



SYLLABUS PLAN 2023-24

MONTH :DECEMBER

CLASS :VIII

SUBJECT: CHEM/BIO

| WEEK | LESSON | TOPICS | LEARNING OUTCOMES |
|-----------|--------------------------------------|---|--|
| WEEK 1& 2 | Ch 6 Reproduction In Animals | Sexual and Types of fertilization. Examples for organisms undergo internal and external fertilization. | Differentiate asexual and sexual reproduction. List organisms shows the different types of reproduction. Define fertilization. Explain different types of fertilization. |
| WEEK 3 | Ch 6 Reproduction In Animals | Asexual reproduction .Fission and Budding | Explain Budding. Draw diagram to show binary fission. Define metamorphosis. Differentiate binary and multiple fission. Solve WORKSHEET 6 |
| WEEK 4 | Ch 7 Reaching the age of Adolescence | Glands and hormones. Functions of hormones. INNOVATIVE TEACHING - SCIENCE TEXT CARD on glands and hormones. | Define the term ductless glands. Give examples for glands . Locate glands on the given diagram.. Explain the functions of hormones . |

SUBJECT: PHYSICS

| WEEK | LESSON | TOPICS | LEARNING OUTCOMES |
|-----------|--------|--|---|
| WEEK 1& 2 | Light | Light, Reflection of light, Properties of plane mirror, Types of reflection | Define light, understanding the concept of reflection of light, properties of mirror and types of reflection - Regular and irregular reflection |
| WEEK 3 | Light | Multiple reflection, multiple images, Kaleidoscope, Dispersion, Human eye | Concept of multiple reflection and images, Kaleidoscope, define dispersion, Understanding the structure and working of human eye |
| WEEK 4 | Light | Care of eyes, Visually impaired persons can read and write, Braille system, Exercise | Discussing the ways and importance of care of eyes, understanding about visually impaired persons and Braille system , Exercise, Worksheet |

SUBJECT: VALUE EDUCATION

| Weeks | TOPIC | PROJECT/ACTIVITY RELATED TO TOPIC | EXPECTED LEARNING OUTCOMES |
|-------------|------------|--|---|
| Week 1 to 4 | Friendship | Write a letter to a friend to say something which they want to share confidentially. | Students will be able to know how to be a good friend. use good friend vocabulary. understand how to perform good friend actions. |

SUBJECT: MATHEMATICS

| WEEK | LESSON | TOPICS | LEARNING OUTCOMES |
|--------|-------------------------------------|--|---|
| WEEK 1 | 9.MENSURATION | Recalling area and perimeter Area of trapezium and general quadrilateral ,polygons | Recall the learning from the mentioned topics Solve problems on area and perimeter of plane figures |
| WEEK 2 | 9.MENSURATION | Surface area of Cube ,cuboid and Cylinder Volume of Cube ,cuboid and Cylinder Problem solving on mensuration Activity : To find the curved surface area of Cylinder | Understand the meaning of surface area and volume of solid figures. Identify the formula for finding surface area and volume of cube ,cuboid and cylinder Solve the problems on volume and surface area . |
| WEEK 3 | 11. DIRECT AND INDIRECT PROPORTIONS | Direct proportions Inverse proportions | After completing the lesson, learners should be able to - Differentiate direct and inverse proportions, Solve problems related to proportions , Identify and differentiate day to day activities as direct and inverse proportions |
| WEEK 4 | 13. INTRODUCTION TO GRAPHS | Line graph and its application | Recall the graphical representation of data in line graphs and reading line graphs Apply the line graph in day to day situation |

SUBJECT: ENGLISH

| WEEK | LESSON | TOPICS | LEARNING OUTCOMES |
|--------|-------------------------------|--|---|
| Week 1 | PT 2 EXAMINATION | | |
| Week 2 | The Tea Kettle, Human Seasons | Author's perspective towards friendship through comic strips. Human life divided into phases by the poet | To enable students praise true friendship and author's acumen towards comic strip. Help students identify life of human with that of seasonal changes and its implications. |
| Week 3 | Journey to Sunderbans | Sunderban as a tourist attraction | To allow students get acquainted with the popularity of Sunderban as a tiger reserve. |
| Week 4 | The open window | Saki explores the concept of chaos by disrupting the otherwise tranquil household with tragic death | To let students explore the concept of empowerment through narration of fables. |

SUBJECT: HINDI

| WEEK | MAIN COURSE BOOK वसंत भाग -2 | WORK BOOK & GRAMMAR नवीन शिक्षार्थी | EXPECTED LEARNING OUTCOME |
|---------|---------------------------------|-------------------------------------|---|
| WEEK -1 | L-12, पानी की कहानी | विराम चिह्न | छात्र पानी के उत्पत्ति के विषय में जान पाएँगे |
| WEEK -2 | | संवाद लेखन | कल्पना शक्ति का विकास |
| WEEK-3 | L-13, बाज और साँप | उपसर्ग | जीवन जीने का ढंग |
| WEEK-4 | | मुहावरें | व्याकरण का ज्ञान |

SUBJECT: MARATHI

| WEEK | LESSON | TOPICS | LEARNING OUTCOMES |
|--------|-------------------------|--------------|---|
| WEEK 1 | उभयान्वयी अव्यय | व्याकरण | *विद्यार्थी उभयान्वयी अव्यय या शब्दांच्या जातीविषयी जाणून घेतील. *विद्यार्थी उदाहरणे सांगतील. *विद्यार्थी उदाहरणे लिहितील. |
| WEEK 2 | १२. शब्दकोश (स्थूलावचन) | उपयोजित लेखन | *विद्यार्थी वाचन करतील. *विद्यार्थी चर्चा करतील. *विद्यार्थी कथा लिहितील. |
| WEEK 3 | | | |
| WEEK 4 | केवलप्रयोगी अव्यय | व्याकरण | *विद्यार्थी केवलप्रयोगी अव्यय या शब्दांच्या जातीविषयी जाणून घेतील. *विद्यार्थी उदाहरणे सांगतील. *विद्यार्थी उदाहरणे लिहितील. |

SUBJECT: PHYSICAL EDUCATION

| WEEK | TOPIC | Sub Topics | Expected Learning Outcomes |
|-----------|---|--|---|
| WEEK 1- 5 | Athletics Volleyball Table Tennis | Warm-up- General & Specific warm-up & Mass P.T Athletics: - (Skills & Rules) (50mtr,100mtr &600mtr- Run) Start, Set Position, Go & Finishing. Volleyball: - (Skills & Rules) Under hand Service, Under hand lift, Pass & Rally. Table Tennis- Backhand & Forehand Counter Practice | Evaluate measurable goals. Improve their motivation, perseverance, self control, and patience. Ability to perform several offensive and defensive strategies. |

SUBJECT: COMPUTER SCIENCE

| WEEK | TOPIC | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|--------|--|--|---|
| WEEK 1 | Python - Introduction / AI - Relate | i) Programming Language, i)Introduction to python iii) Character set Tokens v) comments / Concept of smart living, Ice Breaker Activity | Students will learn about the different new terms used in python along with their functions and syntax. / Students will learn about the concept of smart living in AI and will perform an ice breaker activity related to the same. |
| WEEK 2 | Python - Introduction / Coding - Programming with Arrays | i) Statements ii) Dtatypes iii) Variables iv) Defining Input & output in python / Introduction, Arrays, Playing with colors, Sorting an Array. | Students will learn about the more terms and their functions and syntax to work with python. / Students will learn about arrays , playing with colors & how to sort an Array in coding. |
| WEEK 3 | Python - Introduction / AI / Coding | i) Error handling ii) programs in python iii) Exercise & Activity | Students will learn to handle errors in the python program. |
| WEEK 4 | Python - Introduction | AI / Coding Lab Activity & Revision - Class Test | |

SUBJECT: ART

| WEEK | TOPIC | SUB TOPICS | EXPECTED LEARNING OUTCOMES |
|----------|---------|------------------------------|---|
| WEEK 1-5 | origami | origami flower /animal face. | Students will be able to identify the different types of origami pattern. |

SUBJECT: DANCE

| Weeks | TOPIC | PROJECT/ACTIVITY RELATED TO TOPIC | EXPECTED LEARNING OUTCOMES |
|-------------|---------------------|---|---|
| Week 1 to 4 | Christmas Day Dance | Students can host a Christmas Craft party in classroom. | Students will be able to understand and respect towards the cultural value of the other religion. |

SUBJECT: SOCIAL SCIENCE

| WEEK | LESSON | TOPICS | LEARNING OUTCOMES |
|----------|-----------------------------|---|---|
| WEEK 1&2 | 10 "Law and Social Justice" | What is a worker's worth? 2. Enforcement of safety laws. 3. New laws to protect the environment laws for child and labourers in organised sector and their protection. 4. To give knowledge about protection act and laws made for protection of environment. | Applies the knowledge of the different laws for environment protection and to find out about their violation, protection and promotion in a given situation. |
| WEEK 3 | 8. Women, Caste and Reform | Our Past-III deals with reforms in favour of women, anti-casteism and other related topics. | Students can analyse the issues related to caste, women, widow remarriage, child marriage, social reforms and the laws and policies of colonial administration towards these issues |
| WEEK 4 | 9. Public Facilities | Public facilities include healthcare, sanitation, electricity, public transport, schools and colleges. | Students can identify the role of Government in providing public facilities such as water, sanitation, road, electricity etc., and recognise their availability & describes the role of Government in regulating economic activities. |

SUBJECT: GENERAL KNOWLEDGE

| WEEK | LESSON | TOPICS | LEARNING OUTCOMES |
|----------|--|--------|--|
| WEEK 1&2 | 80. ANALOGIES 81. SUDOKU | NIL | 80. Choose the correct analogies. 81. Solve the sudoku puzzle. |
| WEEK 3 | 84. RACK YOUR BRAINS 87. AROUND THE WORLD | NIL | 84. Brain Exercise 85. Things happening around the world. |
| WEEK 4 | 88. ART & LITERATURE 89. AWARDS & HONOURS 90. SCIENCE & TECHNOLOGY | NIL | 88. India famous for its art & Literature. 89. Awards & honours winners 90. India's Science & Technology |

Class Teacher: RANI C. THOMAS