



K R MANGALAM WORLD SCHOOL K P - 5 NOIDA EXTENSION
MONTHLY PLANNER FOR THE MONTH OF AUGUST (SESSION 2025 - 2026)
CLASS: XI SCIENCE

Subject	Week -1 (1 day)	Week - 2 (5 days)	Week - 3 (4 days)	Week - 4 (5 days)	Week - 5 (5 days)
BIOLOGY	Chapter 8 : Cell: The unit of life Day 1: Introduction to the chapter with pre reading material	Day 1: cell envelop and its modifications Day 2: cell wall Day 3: Nucleus Day 4: Notebook work and class presentation Day 5: Revision Test	Chapter 9: Biomolecules Day 1: Introduction to the chapter with pre reading material Day 2: Primary and Secondary metabolites Day 3: Structure of proteins and enzymes Day 4: Factor Affecting Enzyme Activity	Day 1: Notebook work and class presentation Day 2: Revision Test Chapter 10: Cell Cycle and Cell Division Day 3: Introduction to the chapter with pre reading material. Day 4: M phase Day 5: Significance of Mitosis	Day 1 : Meiosis Day 2: Significance of meiosis Day 3: notebook work and class presentation Day 4: Revision Test
H.W.	Read the chapter	Draw diagrams	Read the chapter	Read the chapter	Draw diagrams
CHEMISTRY	Day 1 (PART -1) CH-2 Structure Of Atom Bohr's Model for Hydrogen Atom	Day 1 Planck's quantum theory , photoelectric effect and threshold energy Day 2 Atomic spectrum, spectrum of Hydrogen, Rydberg's formula Day 3 Bohr's atomic model and its application, The De Broglie Hypothesis and wave-particle Duality Day 4 Heisenberg's Uncertainty Principle, Quantum mechanical model of atom Day 5 Orbital and Quantum numbers	Day 1 Shape of Orbitals, Nodes in atomic orbitals Day 2 Aufbau principle, electronic configuration, Pauli's exclusion principle Day 3 Hund's rule, Exceptional configuration of chromium and copper, Day 4 Stability of completely filled and half filled subshells	Day 1 Class test Day 2 Group presentation Day 3 (PART-2) CH-2 Organic Chemistry – Some Basic Principles and Techniques Introduction, structural representation of organic compounds Day 4 Introduction, structural representation of organic compounds (Continued) Day 5 Tetra valance of Carbon, the shape of carbon compounds	Day 1 Some characteristic feature of Pi bond Day 2 Structural representation of organic compounds Day 3 Structural representation of organic compounds (Continued) Day 4 Classification of organic compounds Day 5 Classification of organic compounds (Continued)
H.W.	Go through Chapter	Learn about quantum theory	Practice to write electronic configuration	Prepare CH -2 for class test	Go through Chapter
COMPUTER	Day 1: 1 Aug Complete the Questions for Chapter 3	Day 1 :4 Aug • Complete the Questions for Chapter 3 Day 2 : 5 Aug Revision Chapter 1 And 3 Day 3 6 Aug Revision test 1 Day 4 7 Aug Revision test 2 Day 5 8 Aug	Day 1 :11 Aug Chapter 2 :Encoding Schemes and Number System • Introduction • ASCII Day 2 :12 Aug Chapter 2 :Encoding Schemes and Number System • ISCI • UNICODE Day 3 :13 Aug Chapter 2 :Encoding Schemes and Number System	Day 1 :18 Aug Chapter 2 :Encoding Schemes and Number System • Application of Hexadecimal no. System Day 2 :19 Aug Chapter 2 :Encoding Schemes and Number System • Conversion between number System Day 3 :20 Aug Chapter 2 :Encoding Schemes and Number System • Conversion between number System Day 4 :21 Aug Chapter 2 :Encoding Schemes and Number System • Conversion between number System	Day 1 :25 Aug Completing the Qnos for chapter 2 Day 2 :26 Aug Completing the Qnos for chapter 3 Day 3 :27 Aug Chapter 4 :Introduction to Problem Solving • Introduction • Steps for problem Solving Day 4 :28 Aug • Algorithms • Representation of Algo

		Exam Discussion	<ul style="list-style-type: none"> Decimal Number System <p>Day 4 :14 Aug Chapter 2 :Encoding Schemes and Num System</p> <ul style="list-style-type: none"> Binary Number System Octal Number System 	<p>Day 3 :14 Aug Chapter 2 :Encoding Schemes and Number System</p> <ul style="list-style-type: none"> Conversion between number System 	<ul style="list-style-type: none"> Flow of Control Verifying Algo
H.W.	Complete the Questions	Complete the Questions Prepare for the Test	Revise the Chapter Complete the questions	Revise the Chapter	Complete the questions Revise the Chapter
ENGLISH	<p>chapter -2 (we are not afraid to die... if we can all be together(hornbill))</p> <p>Day 1: Introduction to the author and background of the story. Reading of paragraphs 1 to 5.</p>	<p>all be together(hornbill)</p> <p>Day 1: Reading and explanation of paragraphs 6 to 15. Discussion on the challenges faced during the journey.</p> <p>Day 2: Reading and explanation of paragraphs 16 to 25. Discussion on survival instincts and team spirit.</p> <p>Day 3: Reading the remaining part of the chapter. Discussion on the climax and resolution of the story.</p> <p>Day 4: Recap of the entire chapter. Literary devices used and Q/A session.</p> <p>Day5: query session</p>	<p>Day 1: class test of chapter 2 (we are not afraid to die... if we can all be together)</p> <p>Chapter 3: Mother's Day(snapshot)</p> <p>Day 2 Introduction to the playwright J.B. Priestley and the sociocultural context. Begin reading the play (Opening scene).</p> <p>Day 3 Reading and explanation of paragraphs 6 to 15. Discussion on the challenges faced during the journey.</p> <p>Day 4 Reading and explanation of paragraphs 16 to 25. Discussion on survival instincts and team spirit.</p>	<p>Chapter 3 Mother's Day(snapshot)</p> <p>Day 1 Reading the remaining part of the chapter. Discussion on the climax and resolution of the story.</p> <p>Day 2 Recap of the entire chapter. Literary devices used and Q/A session.</p> <p>Day 3 Discussed the summary of the chapter</p> <p>Day 4 class test</p> <p>Day 5 query session</p>	<p>Day 1 Introduction of note making (writing skills)</p> <p>Day 2 Note making practice worksheet was discussed</p> <p>Day 3 Note making practice worksheet was discussed</p> <p>Day 4 class test on note making</p> <p>Day 5 Query session</p>
H.W.	-Read all about the writer of the chapter.	-Read page number 1 to 4 -Read page number 5 to 1 -Prepare the chapter for class test	-Read page number 1 to 5 -Read page number 6 to 11 -Prepare the chapter for class test	-Read the chapter and about the writer	Practice the note making worksheet
MATHS	<p>Day-1 Chapter-3 (Trigonometric functions) plotting of trigonometric functions, sign of trigonometric functions</p>	<p>Day-1 Chapter-3 (Trigonometric functions) Domain and range of trigonometric functions and related examples</p> <p>Day-2 Chapter-3 (Trigonometric functions) Exercise 3.2 problems</p> <p>Day-3 Chapter-3 (Trigonometric functions) Trigonometric Functions of Sum and Difference of Two Angles and plotting</p> <p>Day-4 various identities and their proof</p> <p>Day-5 various identities and their proof con.....</p>	<p>Day-1 Discussion of various solved problems</p> <p>Day-2 3 (Trigonometric functions) Exercise 3.3 problems 1 to 8</p> <p>Day-3 3 (Trigonometric functions) Exercise 3.3 problems 9 to 16</p> <p>Day 4 (Trigonometric functions) Exercise problems</p>	<p>Day-1 (Trigonometric functions) Exercise 3.3 problems 17 to 25.</p> <p>Day-2 Reflection through written test and presentation</p> <p>Pre-Reading material related to quadratic equations and number part in other directions also</p> <p>Day-3 Chapter-4 (Complex number) Algebra of complex number addition, subtraction</p> <p>Day-4 Chapter-4 (Complex number) Algebra of complex number multiplication and division</p> <p>Day-5 concept of power of i, square root of a negative real number, identities</p>	<p>Day-1 concept of The Modulus and the Conjugate of a Complex Number and related problems</p> <p>Day-2 (Complex number) Exercise 4.1 problems 1 to 7</p> <p>Day-3 (Complex number) Exercise 4.1 problems 8 to 14</p> <p>Day-4 Concept of Argand Plane and Polar Representation</p> <p>Day-5 Reflection through written test and presentation</p>
H.W.	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT

	Independence Day Preparation	Independence Day Preparation	Independence Day Preparation	Introduction to Oil Painting Basic application and understanding values Through Traditional Indian Art Form - PICHWAI	Introduction to Oil Painting Basic application and understanding values Through Traditional Indian Art Form - PICHWAI continued
Phy Ed.	Day 1 -Chapter -5 (Physical Fitness, Health, & Wellness)- Meaning & importance of Physical Fitness, wellness, & health	Day 1 - Components of Physical Fitness, wellness Day 2 - Indoor Sports (Table Tennis) Day 3 - Components / Dimensions of Health Day 4 - Outdoor Sports (Cricket) Day 5 - Traditional Sports & Regional Games for promoting Wellness	Day 1 - Leadership through Physical Activity Day 2 - Indoor Sports (Chess) Day 3 - Introduction to First Aid Day 4 - Outdoor Sports (Football)	Day 1 - Chapter end exercise Day 2 - Spiral book Day 3 - Indoor Sports (Table Tennis) Day 4 - Outdoor Sports (Basketball) Day 5 - Chapter - 6 (Test, Measurement & Evaluation) Define Test, Measurement & Evaluation and their importance)	Day 1 - Calculation of BMI, Waist-hip ratio, Skin fold measurement Day 2 - Indoor Sports (Chess & Carrom) Day 3 - Somatotypes or Body Types Day 4 - Outdoor Sports (Football / Cricket) Day 5 - Measurement of Health-Related Fitness
H.W.	Revise the topic done in the class	Revise the topic done in the class	Revise the topic done in the class	Revise the topic done in the class	Revise the topic done in the class
Psychology	Day 1: 1 Aug Chapter 2: Methods of Enquiry in psychology • Observation Method • Experimental Method • Correlational Research	Day 1: 4 Aug Chapter 2: Methods of Enquiry in psychology • Survey Research • Psychological Testing • Analysis of data Day 2: 5 Aug Completing the Questions Day 3: 6 Aug Revision for chapter 1 and 2 Day 4: 7 Aug Revision for chapter 1 and 2 Day 5: 8 Aug Exam	Day 1: 11 Aug Chapter 3: Human Development • Meaning of Development • Factors Influencing Development Day 2: 12 Aug Chapter 3: Human Development • Context of Development • Overview of Developmental Stages Day 3: 13 Aug Chapter 3: Human Development • Infancy • childhood Day 4: 14 Aug Chapter 3: Human Development • Gender and Sex roles Day 5: 15 Aug Celebration	Day 1 18 Aug Chapter 3: Human Development • Challenges of Adolescence Day 2 19 Aug Chapter 3: Human Development • Adulthood and Old Age Day 3 20 Aug Chapter 3: Human Development Complete the questions Day 4 21 Aug Chapter 3: Human Development Complete the questions Day 5 22 Aug Chapter 4: Sensory, Attentional and Perceptual processes • Knowing the World • Nature and Varieties of Stimulus	Day 1 25 Aug Chapter 4: Sensory, Attentional and Perceptual processes • Sense Modalities • Attention Processes Day 2 26 Aug Chapter 4: Sensory, Attentional and Perceptual processes • Perceptual Processes Day 3 27 Aug Chapter 4: Sensory, Attentional and Perceptual processes • The perceiver • Principles of Perceptual Organisation Day 4 28 Aug Chapter 4: Sensory, Attentional and Perceptual processes • Perception of space, Depth and Distance Day 5 29 Aug Chapter 4: Sensory, Attentional and Perceptual processes • Perceptual Constancies
H.W.	Revise the topics	Revise the topics and prepare for the Tsst	Revise the topics	Revise the topics Complete the questions	Revise the topics
PHYSICS	Day-1 Chapter-3 Motion in a plane Uniform circular motion Derive the expression for centripetal acceleration.	Day-1 problems related to uniform circular motion Day-2 Expression of various relations of motion in a plane Day-3 NCERT Exercise problems 1 to 11 Day-4 NCERT Exercise problems 12 to 22. Day-5 Reflection: Chapter-3 written test and presentation	Pre-Reading Material - Basic understanding of various laws studied in class 9. Day-1 Explanation of law of Inertia, various laws of motion with basic problems. Day-2 Concept of Impulse, conservation of momentum with basic problems Day-3 Concept of Equilibrium of particle with basic NCERT problems Day-4 problems related to Equilibrium	Day-1 Concept of Friction (static friction and kinetic friction) with problems Day-2 concept of rolling friction with examples Day-3 Derive the expression for maximum speed in case of flat road and banked road Day-4 problems related to mechanics Day-5 NCERT Exercise problems 1 to 11 <i>Kishore Singh</i>	Day-1 NCERT Exercise problems 12 to 23. Day-2 Reflection: Chapter-3 written test and presentation Day-3 Explanation of words work, Energy and power, concept of projection of one vector on another Day-4. Derivation of work energy theorem with problems.