminology related with algebraic expression

SUBJECT: CHE/BIO

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	Ch 6 Reproduction In Animals	*Reproduction in human. *Asexual reproduction	List the male and female reproductive organs. Explain the process of fertilization. Define metamorphosis. Differentiate oviparous and viviparous animals.
WEEK 2	Ch 6 Reproduction In Animals	Sexual and Types of fertilization. Examples for organisms undergo internal and external fertilization. Asexual reproduction. Fission and Budding	Differentiate asexual and sexual reproduction. List organisms shows the different types of reproduction. Define fertilization. Explain different types of fertilization. Explain Budding. Draw diagram to show binary fission. Define metamorphosis
WEEK 3	Ch 4 Combustion And Flame	*Combustion * Types of combustion * Extinguishing fire	Define combustion. Give example for fuel. Write equations for complete and incomplete combustion. Components of combustion
WEEK 4	Ch 4 Combustion And Flame	* Flame * Parts Of Flame	Draw flame and label parts. Give reason why goldsmiths use the outer layer of flame. Define fuel.
WEEK 5	Ch 4 Combustion And Flame	*Calorific value of fuel * Impacts of burning fuel ART INTEGRATION ACTIVITY - POSTER MAKING ON IMPACT OF BURNING FUEL ON ENVIRONMENT.	Define calorific value. Draw and label the parts of a flame. Find reason for flame always point towards up.

SUBJECT: PHYSICS

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	CH 9 Friction	Notes writing, Discussion of question Answers, Revision and class test of Chapter 9.	Recall the topic. Find Answers for the given questions, Discuss hints and oral questions. Students will recall the topic and write the test.
WEEK 2	CH 10 Sound	Introduction, Sound produced by vibrating body or by a human.	Students will understand sound is produced by an object as well as in human which organs or which parts of body are responsible for the generation of sound.

WEEK 3	CH 10 Sound	Sound needs a medium for propagation, We hear sound through ears and Amplitude, Time Period and frequency of Vibration.	Students will understand the role of medium for propagation of sound, Parts of body involve while hearing the sound and learn the different properties of sound.
WEEK 4	CH 10 Sound	Audible and Inaudible Sound, Noise Pollution.	Students will be able to differentiate between Audible and Inaudible sounds and between Noise and Sound. Also able to know cause of noise pollution what harm caused by it and necessary measure to reduce it.
WEEK 5	CH 10 Sound	Notes writing, Discussion of question Answers, Revision and class test of Chapter 10.	Recall the topic. Find Answers for the given questions, Discuss hints and oral questions. Students will recall the topic and write the test.

SUBJECT : ENGLISH

WEEK	TOPICS	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	The Tea Kettle	Instances of humour, suspense and magic in the comic strip	To be able to evaluate the life skills that the chapter teaches
	Skill Development :- Introduction to Travel and Tourism	International and Domestic Tourism (Inbound and Outbound Tourism).	To be able to understand the aspects of tourism
WEEK 2	The Eyes Have It	Ruskin Bond and his aspects of universality to describe human emotions and behaviour	To understand Bond's portrayal of human emotions.
	Skill Development :- Introduction to Travel and Tourism	International and Domestic Tourism (Inbound and Outbound Tourism).	To be able to understand the aspects of tourism
WEEK 3	The Open Window	Elements of supernatural and instances of Vera able to weave tales and scare others	To allow students to reflect upon the character's ability to scare the guest
	Skill Development :- Introduction to Travel and Tourism	International and Domestic Tourism (Inbound and Outbound Tourism), Assessment	To be able to understand the aspects of tourism
WEEK 4	Writing Skill : Formal Letter, Diary Entry, Message Writing	Letter to the Editor, raising concern and creating awareness	To enhance writing skills by practicing sample questions
	Skill Development :- Introduction to Travel and Tourism	Introduction to Tourism Industry	To help students identify the importance of tourism industry
WEEK 5	Corner Stone : Use of Determiners, voice	Forms, Types, Examples with uses, integrated grammar exercise	To be able to solve exercise based on editing and omissions.
	Skill Development :- Introduction to Travel and Tourism	Introduction to Tourism Industry	To help students identify the importance of tourism industry

SUBJECT: COMPUTER SCIENCE

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	Google Apps / AI- Excite	i) Introduction to Google ii) For surfing & Research iii) For Staying in touch iv) For organizing your stuff / AI Game- Experiential learning.	Students will understand about the Apps used for surfing, staying in touch & organizing data. / Students will experience experiential learning using AI games.
WEEK 2	Google Apps/ Coding - Functions in Depth	i) For working smartly ii) For watching, listening & Playing iii) Google Devices iv) Exercise / Returning value from a function, Exercise & Activity	Students will understand about the apps used for working smartly and watching, listening, playing and also will learn about different google devices & its functions. / Students will learn to return value from a function in coding with experiential learning.
WEEK 3	Google Apps	Coding Lab Activity & Revision - Class Test	
WEEK 4	App Development / AI - Relate	i) Introduction to App ii) Android & OS Types of Apps iii) Categories of Apps / Most common fields which use AI, AI in Apps	Students will understand about different types of apps, popular app categories and their uses, to develop an app using MIT App Inventor. / Students will understand about the most common fields which use AI.

SUBJECT: HINDI

WEEK	TOPIC	SUB TOPICS	Expected Learning Outcomes
WEEK 1	L- 5 क्या निराश हुआ जाए	कविता पठन व अभ्यास	छात्रों के वाचन कौशल का विकास होगा , नवीन शब्दावली सीखेंगे तथा सीखेंगे कि हार मानना और निराश होना सही नहीं है।
WEEK 2	शब्द विचार भाग-2- अनेकार्थी शब्द, पर्यायवाची शब्द।	व्याकरण अभ्यास	शब्द विचार - अनेकार्थी शब्द , पर्यायवाची शब्द आदि का अभ्यास करवाया जायेगा।
WEEK 3	L-6 यह सबसे कठिन समय नहीं	निबंध व अभ्यास Activity - छात्र वाद- विवाद प्रतियोगिता करेंगे कि किस प्रकार दुनिया में बेईमानी के होने के बावजूद भी ईमानदारी है।	कविता के मध्यम से कविता का सस्वर गायन, सरल व्याख्या अभ्यास कार्य करेंगे और सीखेंगे कि आज का समय जीवन जीने के लिए कठिन नहीं है।
WEEK 4	L-7 कबीर की साखियाँ	साखियों का लायबद्ध गायन व व्याख्या तथा प्रश्नाभ्यास लेखन।	छात्र दोहों से सीखेंगे कि यदि मन हमारा शीतल हो तो कोई हमारा शत्रु नहीं बन सकता तथा ईश्वर भक्ति के लिए बाह्य आडंबर की आवश्यकता नहीं है।
WEEK 5	शब्द विचार भाग-2- विलोम शब्द , अनेक शब्दों के लिए एक शब्द और समरूपी भिन्नार्थक शब्द	व्याकरण अभ्यास	शब्द विचार -विलोम शब्द , अनेक शब्दों के लिए एक शब्द और समरूपी भिन्नार्थक शब्द आदि का अभ्यास करवाया जायेगा।

SUBJECT: GK

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	20. SURGICAL TERMS 21. WHO'S THE SCIENTIST 22. DEFINE THEM	NIL	20. Students will able to know about correct surgical terms. 21. Students will come to know about scientists to their inventions & discoveries. 22. Students will analyse the suffix-logy which refers to academic study or practise of a particular field.
WEEK 2	23. FEAR FACTOR 24. ISOLINES 25. IT WIZARD	NIL	23. A phobia is a type of anxiety disorder. 24. Isolines are lines to link places that share a common value. 24. The technological terms with their correct definitions
WEEK 3	27. ELEMENTS & COMPOUNDS 28. FUN WITH SCIENCE 32. NATURAL DEFENDERS	NIL	27. Elements are pure substances made of atoms and compounds are substances formed when two or more elements have chemical bond together. 28. have fun with science experiments. 32. Animal shells which act as a natural defence against predators
WEEK 4	33. NAME THEM 34. BELIEVE IT OR NOT 35. IT'S DIFFERENT	NIL	33. read the clues & name the animals 34. Unscramble the words to reveal the names of the animals. 35. Match unusual plants to their correct descriptions.
WEEK 5	37. NATURE'S ARCHITECT 38. BIOLUMINESCENTS 39. GROUP THEM	NIL	37. certain animals display their craftsmanship through their home. 38. Plants & Animals that emit lights are called bioluminescent. 39. ANimals on the basis of their characteristics.

SUBJECT: MARATHI

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	क्रियाविशेषण, शब्दयोगी	व्याकरण	*विद्यार्थी क्रियाविशेषण, शब्दयोगी या शब्दांच्या जातीविषयी जाणून घेतील *विद्यार्थी उदाहरणे सांगतील. *विद्यार्थी उदाहरणे लिहितील.
WEEK 2	५. घाटात घाट वरंथाघाट	पाठ	*विद्यार्थी प्रकटवाचन करतील. *विद्यार्थी चर्चा करतील. *विद्यार्थी पत्र लेखन करतील.
WEEK 3			
WEEK 4	६. आभाळाची अम्ही लेकरे	कविता	*विद्यार्थी कवितेचा अर्थ समजावून घेतील. *विद्यार्थी चर्चा करतील.
WEEK 5			

SUBJECT: SANSKRIT

WEEK	MAIN COURSE BOOK दिव्याजलि:-3	SUB TOPIC (व्याकरण)	EXPECTED LEARNING OUTCOME
WEEK 1	L-6, तुलसीपादपस्य आत्मकथा	सन्धिः, धातु, प्रकृति-प्रत्यय विभागः।	तुलसी पौधे का पौराणिक और औषधीय गुणों का परिचय।
WEEK 2	L-7, लोहपुरुषः-सरदार वल्लभ भाई पटेलः	प्रत्ययः, अव्ययपदानि	सरदार वल्लभभाई पटेल का जीवन का परिचय।
WEEK 3		पत्रलेखनम् (पत्रपूर्तिः)	छात्र पत्रों को उचित पदों से पूर्ति कर पाएँगे।
WEEK 4	L-8, प्रमूषको भव	धातु रूपाणि	कृतघ्नता नहीं करनी चाहिए इस तथ्य से अवगत कराना।
WEEK 5		उपपद-विभक्तिः	

SUBJECT: SOCIAL SCIENCE

WEEK	TOPICS	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	3 “Ruling the Country Side”	1. The Company becomes the Diwan. 2. Crops for Europe. 3. ‘The Blue Rebellion’ and after. 4. To provide information about Revenue for the Company; The need to improve agriculture; The problem and a new system is devised. The Munro system Does colour have a history? 5. Why the demand for Indian Indigo? British turns to India, How was Indigo cultivated; The problem with Nil cultivation? Indigo on the land of ryots.	Explains the differences in the impact of colonial agrarian policies in different regions of the country like the “Indigo rebellion.”
WEEK 2	2 “Land, Soil, Water, Natural Vegetation and Wildlife Resources”	1. Land and land use, Conservation of land resources. 2. Soil, factors of soil formation and conservation measures. 3. Problems of water availability, conservation of water availability, conservation of water resources. 4. Distribution of natural vegetation and wildlife conservation	Describe causes of forest fire, landslide, industrial disasters and their risk reduction measure.
WEEK 3	4. Tribals Dikus and the vision of golden age	How Tribal groups lived. How colonial rule affect the tribal life? A closer look :- Birsa Munda	Describe the lives of the tribals in India before the colonial period Describe the effects of the colonial rule on the lives of the tribal communities in India Describe the life of Birsa Munda and the Birsa Movement
WEEK 4	3 “ Why do we need a Parliament?”	Why should People Decide? 2. The role of Parliament. 3. Who are the People in parliament? To provide information about – How to select the national government and control, guide and inform the government, law making etc.	Differentiates between state government and Union government. Describes the process of election to the Lok Sabha. Locates one’s own constituency on parliamentary constituency map of State/UT and names local MP.
WEEK 5	5. Judiciary	Types of Courts & Cases.	Students can explain the functioning of the judicial system in India by citing some landmark cases.

SUBJECT: ART

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
Week 1 to 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: DANCE

WEEK	TOPIC	Project/Activity related to Topic	EXPECTED LEARNING OUTCOMES
Week 1 to 5	Dance practice for Janmastami to be started.	Children can draw Krishna Pictures or else they can make clay idol of Krishna.	Students can understand the true value of devotion to God.

SUBJECT: Physical Education

WEEK	TOPIC	Activities related to Topic	EXPECTED LEARNING OUTCOMES
Week 1 to 5	Warm-up- General & Specific. 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: VALUE EDUCATION

WEEK	TOPIC	Project/Activity related to Topic	EXPECTED LEARNING OUTCOMES
Week 1 to 5	Punctuality	Making time table of daily routine.	Being punctual not only makes a student dependable but also helps them to build their confidence

SUBJECT: FINANCIAL LITERACY

WEEK	TOPIC	Project/Activity related to Topic	EXPECTED LEARNING OUTCOMES
WEEK 1	UNIT 3:- BANKING	3.1 Evolution of Money. 3.2 Importance of Money. 3.3 Role of Banks. 3.4 Types of Banks. 3.5 Types of Bank Accounts.	Understand the purpose and functions of Banks Appreciate the role played by banks in the economy
WEEK 2	UNIT 4:- SECURITY	4.1 Reserve Bank of India - Role and Importance 4.1.1 Reserve Bank of India - Core Functions. 4.2 About NPCI. 4.3 Digital India Initiative 4.4 Digital Payments 4.4.1 Advantages of Digital Payments	Identify the various kinds of banking cards: Debit, Credit and Prepaid Appreciate the benefits of using banking cards. Appreciate the benefits of digital banking State the various benefits of digital banking to consumers.
WEEK 3	UNIT 5:- Modes of Digital Payments- Card Based	5.1 Payments Acceptance Ecosystem. 5.2 Use of Banking Cards. 5.3 Various channels for acceptance of card based digital payments. 5.4 RuPay Network and RuPay Card	Identify the various kinds of banking cards: Debit, Credit and Prepaid Appreciate the benefits of using banking cards. Define PoS and its benefits. Enumerate the benefits offered by PoS. Describe ATM and the benefits it offers Identify the role played by ATM in today's world. Define the purpose and benefits of Micro ATM machines Enlist the benefits of Micro ATM machines. Define the purpose and benefits of Micro ATM machines
WEEK 4&5	UNIT 6:- Modes of Digital Payments- Biometric Based	6.1 Unique Identification Authority of India (UIDAI). 5.2 Use of Banking Cards. 5.3 Various channels for acceptance of card based digital payments. 5.4 RuPay Network and RuPay Card.	Understand the role and importance of UIDAI, Aadhaar and AePS Appreciate the important role played by UIDAI, Aadhaar and AePS. Understand the role and importance of UIDAI, Aadhaar and AePS.

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