

SUBJECT: MATHEMATICS

| WEEK | LESSON | TOPICS | LEARNING OUTCOMES |
|-----------|---------------------------------|---|---|
| WEEK1 | 1. Rational Numbers | Introduction to rational numbers , Properties of rational numbers | Recall the meaning of rational numbers and perform basic operations on rational numbers, Identify the properties of rational numbers on addition , subtraction , multiplication and division |
| WEEK 2 | 1. Rational Numbers | Properties of rational numbers | Identify the properties of rational numbers on addition , subtraction , multiplication and division |
| WEEK 3 | 3. Understanding Quadrilaterals | Polygons ,Properties of polygons , Interior and exterior angles of a polygon | Define polygons and explain the properties of polygons, Identifies the angle properties of polygons. |
| WEEK 4 &5 | 3. Understanding Quadrilaterals | Kinds of Quadrilaterals Properties of different types of quadrilaterals Problem solving | Identifies different types of Quadrilaterals Explain the properties of quadrilaterals Differentiate parallelograms from each other and explain its properties , Solve the problems on quadrilaterals using its properties Art Integration : Shapes from tangrams |

SUBJECT: CHE/BIO

| WEEK | TOPIC | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|----------|-----------------------|--|---|
| WEEK 1 | 1-Crop Production | *Introduction * Crops and types of crops in India * Green revolution | Define crops and green revolution. List the advantages of green revolution |
| WEEK 2 | 1-Crop Production | *Methods of production- Soil preparation , Sowing ,Weeding, Irrigation ,Harvesting Etc Subject Enrichment Activity BROWN BAGGING | List and explain advantages of loosening and turning soil. Recognize the importance of using green manure. |
| WEEK 3 | 1-Crop Production | *Increasing crop Produce - Hybridization, nitrogen cycle * Animal husbandry. | Differentiate between manure and fertilizers .Draw and Label nitrogen cycle. Solve ASSIGNMENT 1 |
| WEEK 4&5 | 3. Coal And petroleum | *Introduction. * Exhaustible and inexhaustible resources. | Explain the methods for using energy Judiciously. Give examples for adopted methods to reduce consumption of natural resources. Differentiate renewable and non - renewable resources. ASSIGNMENT 2(Summer Assignment) |

SUBJECT: PHYSICS

| WEEK | TOPIC | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|--------|--------------------|---|--|
| WEEK 1 | Force and pressure | Force – A push or a pull, Forces are due to an interaction, Exploring forces, A force can change the state of motion. | 1. Understand the concept of force and its effects on objects. 2. Identify different types of forces and their applications in daily life. |
| WEEK 2 | Force and pressure | *Pressure *Pressure exerted by liquids. *Pressure exerted by gases. | Writes equation for pressure. Relates process with causes of the area of contact depending on the pressure. Relates processes and phenomenon with causes why is cutting edge of knife made sharper |

| | | | |
|----------|--------------------|--|--|
| WEEK 3 | Force and pressure | * Atmospheric pressure * Exercise | Applies to learning of scientific concepts in the day-to-day life of pressure situations . Discusses and appreciates stories of scientific discoveries of Otto von Guericke. |
| WEEK 4&5 | Force and pressure | Numericals -Pressure, Extra Question answers, Assignment | Problem solving |
| | | | |

SUBJECT : ENGLISH

| WEEK | TOPICS | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|----------|---|--|---|
| Week 1 | The Three Questions | Theme, symbolism and critical appreciation | Students will understand the value of life and importance of a wise counsel |
| | Skill Development :- Introduction to Travel and Tourism | What does the term tourism mean | To be able to understand the meaning of tourism |
| Week 2 | The Robot in the House | Impact of Artificial Intelligence in everyday life | To be able to understand the benefits and drawbacks of keeping a robot in the house |
| | Skill Development :- Introduction to Travel and Tourism | Purpose and need of Tourism | To be able to understand the need and purpose of tourism |
| Week 2 | Writing Skill - Formal Letter | Letter to the editor, Diary Writing | To practice writing letter with correct format and ensure better writing skills among students. |
| | Skill Development :- Introduction to Travel and Tourism | Importance of Tourist Destinations | To be able to identify tourist destinations and their importance |
| Week 4,5 | Communication | Significance of face to face communication and its necessity | To be able to decipher the difference between virtual, informal and face to face communication |
| | Skill Development :- Introduction to Travel and Tourism | Assessment through oral questions and quiz | To be able to identify and evaluate the performance of students |

SUBJECT: COMPUTER SCIENCE

| WEEK | TOPIC | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|----------|---|--|--|
| WEEK 1 | Computer Network | Communication & Computer Network | Students will understand about computer communication and the types of computer network. |
| WEEK 2 | Computer Network, Coding - Conditionals in details. | Types of Network & Communication Channel / Types of control structures and operators | Students will learn about the types of network hardware, communication channels and network architecture. |
| WEEK 3 | Skill Subject : Coding & AI Conditionals in Details & Introduction of AI - Excite | i) Introduction ii) Types of Control Structures iii) Understanding If-Else and Else - If iv) Logical operators | To perform the coding task to create a triangle and to understand the different types of control structures. |
| WEEK 4&5 | Computer Network / AI - Motivate with AI | Network Architecture and protocol, AI in every day life, AI lab activity | Students will learn about topologies and network. |

SUBJECT: HINDI

| WEEK | TOPIC | SUB TOPICS | Expected Learning Outcomes |
|----------|----------------------|---|--|
| WEEK 1 | L-1. ध्वनि | पाठ में आए संज्ञा, विशेषण आदि की जानकारी | आलस्य का त्याग तथा नवीनता का संचार। |
| WEEK 2 | L-2. लाख की चूड़ियाँ | पर्यायवाची, देशज शब्द आदि। | मशीनी युग ने अनेक कलाओं को नष्ट कर दिया जिसके कारण वे कलाकार बेरोजगार हो गए। |
| WEEK 3 | L-3. बस की यात्रा | मुहावरे तथा लोकोक्तियाँ ACTIVITY- छात्र अपनी बस यात्रा का वर्णन अपने शब्दों में करेंगे। | यातायात की दुर्व्यवस्था से छात्रों को अवगत कराना। |
| WEEK 4&5 | अभ्यास कार्य | वर्ण-विचार तथा वर्तनी क्रिया-कलाप: उचित मात्रा वाले शब्द से रिक्त स्थानों की पूर्ति। | छात्र मात्राओं का सही प्रयोग सीख पाएँगे |

SUBJECT: GK

| WEEK | TOPIC | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|----------|--|------------|---|
| WEEK 1 | Ch1-CITIES-THEN & NOW. Ch2- Ancient Indian Text | NIL | 1.Students will able to know old & new name of cities. 2. Students will able to know about the ancient Indian text with their description. |
| WEEK 2 | Ch3- Indian Craft &Ch4- State Facts | NIL | 1. Students will able to learn about Indian crafts. 2. students will able to learn about states water bodies. |
| WEEK 3 | Ch5- Indian Judiciary & Ch 6- Women at the Helm | NIL | 1. Students will be knowing about Indian Judicial System. 2.students will come to know about Women tycoons with their positions. |
| WEEK 4&5 | Ch7- Daredevils & Ch8- Currencies around the World | NIL | 1. Students will come to know about the women who are known to the world for their remarkable achievements. 2.Students will come to know about world currencies |

SUBJECT: MARATHI

| WEEK | TOPIC | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|----------|-------------------------|---|--|
| WEEK 1 | १.आम्ही चालवू हा वारसा | कविता Activity: Activity Based Learning Art Integration | *विद्यार्थी गाणे तालासुरात म्हणतील. *विद्यार्थी कविता साभनय म्हणतील. *विद्यार्थी शाळेचे चित्र काढतील. |
| WEEK 2 | २.मी चित्रकार कसा झालो! | पाठ | *विद्यार्थी पाठाची मध्यवर्ती कल्पना जाणून घेतील. *विद्यार्थी पाठाचे प्रकटवाचन करतील. *विद्यार्थी स्वतःचे अनुभव कथन करतील. *विद्यार्थी चर्चेत सहभागी होतील.ASSIGNMENT-2 |
| WEEK 3 | उजळणी - व्याकरण | सर्वनाम,विशेषण,क्रियापद | *विद्यार्थी सर्वनाम,विशेषण,क्रियापद या शब्दांच्या जातीविषयी जाणून घेतील. *विद्यार्थी उदाहरणे सांगतील. *विद्यार्थी उदाहरणे लिहितील.ASSIGNMENT - 1 |
| WEEK 4&5 | उजळणी - व्याकरण | नाम | *विद्यार्थी नाम या शब्दांच्या जातीविषयी जाणून घेतील. *विद्यार्थी उदाहरणे सांगतील. *विद्यार्थी उदाहरणे लिहितील.ASSIGNMENT- 2 |

SUBJECT: SANSKRIT

| WEEK | MAIN COURSE BOOK दिव्यांजलि:-3 | SUB TOPIC (व्याकरण) | EXPECTED LEARNING OUTCOME |
|----------|--------------------------------------|---------------------------|---|
| WEEK -1 | L-1. मूर्खः अनुचरः | सन्धिः, विशेषण-विशेष्य | मूर्खां से मित्रता हानिकारकं होती है । |
| WEEK-2 | | अपठितं गद्यांशः | छात्रों गद्यांश को पढ़कर उत्तर देने में समर्थ हो पाएंगे । |
| WEEK -3 | L-2, नीति श्लोकाः | अन्वयः | नीति परक श्लोकों के माध्यम से छात्रों में उदात्त गुण उत्पन्न करना । |
| WEEK 4&5 | L -3 क्रिकेटक्रीडकः- सचिनः तेंदुलकरः | सन्धि, अव्ययः, पर्यायवाची | सचिन तेंदुलकर का जीवन परिचय । |

SUBJECT: SOCIAL SCIENCE

| WEEK | TOPICS | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|----------|-------------------------------------|---|--|
| WEEK 1 | Chapter1 (Resource and Development) | 1. Types of Resources. 2. Resources to provide information about –Types of Resources, Natural, Human made,Human Resources, Conservation and Sustainable Development of the Resources. | Students will be able to:- Justifies judicious use of natural resources such as water, soil,forest, etc and to maintain distribution and development in all areas. |
| WEEK 2 | Chapter 1-“The Indian Constitution” | 1. Why does a country need a constitution?2. The Indian Constitution; key features. To provide information about – Importance of constitution, federalism,parliamentary form of government separationof powers, secularism,etc. | Students can :-Interprets social and political issues in one’s own region with reference to the Constitution of India.Illustrates the Fundamental Rights and Fundamental Duties with appropriate examples. |
| WEEK 3 | Chapter 1-How when and where | 1. How important are dates? 2. How do we know? Information will be given about – importance of dates, How do we periodise? 3. What is colonialism? 4. How does administration – produces documents, surveys and records? | After reading the chapter, the students will be able to :-Identify the location of India in the Indian subcontinent. |
| WEEK 4&5 | Chapter 2-From trade to territory | 1. East India Company comes east.2. Company Rule expands. 3. Setting up aNewAdministration to provideinformation about – East India Company begins trade in Bengal; How trade led to battles, the battle of Plassey, Company officials become “Nawobs”, Tipu Sultan – “The Tiger of Mysore”; War with Marathas; The claim of Paramountancy. The Doctrine of Lapse; The Company Army. | Students will able to :- Explains howthe English East India Company became themost dominant power. |

SUBJECT: ART

| WEEK | TOPIC | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|------------|--------------------|------------------------------|---|
| WEEK1 to 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. |

SUBJECT: DANCE

| WEEK | TOPIC | Project/Activity related to Topic | EXPECTED LEARNING OUTCOMES |
|-------------|----------------------|--------------------------------------|--|
| Week 1 to 5 | Dance Forms of India | Show PPT alongwith some Performances | To inculcate Indian Cultural Heritage and to respect them. |

SUBJECT:Physical Education

| WEEK | TOPIC | Activities related to Topic | EXPECTED LEARNING OUTCOMES |
|-----------|--|--|--|
| WEEK 1- 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: VALUE EDUCATION

| WEEK | TOPIC | Project/Activity related to Topic | EXPECTED LEARNING OUTCOMES |
|-------------|---------|---|--|
| Week 1 to 5 | Honesty | Story Telling on how to show take charge of their own life. | By taking risks or charges of life, students will have more power to make decisions and more influence over the trajectory of our destiny. This inherently leads to more happiness, satisfaction, and fulfillment. |

SUBJECT: FINANCIAL LITERACY

| WEEK | TOPIC | Project/Activity related to Topic | EXPECTED LEARNING OUTCOMES |
|-------------|------------------------------|---|---|
| Week 1 to 5 | UNIT 1:- TEAM WORK | 1.1 Definition of Team 1.2 Benefits of Teamwork Team Roles 1.3 | Describe the concept of team enumerate its benefits. Understand the meaning of Team. State the various types of roles adopted by team members. Identify the unique roles performed by team members. |

Class Teacher : Manoj Jadhav