




DDMS P.OBUL REDDY PUBLIC SCHOOL		SCHOLASTIC & NON-SCHOLASTIC MONTHLY LOG: AUGUST (2024-25)					
		Class: X		No. of working days: 24			
CLASS TEACHERS: XA Ms K JYOTHI LAKSHMI		XB Ms RADHIKA	XC Ms MALLESHWARI	XD Ms BEULAH SUHASINI	XE Ms NAGAJYOTHI		
S No.	Name of Subject &	Lesson / Topic	Activity/	Material Required	Teacher's Demonstration	Additional Information	Relevance of the topic to
1	ENGLISH Ms. BEULAH SUHASINI Ms.PALLABI CHATTERJEE	TB:From the Diary of Anne Frank, Amanda,Glimpses of India-1,2&3,The Trees SR:A Question of trust,Footprints without Feet Gr: Modals Wr:Analytical Paragraph Writing	*A classroom discussion on – Have you ever lost something you liked very much and how did you cope up with the situation? * Diary Entry: Maintaining a personal diary	Textbook, Supplementary Reader, Reference Material	Teacher will explain: the new vocabulary and the figures of speech covered in the poems, rules of the grammar concept and the format of analytical paragraph writing with a sample	Youtube Videos:(1)Anne Frank-A life in Hiding https://youtu.be/UhdCR2ovC_g (2) A visit to a traditional Goan Bakery https://youtu.be/24VnoBqVzDE Read the poem 'On Killing a Tree' by Gieve Patel	Students will be able : *to accept the situations and face them with a lot of courage and find solutions to problems in life *to learn decision making in most adverse conditions *to identify their strengths' and weaknesses'
2	II LANGUAGE (TELUGU) Ms. MADHAVI Ms. CHANDRAKALA Ms. PRASUNA	7. శతక మధురిమ 8. లక్ష్మసీద్ధి ఉ.వా: 3. అరణ్యకాండం, ఛందసులు, అలంకారాలు	కవులపేర్లు- శతకాలు చార్ట్ వార్తా రచన వ్రాయించుట శ్రవణనైపుణ్యం Test	తెలుగు వాచకం	వ్యాకరణాంశములను ఉదాహరణలతో వివరించుట. పాఠ్యాంశాన్ని చదివించి, వివరించుట.	సంపాదకీయం ప్రాధాన్యతను, శతక పద్యాల ద్వారా నీతిని గ్రహిస్తారు.	నైతిక విలువలను పాటిస్తారు. దినపత్రికలు చదవడానికి ఆసక్తి చూపుతారు.
3	II LANGUAGE (HINDI) Ms.AMITA VERMA Ms.SAROJ P Ms.JAYSHRI V	स्पर्श- पाठ-तीसरी कसम के शिल्पकार- शैलेन्द्र, मीरा के पद , पत्र लेखन	चलचित्रों का सामान्य नागरिकों के जीवन पर कैसा प्रभाव पड़ता है?- इस विषय पर कक्षा में वाद-विवाद किया जाएगा ।	पाठ्य-पुस्तक, व्याकरण पुस्तक	अध्यापिका व्याख्यान पद्धति का अनुसरण करते हुए छात्रों को पाठ के केन्द्रीय भाव से अवगत करवाएंगी।	मीरा की जीवन यात्रा का संक्षिप्त वर्णन, फिल्मकार शैलेन्द्र के जीवन पर यू.ट्यूब वीडियो दिखाए जाएंगे। कला सिनेमा और व्यावसायिक सिनेमा के अंतर को सीखेंगे।	छात्र मीरा बाई की दास्यता पूर्ण भक्तिभाव से अवगत होंगे। स्वतंत्रता प्राप्ति के लिए किए गए संघर्षों में माहिलाओं द्वारा दी गए योगदान को जान पाएंगे।

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4	MATHEMATICS Ms. R.MALLESHWARI Ms. D.NAGAJYOTHI	Ch=3 Pair of linear equations in two variables Ch=4 Quadratic equations Ch=5 Arithmetic progressions	<p>* To obtain the condition for consistency of a system of Linear Equations in Two Variables by graphical method.</p> <ul style="list-style-type: none"> To verify that the sum of first 'n' natural numbers is given by $n(n+1)/2$ by graphical method. To verify that the sum of first 'n' odd natural numbers is n^2 by graphical method. 	Graph sheets Square ruled sheet Pencil Scale Eraser Colour pencils	<p>* Explaining how to solve the pair of linear equations graphically and algebraically.</p> <p>* Using the paper cutting and pasting method, verify that the given sequence is an arithmetic progression.</p> <p>* Understand the concept of sequence/patterns and A.P. as a special sequence.</p>	<p>* Solve the quadratic equations by factorisation and by using quadratic formula.</p> <ul style="list-style-type: none"> To understand about nature of roots. To apply the concept in solving word problems. 	<p>Application of Linear Equations in Real life is</p> <ul style="list-style-type: none"> It can be used to solve age related problems. To calculate speed, distance and time of a moving object. To solve geometry related problems. <p>Quadratic equations are used in many real-life situations such as calculating the areas of an enclosed space, the speed of an object, the profit and loss of a product, etc.</p> <p>Arithmetic progression concept is used to determine the number of audience members a stadium can hold, etc.</p>

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5	SCIENCE (PHYSICS) Ms. K JYOTHI LAKSHMI Mr. VARAPRASAD Ms. LAKSHMI MANASA	THE HUMAN EYE AND THE COLOURFUL WORLD: Atmospheric refraction- twinkling of stars, advanced sunrise and delayed sunset. Scattering of light- Tyndall effect, why is the colour of clear sky blue, colour of sun at sunrise and sunset .	Simulating the Blue Sky: To understand why the sky appears blue and why sunsets are red.	A transparent glass tank or a large glass, Water, Milk, A flashlight.	Teacher will demonstrate and explain the procedure Fill the tank or glass with water, Add a few drops of milk to the water and mix well, Shine the flashlight from one side of the tank. Observe the color of the water from different angles.	The milk particles scatter the light. When viewed from the side, the water appears bluish due to the scattering of shorter wavelengths of light (blue). When viewed directly opposite to the light source, the water may appear reddish due to the scattering of longer wavelengths (red), simulating the colors of the sky during the day and at sunset.	Twinkling of stars, apparent position of stars, flattened sun at horizon, mirages- temperature gradients in the atmosphere can bend light rays, creating the illusion of water on roads or in deserts helps travelers in road safety. Scattering of light- blue sky, red sunsets and sunrises, visibility and air quality- the scattering of light by pollutants and dust in the air can reduce visibility and affect air quality, optical experiments- used in designing lenses and instruments like glasses, cameras, telescopes and microscopes.

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6	SCIENCE (CHEMISTRY) Ms. K JYOTHI LAKSHMI Ms. LAKSHMI MANASA	Metals and Non-Metals: Physical properties of metals and non metals, chemical properties of metals: Reactions with oxygen, water, acids, reaction of metals with solutions of other metal salts, reactivity series, how do metal reacts with non metals- ionic compounds and their properties.	Activity-1: Reactivity Series Experiment - To observe the reactivity of different metals with acids and water. Activity-2 : Displacement Reaction - To demonstrate displacement reactions between metals and salt solutions.	Activity-1: Materials required-Small pieces of metals (e.g., sodium, calcium, magnesium, zinc, iron, and copper) - Dilute hydrochloric acid (HCl) - Water - Test tubes. Activity -2: Materials required- Copper sulfate solution (CuSO ₄) - Zinc sulfate solution (ZnSO ₄) - Iron nails - Copper wires - Zinc granules - Test tubes	Teacher will demonstrate and explain the procedure by Activity-1: 1.Take small pieces of each metal and place them in separate test tubes. 2. Add a few milliliters of water to each test tube and observe any reaction. 3. Now add dilute HCl to each test tube and observe the reactions. 4. Record the rate of reaction and the formation of gas (if any). Activity-2: 1.Take two test tubes and fill one with copper sulfate solution and the other with zinc sulfate solution. 2. Place a clean iron nail in the copper sulfate solution and a clean copper wire in the zinc sulfate solution. 3. Leave them for a few minutes and observe any changes in color or deposition on the metals.	Activity-1: Metals like sodium and calcium react vigorously with water. - Metals like zinc and iron react slowly with dilute HCl, while copper shows no reaction. Activity-2: Iron nail in copper sulfate solution will get a reddish-brown coating of copper. - Copper wire in zinc sulfate solution will show no reaction.	Corrosion Prevention, Batteries:The reactivity of metals is a fundamental concept in the design of batteries. More reactive metals are used as anodes and less reactive ones as cathodes to create an efficient electrochemical cell,Metal Extraction,Water Treatment, Metals such as steel and aluminum are widely used in construction due to their strength, durability, and ability to withstand various environmental conditions,Non-metals like carbon (in the form of graphite) are used in medical applications, such as in prosthetics and implants, due to their biocompatibility and strength, Metals like aluminum and titanium are used in the automotive industry for manufacturing lightweight and strong vehicle parts, improving fuel efficiency and safety.

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7	SCIENCE (BIOLOGY) Ms. D S P V NAGALAKSHMI Ms. KVL TRIVENI Ms.U.SUJATHA Ms. B NAGAVEENA	Life processes - Excretion and Control and coordination	Experiment -1.To explain various parts of the human brain.	Cauliflower,Colours	Teacher will demonstrate various parts of the human brain and its function.	Trophic hormone: It regulates secretion of hormones from other endocrine glands. Prolactin hormone: It regulates the function of mammary glands in females. Vasopressin hormone: It regulates water and electrolyte balance in the body, Oxytocin hormone: It regulates ejection of milk during lactation.	Teacher will talk about reflex action in our daily lives, impact of injuries, stress response.	
8	SOCIAL SCIENCE Ms. S.RADHIKA Ms. C.SREEJYOTHI	Hist 2 Nationalism in India Civ 3 Gender, Religion and Caste	Map skills - Important centres of Indian Freedom Movement	India Political Map or Mapworkbook and Textbook	Teacher will explain the mapskill with the help of Audio Visual Aid Showing Pictures of famous and brave Women.	The teacher will introduce and explain the meaning and roles of Gender . A video is shown on Stereotypes https://youtu.be/ujGqizI arAY	Harmony, Equality, Awareness, Sharing are the traits learnt by the students after thorough learning of Gender, Caste and Religion.	
9	COMPUTER APPLICATIONS Ms. P NANCY NEWTON Ms.MAYA	Unit 2: HTML • Introduction to web page designing using HTML	Create and save an HTML document, access a web page using a web browser	Text Book, Internet, Smart Board,PPTs	• HTML tags: html, head, title, body, (attributes: text, background, bgcolor, link, vlink, alink), br (break), hr(horizontal rule), inserting comments, h1..h6 (heading), p (paragraph), b (bold), i (italics), u (underline)	Ability to create a simple website	Creation and implementation of web site. ex: School Website www.amsporps.org	

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10	ARTIFICIAL INTELLIGENCE Ms. P NANCY NEWTON Ms.MAYA	Unit 7: Evaluation Model Evaluation Terminology,Confusion Matrix,Evaluation Methods	Session & Activity: Confusion Matrix ● Activity- to make a confusion matrix based on data given for Containment Zone Prediction Model	CBSE Hand book, Text Book, Internet, Smart Board	Learn about the different types of evaluation techniques in AI, such as Accuracy, Precision, Recall and F1 Score, and their significance.	Session: Evaluation Methods ● Accuracy ● Precision ● Recall ● Which Metric is Important? - Precision or Recall ● F1 Score	Email Spaming, forest fire, Gold Mining,Break down of viruses- with confusion matrix.
11	COMP. TELUGU	L-3 in Textbook, L-1 in Non-detail					
12	EVENTS	07/08/2024(Wednesday)-Haritha Haaram(Tentative),09/08/2024(Friday)-Yugen-PORPS MUN(Tentative),15/08/2024(Thursday)-Independence Day					
13	HOLIDAYS	16/08/2024(Friday)-Varalakshmi Vratam,26/08/2024(Monday)-Krishnastami					
14	HPE/YOGA	SEWA/Standing Asanas and Calisthenics Exercises					
15	CO-CURRICULAR ACTIVITIES	Quiz Competition,Technology Competition					
16	SPORTS ACTIVITIES	Throwball(Boys),Basketball(Girls)					
17	EXAMINATIONS	-					
18	LIBRARY ACTIVITIES	NIE Newspaper Reading					
 FORM INCHARGE Ms. K JYOTHI LAKSHMI		 VICE PRINCIPAL Ms. B NAGAVEENA		 PRINCIPAL Ms. K VINITHA			