



AURUM THE GLOBAL SCHOOL

ACTIVITIES FOR THE MONTH OF SEP-OCT 2025

CLASS –UNNAYAN (XI – A)

24 Sep 25	• Cyber Olympiad	4 Oct 25	• PMI 4
25 Sep 25	• G.k. Olympiad		
26 Sep 25	• English Olympiad	18 Oct 25	• Annual Concernt
27 Sep 25	• Uiversity Fair		

LEARNING OUTCOMES FOR AUGUST 2025

SUBJECT	TOPICS COVERED IN COVERED IN AUG (2025)	TOPICS TO BE COVERED IN SEP-OCT (2025)	LEARNING OUTCOMES
ENGLISH	Main Course: Mother's Day Tenses Voices Debate Writing (Completed)	Literature: Hornbill Prose Ch. 4 - The Adventure	Students will : - understand the concept of alternate realities and the subjective nature of experience. - grasp how the story explores the possibility of different versions of reality coexisting and how one's perception can shape their understanding of events.
		Poem 5 - Childhood	- focus on understanding the poem's themes of lost innocence and the transition to adulthood. - identify literary devices, analyze the poem's structure, and reflect on its meaning. - to recall key events, explain the central themes, analyze literary devices like imagery and symbolism.
		Grammar: Direct-Indirect	understand the rules for changing tenses, pronouns, and time/place references when transforming direct to indirect speech.
		Writing: Poster Making	- develop visual communication skills. - learn to design eye-catching posters with a clear message, using appropriate language, visuals, and layout.
MATHS	Ch-9: Straight line Ch- 10: Conic sections (Completed)	Three dimensional geometry	Students will : - coordinates of a point in a space. - distance between two points using distance formula. - section formula and problems based on it. - median and centroid of a triangle.
		Limits and derivatives	- need for concept of limits. - limiting values of different functions. - derivatives using first principle. - intuitive idea of derivatives. - use various rules for finding derivatives like product rule and divide rule.
PHYSICS	Ch 6- System of Particles and rotational motion Chapter 7- Gravitation (Completed)	Ch 8 Mechanical properties of solids	Students will: Mechanical properties of solids - stress and strain - stress strain curve - young's modulus,bulk modulus,shear modulus

			• poisson's ratio • elastic potential energy in a stretched wire. • numerical on the above topics.
		Ch 9 Mechanical properties of fluids	Mechanical properties of fluids • pressure • pascal's law • variation of pressure with depth • atmospheric pressure and gauge pressure • applications of pascal's law • streamlined flow • bernoulli's principle • torricelli's law • applications of bernoulli's principle • viscosity • stokes law • surface tension and surface energy • angle of contact • drops and bubbles • capillary rise • numerical on the above topics.
CHEMISTRY	Unit 6 : Chemical Thermodynamics Unit 7 Equilibrium (Completed)	Unit 7 Equilibrium	Students will learn : • establish a relationship between K_p and K_c • classify substances as acids or bases according to arrhenius, bronsted - lowry and lewis concepts, • classify acids and bases as weak or strong in terms of their ionization constants • explain the dependence of degree of ionization on concentration of the electrolyte and that of the common ion; • describe pH scale for representing hydrogen and concentration • explain ionization and its dual role as acid and base • describe ionic product K_w and pK_w for water • appreciate the use of buffer solutions • calculate solubility product constant
		Unit 8 Redox Reactions	• identify redox reactions as a class of reactions in which oxidation and reduction reactions occur simultaneously; • define the terms oxidation. reduction, oxidant (oxidising agent) and reductant (reducing agent); • explain mechanism of redox reactions by electron transfer process; • use the concept of oxidation number to identify oxidant and reductant in a reaction; • classify redox reaction into reactions; combination (synthesis), decomposition, displacement and disproportionation • suggest a comparative order among various reductants and oxidants; • balance chemical equations using (i) oxidation number (ii) half reaction

			method; learn the concept of redox reactions in terms of electrode processes.
BIOLOGY	Ch 8: Cell : The unit of Ch 9: Biomolecules Life (Completed)	Ch 10: Cell Cycle and Division	Students will : - comprehend the phases of the cell cycle (interphase and m phase) and their significance in growth and development. - differentiate between mitosis and meiosis in terms of process, stages, and biological importance. - explain the role of cell cycle checkpoints in regulating proper cell division. - describe how mitosis ensures genetic stability, while meiosis introduces genetic variability.
		Ch 11: Photosynthesis in Higher Plants	- explain the structure of chloroplast and its role in trapping solar energy. - differentiate between light reactions (photophosphorylation) and dark reactions (calvin cycle). - comprehend the c3, c4 pathways, and their ecological significance. - analyze factors affecting photosynthetic efficiency (light intensity, CO_2 concentration, temperature, etc.). - appreciate the importance of photosynthesis in sustaining life and global energy flow
		Ch 12: Respiration in Higher Plants	- comprehend the stages of cellular respiration – glycolysis, krebs cycle, and oxidative phosphorylation. - differentiate between aerobic respiration and anaerobic respiration in terms of energy yield. - explain the role of electron transport chain (etc) and atp synthesis in mitochondria. - comprehend the concept of respiratory quotient (rq) and its significance for different substrates. - analyze how respiration provides energy for various metabolic processes in
COMPUTER SCIENCE	Ch- Strings Ch- Lists (Completed)	Ch- Tuples and Dictionaries	Students will: - understand the concept of tuples - different tuple operations - tuple methods and built in functions - tuple assignment - nested tuples - tuple handling - introduction to dictionaries - dictionaries are mutable - dictionary operations - traversing a dictionary - dictionary methods and built in functions

			manipulating dictionaries
PSYCHOLOGY	Ch 5- Sensory, Attentional and Perceptual processes Ch 6- Learning (Completed)	Ch 7- Human memory	Students will: - understanding the nature of memory - distinguishing between different types of memory - explaining how the contents of long term memory are represented and organised - appreciating the constructive and reconstructive processes in memory - understanding the nature and causes of forgetting - strategies for improving memory
		Ch - 8 Thinking	- describing the nature of thinking and reasoning - demonstrating an understanding of some cognitive processes involved in problem solving and decision making - understanding the nature and process of creative thinking and learn ways of enhancing it - understanding the relationship between language and thought
		Ch 9- Motivation and Emotion	- understanding the nature of human motives - describing the nature of some important motives - describing the nature of emotional expression - understanding the relationship between culture and emotion - knowing how to manage your own emotions.
PDP	SWOT (Guided) Research on effective study skills (Completed)	Stress management Anger management	Students will: - identify common causes of academic and personal stress - know coping techniques and prioritization skills - understand how to manage emotional responses
MUSIC	Code-034 Life sketches of artists. Raga expansion via Swar-Alaap and taan. Practical understanding of rag through Swar-aalaap and related songs. Code-036 Life sketches of artists. Writing a new composition in Taal Tritaal. Playing of Kayda(composition) in Tritaal. Introduction of new “Bols” in Tabla (Completed)	Life sketches of Musicians and Revision of previous month’s LOC	Students will: Analyze their learnings and will revise to pursue their learnings effectively.

HEALTH & PHYSICAL EDU.	UNIT-6 Test, Measurement and evaluation (Completed)	Unit-6 (Test, Measurement & Evaluation)	Students will : differentiate formative and summative evaluation, understand bmi: a popular clinical standard and its computation, differentiate between endomorphy, mesomorphy & ectomorphy h describe the procedure of anthropometric measurement.
		Unit-7 (Fundamentals of Anatomy, Physiology in Sports)	identify the importance of anatomy and physiology, recognize the functions of the skeleton, figure out the properties and functions of muscles and understand how they work, understand the anatomy of the respiratory system and describe it's working.
SPORTS	Soccer Moving: Rollovers, One Foot, Moving: Small Dribbles Outside Fake Pass Pull (Same Direction) Stationary Power Shot Practice Match 6 v 6 Chess Mate in 1 basic exercise. Opening principles. Practice games (Completed)	Chess Tournament practice Physical Fitness Shuttle Run Dodgeball Jump Rope Challenges Physical Fitness test Station workout	Students will : able to demonstrate various types of sports activities, drills and moves .
PAINTING	Practical: Painting Composition (on round canvas) (To be continued)	Painting Composition (on round canvas) and workshop with artists	Students will : • be able to arrange the elements according to the topic. • be able to think about the relationship between space and object • able to understand about negative and positive space. • improve imagination skill. • learn about the principles of painting composition. • learn about the visual application of imagination. • learn that how to express different moods of life and nature in line, form and color.

Note

Dear parent,

If your ward is struggling in any particular concept taught in the month of **Sep-Oct 2025**, you can inform school through whatsapp on **(8859505665)** or e-mail at aurum@aurum.edu.in

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Send the entries in the following format.

Name of the Student _____		Class _____	Sec _____
Subject		Concept to Revisit	