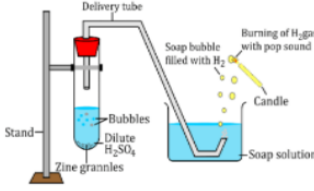


Class: X No. of Working Days: 16							
CLASS TEACHERS: XA Ms D. NAGAJYOTHI XB Ms BEULAH SUHASINI XC Ms NAGALAKSHNI XD Ms V. RAJITHA XE Ms K. JYOTHI LAKSHMI							
S No.	Name of Subject & Subject Teacher	Lesson / Topic	Activity/ Experiment	Material Required	Teacher's Demonstration	Additional Information	Relevance of the topic to real life
1	ENGLISH Ms. BEULAH SUHASINI Ms. G.LAKSHMI Ms. GOWRI JAYAN	TB & WB: Nelson Mandela-Long Walk to Freedom, A Tiger in the Zoo SR: The Thief's Story Gr: Tenses Wr: Formal Letter (Order, Complaint)	One-Minute Speech: "freedom Vs Captivity." Classroom Discussion :What if Hari had run away with the money? What if Anil had confronted Hari Singh?	Textbook, Supplementary Reader	The teacher will discuss the life of Nelson Mandela as a freedom fighter, anti-apartheid revolutionary, and statesman.	The teacher will discuss about Mandela's ideals of courage, forgiveness, and service to humanity.	Students develop into responsible citizens and contribute positively to the society and overcome life's challenges with courage, determination, and compassion.
2	II LANGUAGE (TELUGU) Ms. MADHAVI Ms. PRASUNA Ms. VIJAYA JHANSI	2. పొడుపు కథలు - బోధన, నోట్స్ (లేఖ, దినచర్య, సంభాషణ) పారిభాషిక పదాలు – 9 to 16 5. నీతి పరిమళాలు :పద్యాలు భావాలు- 1 and 2 ఉపవాచకం: LS 1 హంస ఎవరిది- బోధన, నోట్స్	పొడుపుకథలు (GROUP ACTIVITY) మార్కులు -10 శ్రీమతి దుర్గాబాయి దేశ్ ముఖ్ సమాజ అభ్యున్నతి కోసం పోరాడిన ఉక్కు మహిళ వ్యాసం – 10 M పద్యాలను రాగ, భావయుక్తంగా ధారణ చేయించడం –	పాఠ్యపుస్తకం	పొడుపు కథలు పుట్టుక, అవి జన బాహుళ్యంలోకి చొచ్చుకోనిపోయి జనాదరణ పొందిన పొడుపు కథలంటే అందరికీ సరదానే అనే అంశాన్ని విద్యార్థులకు వివరించడం	పొడుపు కథలను సేకరించి విద్యార్థులకు అందించడం.	దైనందిన జీవితంలో పొడుపు కథలను పొడవడం విప్పడం పట్ల ఉత్సాహాన్ని కనబరుస్తారు.
3	II LANGUAGE (HINDI) Ms.AMITA VERMA Ms. SAROJ	स्पर्श - पद्य - कबीर की साखियाँ संचयन - हरिहर काका	यदि आप हरिहर काका के स्थान पर होते तो क्या करते ?या आपके पास-पड़ोस में हरिहर काका वाली स्थिति में आप किसी को देखते तो आप उसकी क्या सहायता करते , इस बात कक्षा में चर्चा	पाठ्य-पुस्तक, व्याकरण पुस्तक , उत्तर पुस्तिका	अध्यापिका पाठ का आदर्श वाचन करेगी, तथा पाठ का भाव समझाएंगी, प्रश्नोत्तरों की चर्चा की जाएगी, अन्य महत्वपूर्ण , अर्थ ग्रहण संबंधी प्रश्नों के उत्तर समझाए जाएंगे।	बुजुर्गों की सेवा -सुश्रुषा उनकी आवश्यकताएँ आदि पर चर्चा की जाएगी तथा इनसे सम्बन्धित कुछ निर्देश दिए जाएँगे ।	छात्र कबीर की साखियों से सीख लेकर अहंकार का त्याग करेंगे , ईश्वर भक्ति में मन लगाएँगे , अपने स्वभाव को निर्मल बनाएँगे, सबसे मीठी वाणी कहेंगे , तथा हरिहर काका पाठ की सीख लेकर वृद्धों की सेवा करेंगे ।
4	MATHEMATICS Ms.R.MALLESHWARI Ms. D.NAGAJYOTHI Ms. P.K.KRANTHI	Ch=3 Pair of linear equations in two variables Ch=4 Quadratic equations Ch=8 Introduction to trigonometry	Drawing the graphs of pair of linear equations in two variables	Graph paper, ruler, pencil, eraser, pen	Explanation done in an interactive and Question-answer manner and with the help of ratios of coefficients of pair of linear equations in two variables.	A quadratic equation whose coefficients are real numbers can have either zero, one, or two distinct real-valued solutions, also called roots. When there is only one distinct root, it can be interpreted as two roots with the same value, called a double root.	One of the most common uses of real numbers in daily life is 'Measurement'. And also using Quadratic formula for calculating areas, or formulating the speed of an object. These quadratic equations are also needed when studying lenses and curved mirrors.

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5	SCIENCE (PHYSICS) Ms. K JYOTHI LAKSHMI Ms. LAKSHMI MANASA Ms. NAGA KUMARI	Light- reflection and refraction	Refraction of light through glass slab	A4 sheet, soft board, soft board pins, glass slab, scale, protactor, pencil	When a ray of light travels from one transparent medium to another transparent medium it changes its direction at the boundary of two media.	When light travels from rarer medium to denser medium, the refracted light normal. When a ray of light travels from denser medium to rarer medium, the refracted light bends away from the normal. The distance between the extended incident ray and the emergent ray is called lateral shift/ lateral displacement.	Swimming pool appears to be shallower than its real depth. Twinkling of stars is due to atmospheric refraction. Early sun rise and delayed sun set.
6	SCIENCE (CHEMISTRY) Ms. K JYOTHI LAKSHMI Ms. LAKSHMI MANASA Ms. VARSHA	ACIDS, BASES AND SALTS. Indicators, Reaction of acids and bases with metals.	Reaction of zinc granules with dilute sulphuric acid and testing hydrogen gas by burning. Passing carbon dioxide gas through calcium hydroxide solution	Test tubes, delivery tube, lime water, Sodium carbonate, Zinc granules, burning splinter and dilute Sulphuric acid.		Types of Indicators and how they change their colour in acidic, basic and neutral solutions.	Vinegar (acetic acid) is used as a natural cleaner due to its acidic properties, while ammonia (a base) is a common ingredient in window cleaners. Citric acid is used in shampoos to adjust pH, and sodium hydroxide (lye) is used in soap making. 
7	SCIENCE (BIOLOGY) Ms. D S P V NAGALAKSHMI Ms. KVL TRIVENI Ms.U. SUJATHA	Life processes - Respiration and Transportation	Experiment to prove that the air we breathe out contains carbon dioxide Activity 1 chapter 6 Tasting experiment	Test tubes, lime water, glass tube, sugar	Teacher will demonstrate by blowing air into a glass tube and passing it through a test tube containing lime water. Teacher will ask the students to taste sugar with blocking nose and without blocking nose	Talk about valve replacement -How and when it is done.	Understanding how water and nutrients are transported in plants through processes like transpiration and translocation is crucial for understanding growth and agricultural practices.

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8	SOCIAL SCIENCE Ms. S.RADHIKA Ms. SHWETA LOHANI Ms. RAJALAKSHMI PS Ms. RAJITHA	History 1 Nationalism in Europe Economics 1 Development	Map Analysis : Students to identify and label key regions, empires, and newly formed nation-states in the political map of Europe. Role play on conflicting goals/ Paragraphwriting on your life's goals.	World Political map, Europe political map, Textbook, PPT, flow chart and smart board	Teacher will explain the idea of Nationalism and how it led to the formation of Nation states in Europe. The unification of different countries of Europe will be explained. The concept of Development will be explained. How the concept is different for different people; the reasons behind that differences etc will be explained with suitable examples. Later it will be connected with National development plans.	Teacher will explain the concepts of Imperialism and colonialism and World war. The organisations like World Bank, UNDP. Concepts like public facilities, HDR, WDR.	The chapter explains the shift from Empires to Nation. It showcases nationalism's positive role in uniting diverse populations under a common banner, fostering a sense of culture which eventually led to the creation of unified nations. The chapter highlights the importance of qualitative indicators of Development. Along with income indicators, the chapter introduces more holistic indicators to students. It emphasises the importance of Public facilities and the role of Government in the development of Nations.
9	ARTIFICIAL INTELLIGENCE (417) Ms. P NANCY NEWTON Ms. SRAVANTHI	Unit 1: Revisiting AI Project Cycle & Ethical Frameworks for AI Unit 5: Green Skills	Activity: My Goodness https://www.my-goodness.net/ Supervised Learning (https://teachablemachine.withgoogle.com/), Unsupervised Learning (https://experiments.withgoogle.com/ai/drummachine/view/) group activity on identifying eco-friendly practices in school/home https://youtu.be/Zk1bDWdS7Fc?si=ETxAspS-2bAGyPW1	PPT, board, markers, computer systems with Internet	Revisiting AI Project Cycle The three domains of AI and their applications. Frameworks, Ethical Framework and need of Ethical Frameworks for AI. Types of Ethical Frameworks. Bioethics and a case study in bioethics. Differentiate between AI, ML, and DL Common terminologies used with data	Bioethics is the multidisciplinary study of ethical, social, and legal issues arising in biomedicine, biotechnology, and the life sciences. https://youtu.be/uvqDTbusdUU?si=PbnM4tsK67v5ilqv https://youtu.be/KyB7NSWEODE?si=Ej4QI95qI9L1tG63 https://youtu.be/9GA1MOebv58?si=SbLo67_wTadsawWc https://youtu.be/JUGKr-zTfTk?si=igAMpDvUJZd7ssU	The AI Project Cycle is used to develop solutions for real-world problems such as disease detection, traffic management, and personalized learning. Ethical AI ensures fairness, privacy, transparency, and responsible use of data. Green skills help people conserve resources, reduce pollution, and promote sustainable practices such as renewable energy, waste management, and water conservation. AI can support green skills through smart farming, energy management, and waste sorting systems.
NON - SCHOLASTIC							
10	HPE/YOGA	Yoga - Suryanamaskars, Asanas					
11	HOLIDAYS	Muharram(26/6/26)					
12	IMPORTANT DAYS	International Yoga Day,World Music Day(21/6/26)					
13	EVENTS	Graduation Ceremony of Class XII (27/6/26)					
14	EXAMINATIONS	NIL					

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15	SPORTS	NIL					
16	CCA	CCA-Quiz(17/6/26), Photography(24/6/26)					

FORM INCHARGE
Ms. RAJITHA

HEADMISTRESS
Ms.S. RADHIKA

PRINCIPAL
Ms. K VINITHA