



**Bal Bharati**  
PUBLIC SCHOOL  
RGPPL RATNAGIRI

### SYLLABUS PLAN

**MONTH :JULY**

**CLASS : VIII**

**Academic Year 2023-24**

### **SUBJECT: CHEM/BIO**

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	PT 1 EXAMS		
WEEK 2	Ch 2 Microorganisms - Friend And Foe	* What are microorganisms. *Types of Microorganisms	Define Microorganisms. List the types. Explain the features of each type. Give examples for different types.
WEEK 3	Ch 2 Microorganisms - Friend And Foe	*Useful microorganisms * Harmful Microorganisms	Give examples of microorganisms useful in agriculture, medicine, and other industries. List diseases caused due to different microorganisms.
WEEK 4	Ch 2 Microorganisms - Friend And Foe	* Food Preservation. * Nitrogen cycle	List and explain different methods of food preservation . Define Osmosis.Draw nitrogen cycle and explain each process.
WEEK 5	Ch 4 Combustion	*Combustion	Define combustion. Give example for fuel. Write equations for complete and incomplete combustion . Componets of combustion
WEEK 6	And Flame	* Types of combustion	

### **SUBJECT: ENGLISH**

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	PT 1 EXAMS		
WEEK 2	If, Corner Stone	Theme and Symbolism of text, Practice Exercises	To understand the proper use of literary and poetic devices
WEEK 3	The Robot in the House	Impact of AI on daily life	To evaluate the benefits and drawback of AI
WEEK 4	Communication	Significance of text and value based questions	To assess the author's portrayal of society and its people.
WEEK 5	The Guests	The advent of an unexpected guest	To identify the appropriate mannerisms in hosting a guest
WEEK 6	Corner Stone	Practice Exercise on kinds of pronouns	To be able to understand and solve exercises based on pronouns

## SUBJECT: MATHEMATICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	PT 1 Exam	Rational Numbers and Linear equations	Assess the learning form the topics
WEEK 2	I cycle Exam 3. Understanding Quadrilaterals	Rational Numbers and Linear equations Kinds of Quadrilaterals properties of different types of quadrilaterals <b>Art Integrattion : Shapes from tangrams</b>	Assess the learning form the topics Explain the properties of quadrilaterals Differeciate quadrilaterals and parallelograms , Differentiate parallelograms from each other and explain its its properties , Solve the problems on quadrilaterals using its properties
WEEK 3	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 4	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 5 & 6	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

## SUBJECT: MARATHI

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	PT 1 EXAMS		
WEEK 2	क्रियाविशेषण, शब्दयोगी	व्याकरण	*विद्यार्थी क्रियाविशेषण, शब्दयोगी या शब्दांच्या जातीविषयी जाणून घेतील. *विद्यार्थी उदाहरणे सांगतील. *विद्यार्थी उदाहरणे लिहितील.
WEEK 3	५. घाटात घाट वरंदाघा	पाठ	*विद्यार्थी प्रकटवाचन करतील. *विद्यार्थी चर्चा करतील. *विद्यार्थी पत्र लेखन करतील.
WEEK 4			
WEEK 5	६. आभाळाची अम्ही	कविता	*विद्यार्थी कवितेचा अर्थ समजावून घेतील.
WEEK 6	लेकरे		*विद्यार्थी चर्चा करतील.

**SUBJECT: HINDI**

MONTH	MAIN COURSE BOOK वसंत भाग -2	WORK BOOK & GRAMMAR नवीन शिक्षार्थी	EXPECTED LEARNING OUTCOME
JULY WEEK 1	L- 5, क्या निराश हुआ जाए	पर्यायवाची	वाचन कौशल का विकास
WEEK-2	L- 5, क्या निराश हुआ जाए	उपसर्ग-प्रत्यय	लेखन कौशल का विकास ।
WEEK-3	L-6, यह सबसे कठिन समय नहीं	संधि	आज का समय जीवन जीने के लिए कठिन नहीं है ।
WEEK -4	L-7, कबीर की साखियाँ	संज्ञा	ईश्वर भक्ति के लिए बाह्य आडंबर की आवश्यकता नहीं है ।
WEEK -5	L-7, कबीर की साखियाँ	सर्वनाम	मन हमारा शीतल हो तो कोई हमारा शत्रु नहीं होता \

**SUBJECT: PHYSICAL EDUCATION**

WEEK	TOPIC	Sub Topics	Expected Learning Outcomes
WEEK 1- 6	1. Warm-Up 2. Yoga 3. Chess 4. Table Tennis 5. Physical Fitness test 6. Volleyball	1. Warm-up- General & Specific warm-up. 2. Yoga Asanas:- Standing Asnas, Sitting Asnas, Lying Asnas & Suryanamaskar 3. Chess - Skills, Rules and individual match Practice. 4. Physical Fitness test: -BMI, Speed, Flexibility, Strength, Cardiovascular Endurance . 5. Volleyball- Underhand lift Practice 6. Sports Activity- Speed Bounce	1. Discipline through games. 2. Better hand-eye coordination. 3. Understanding of health-related fitness components 4. Improve personal fitness through exercise.

## SUBJECT: SOCIAL SCIENCE

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	2 “Land, Soil, Water, Natural Vegetation and Wildlife Resources”	. 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	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 4	– 3 “Ruling the Country Side”	. 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? Britain 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 5&6	3 ”Minerals and Power Resource	Types of minerals and distribution. 2. Uses and conservation of minerals. 3. Conventional sources of energy.	Locates distribution of important minerals e.g. coal and minerals oil on the world map.

**SUBJECT: COMPUTER SCIENCE**

WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	PT 1		
WEEK 2	Access - Creating a DataBase / AI - Excite	i) Database ii) Microsoft Access / History of AI , difference between MI & HI , Why AI matters?	Students will understand about database and components of MS Access. / Students will lunderstand about the history of Ai & why AI matters.
WEEK 3	Access - Creating a DataBase /Coding - Get creative with loops	i) Project ii) Creating a blank database / Loops, types of loops, nested loop, Exit criteria	Students will learn to create database and tables. / Students will learn about loops its different types and nested loop in coding.
WEEK 4	Access - Creating a DataBase /Coding - Get creative with loops	i) Creating a new table    ii) Adding Records to the table    iii) Exercise / Coding task 1 , Coding task 2	Students will learn to create table and to add records to the table in database.
WEEK 5	Access - Creating a DataBase	AI Lab Activity ,Revision - Class Test	

**SUBJECT: ART**

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1-6	landscape drawing	nature drawing	Develop critical thinking and problem solving skills as applies to the use of color
	drawing	sunset drawing	Develop an informed use of basic color schemes and harmonies in the creation of visual work.

**SUBJECT: GENERAL KNOWLEDGE**

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	20. SURGICAL TERMS 21. WHO'S THE SCIENTIST 22. DEFINE THEM	NIL	20. Students will be 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 3	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 4	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 5&6	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.

**SUBJECT: VALUE EDUCATION**

WEEKS	TOPIC	PROJECT/ACTIVITY RELATED TO TOPIC	EXPECTED LEARNING OUTCOMES
Week 1 to 6	Punctuality	Making time table of daily routine.	Being punctual not only makes a student dependable but also helps them to build their confidence

**SUBJECT: DANCE**

WEEKS	TOPIC	PROJECT/ACTIVITY RELATED TO TOPIC	EXPECTED LEARNING OUTCOMES
Week 1 to 6	Dance practice for Janmastami to be continued.	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: PHYSICS**

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	PT 1 EXAMS		
WEEK 2	Force and pressure	*Pressure *Pressure exerted by liquids. *Pressure exerted by gases.	Writes word 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 * Numericals -Pressure	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	Friction	*Friction, *Cause of Friction, *Factors affecting Friction	Conducts simple investigation to seek answers to queries “Is the friction the same for all the surfaces?” Explains processes and phenomenon of factors affecting friction.
WEEK 5	Friction	*increasing and Reducing Friction	Makes efforts to protect environment of using of lubricants.
WEEK 6			Applies learning of scientific concepts in day-to-day life of

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