



Bal Bharati
PUBLIC SCHOOL
RGPPL RATNAGIRI

SYLLABUS PLAN 2023-24

CLASS X

MONTH: JULY 2023

SUBJECT: MATHEMATICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	Periodic Test I	Written Test	To assess the learning form the topics
WEEK 2	Periodic Test I	Written Test Introduction to similarity Problems on Basic Proportionality theorems	To solve problems on Basic Proportionality theorem To assess the learning form the topics
WEEK 3	Periodic Test I 6. Triangles	Written Test Criteria for similar triangles Actiivty : Find the height of a pole or a tree	Explain the concept of similarity and its criteriae - the AAA similarity criterion, the SSS similarity criterion and the SAS similarity criterion,
WEEK 4	8. Introduction to Trigonometry	Introduction to trigonometry Trigonometric ratios	Aquire the knowledge about the meaning of trigonometry. Identify the trigonometric ratios of an acute angle of a right angled triangle,
WEEK 5 & 6	8. Introduction to Trigonometry	Values of specific angles Trigonometric Identities Problems on trigonometric Identities Activity: Chart making -Group Activity	Work out the trigonometric ratios of specific angles such as 45° , 60° and 30° , Identifies different trigonometric identities Use different trigonometric identities to solve problems

SUBJECT : ENGLISH

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	Two Stories about Flying : His First Flight	Thematic significance of the text, Liam O Flaherty's portrayal of an inspiring tale, value based questions, Activity : Extempore "Inspiring Instances of Your Life"	To allow students understand the power of will, Seagull's determination to succeed
WEEK 3	Two Stories about Flying : The Black Aeroplane	Thematic significane of chance and coincidences. Instances of conviction and faith. The presence of the supernatural and unknown.	To let students understand the impact of chance and coincidences in real life.
WEEK 4	From the Diary of Anne Frank	Backdrop of World War and impact of Nazi	To help students visualize the troubled life of Anne Frank
WEEK 5,6	The Ball Poem	Introspection and analysis of responsibility	To let students analyze the threshold of innocence and maturity.

SUBJECT: CHEM/BIO			
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	Ch 2 Acids Bases And Salts	*Chemical reaction of metals with Oxygen , water and acid and the products formed. Salts and formation of different salts. PRACTICAL DEMONSTRSTION	Compare the position of element in the reactivity seirs and its reaction with acid, water oxygen etc.
WEEK 3	Ch 6 Control and Coordination	*Nervous system * Reflex Action* Human Brain * Parts of human brain.	List the organs of nervous system. Explain the functions of the system. Draw flow chart to show reflex action. Draw human brain. List different parts of human brain. List the functions of each parts of human brain. Explain the functioning of the brain
WEEK 4	Ch 6 Control and Coordination	*Control And Coordination in plants. * Phyto hormones.* Glands and hormones in human.	Explain the functions of each hormone. Compare the functioning of hormones in human and in plants. Give examples for the movement in plants.
WEEK 5,6	Ch 3 Metals and Non -Metals	* Physical properties of metals. *Physical Properties of non-metals.	Recall physical properties of metals s and non-metals. Define malleability and ductility. Give example for using sonority of the metals. Give reason for covering metals with insulators.
SUBJECT: SOCIAL			
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	III. Gender, Religion and Caste	Examines the role and differences of Gender, religion and Caste in practicing Democracy in India. □ Analyses the different expressions based on these differences are healthy or otherwise in a democracy	Enumerates how the differences in gender, religion and caste impact the practicing healthy or otherwise in a Democracy □ Analyses and infers how different expressions based on the differences in Gender,Religion and Caste are healthy or unhealthy in a democracy
WEEK 3& 4	IV The Age of Industrialisation	Examine economic, political, social features of Pre and Post Industrialization. □ Analyse the impact of Industrialisation in the colonies with specific focus on India.	Enumerate economic, political, social features of Pre and Post Industrialization. □ Analyse and infer how the industrialization impacted colonies with specific focus on India.

WEEK 5&6	2 Sectors of the Indian Economy	Analyse and evaluate the economic activities in different sectors and how they contribute to the overall growth and development of the Indian economy. <input type="checkbox"/> Identify problems in different sectors and propose solutions based on their understanding of the sectors. <input type="checkbox"/> Analyse the major employment generating sectors and observe the challenges faced in an effort to provide employment to all. <input type="checkbox"/> Examines the role of Unorganised sector in impacting PCI currently and proposes suggestive steps to reduce the unorganised sector for more productive contributions to GDP <input type="checkbox"/> Examine and infer the essential role of the Public and Private sectors the	Analyses and infer how the economic activities in different sectors contribute to the overall growth and development of the Indian economy. <input type="checkbox"/> Propose solutions to identified problems in different sectors based on their understanding <input type="checkbox"/> Summarize how the organised and unorganised sectors are providing employment and the challenges faced by them <input type="checkbox"/> Enumerates the role of unorganised sector in impacting PCI currently and proposes suggestive steps to reduce the unorganised sector for more productive contributions to GDP <input type="checkbox"/> Enumerates and infer the essential role of the Public and Private sectors the present trends of PPP and efficacy of the initiative
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SUBJECT : PHYSICS

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1	PT 1 EXAMS		
WEEK 2	Electricity	Factors affecting Resistance Basic concept of Conductor, Resistor and Insulator. Textbook Numerical problems related to the topic.	Factors affecting Resistance difference between Conductor, Resistor and Insulator. <input type="checkbox"/> related to the topic.
WEEK 3	Electricity	<input type="checkbox"/> Derivation of $R_s = R_1 + R_2 + R_3$ <input type="checkbox"/> Basic concept of Resistors in parallels $1/R_s = 1/R_1 + 1/R_2$ <input type="checkbox"/> Different combinations of Resistors <input type="checkbox"/>	Resistors in series $I_s = I_1 = I_2 = I_3$ $V = V_1 + V_2 + V_3$ <input type="checkbox"/> Derivation of $R_s = R_1 + R_2 + R_3$ <input type="checkbox"/> Basic concept of Resistors in parallels $V = V_1 = V_2 = V_3$ $I_s = I_1 + I_2 + I_3$ <input type="checkbox"/> Derivation of $1/R_s = 1/R_1 + 1/R_2$
WEEK 4	Electricity	Heating effect of electric current Electric power	Heating effect of current $H = Vq = VI t = I^2 R t$ <input type="checkbox"/> Applications of heating effect in electric devices like heater, bulb, electric fuse, etc. <input type="checkbox"/> Electric power $P = VI = I^2 R = V^2 / R$ Textbook Numerical problems related to the topic.
WEEK 5	Electricity	Exercise and Intext questions	Exercise and Intext questions

SUBJECT : MARATHI			
WEEK	TOPIC	SUB TOPICS	EXPECTED LEARNING OUTCOMES
WEEK 1	PT 1		
WEEK 2	६. चुडीवाला	पाठ	*विद्यार्थी प्रकटवाचन करतील. *विद्यार्थी चर्चा करतील.
WEEK 3	६. चुडीवाला	पाठ	*विद्यार्थी प्रकटवाचन करतील. *विद्यार्थी चर्चा करतील.
WEEK 4	कथालेखन	उपयोजित लेखन	*विद्यार्थी कथालेखनाचे नियम समजावून घेतील *विद्यार्थी कथा लेखन करतील.
WEEK 5	८.ऊर्जाशक्तीचा जागर	पाठ	*विद्यार्थी प्रकटवाचन करतील. *विद्यार्थी चर्चा करतील.
SUBJECT : SANSKRIT			
MONTH	MAIN COURSE BOOK शेमषी-2	WORK BOOK & GRAMMAR अभ्यासवान् भव, व्याकरण वीथि:	EXPECTED LEARNING OUTCOME
JULY WEEK 1	शुचि पर्यावरणम्, बुद्धिर्बलवती सदा, शिशु लालनम् (पुनरावृत्ति)		छात्रों द्वारा अर्जित ज्ञान को स्थायीत्व प्रदाब करना
WEEK 2		प्रत्ययाः	व्याकरण का ज्ञान
WEEK 3		समास	व्याकरण का ज्ञान
WEEK -4	L-5, जननी तुल्यवत्सला	सन्धि: , प्रत्ययः	समाज में दुर्बल लोगों अथवा जीवों के प्रति भी माँ की ममता प्रगाढ़ होती है
WEEK-5	L-6 , सुभाषितानि	समास, सन्धि:, विलोमपद	परिश्रम का महत्त्व, क्रोध का दुष्प्रभाव, वस्तुओं की उपादेयता, बुद्धि की विशेषता
SUBJECT : COMPUTER			
WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 2	Getting Started with Python	Deciding usage of python data types , Operators, Precedence of operators	Students will learn about different datatypes, operators, and precedence of operators.
WEEK 3	Getting Started with Python	Expressions , Statement, Input & Output Functions	Students will learn to use expressions, statement, input & output functions & their syntax

WEEK 4	Getting Started with Python	Lab Activity	Students will gain practical knowledge in creating python programs using the features learnt.
WEEK 5	Getting Started with Python	Type Conversion , Debugging & Exercise	Students will learn about datatype conversion and debugging in python

SUBJECT : PHYSICAL EDUCATION

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
WEEK 1-6	Warm-Up Yoga Chess Table Tennis Volleyball Physical Fitness test	warm-up- General & Specific warm-up.	Discipline through games. hand-eye coordination. Understanding of health-related fitness components. Improve personal fitness through exercise.

SUBJECT : DANCE

WEEK	LESSON	TOPICS	LEARNING OUTCOMES
Week 1 to 6	Dance practice on the song 'Pasoori'	Students will practice this dance in the form of Aerobics/Zumba	Children will learn how to flexible the body and how it will also helpful for their performance.

SUBJECT : ART

WEEK	TOPIC	SUB TOPICS	EXPECTED 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 : VE

Weeks	TOPIC	Project/Activity related to Topic	Expected Learning Outcomes
Week 1 to 6	Perseverance	Writing based on social-emotional learning could help students to reflect on past experiences, helping them grow.	Perseverance implies that a person will persist with a task even when he would rather do something else or when the task becomes difficult.

CLASS TEACHER : MALABIKA BHATTACHARJEE