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

Subject	Week – 1 (4 days)	Week – 2 (5 days)	Week – 3 (5 days)	Week – 4 (5 days)	Week – 5 (4 days)
BIOLOGY	**Ch – 3 Plant Kingdom** **Day 1** Introduction to **Plant Kingdom** **Day 2** Algae **Day 3** Bryophytes **Day 4** Gymnosperms and Angiosperms	**Day 1** Summary & Recap NCERT Exercise & PYQs Practice **Ch – 4 Animal Kingdom** **Day 2** Introduction **to Animal Kingdom** **Day 3** Basis of Classifications **Day 4** Phyla: Porifera to Annelida **Day 5** Arthropoda, Mollusca, Echinodermata Protochordata	**Day 1** Vertebrates: Pisces to Mammalia Summary & Recap NCERT Back Question **Ch – 5 Morphology of Flowering Plants** **Day 2** Introduction ; The root The stem **Day 3** Leaf – Types, Phyllotaxy, Venation Leaf Modifications **Day 4** Inflorescence: Racemose & Cymose Flower – Parts, Symmetry, Aestivation **Day 5** Types of fruit ; Structure of the seed.	**Day 1** Floral Diagram; Revision & NCERT Exercise **Chapter 6: Anatomy of Flowering Plants** **Day 2** Tissues in Plants: Meristematic & Permanent Simple (Parenchyma, Collenchyma, Sclerenchyma) Complex (Xylem & Phloem**)** **Day 3** Anatomy of Dicot & Monocot Root Anatomy of Dicot & Monocot Stem **Day** 4 Anatomy of Leaf (Dicot & Monocot) Secondary Growth in Dicots **Day** 5 Summary & NCERT Back Questions Practice Diagrams	**Ch-7 Structural Organisation In Ani** **Day 1** Introduction; Organ and organ sy **Day 2** Frog: Morphology & Anatomy **Day 3 Summary** & NCERT Back Questions Practice Diagrams **Day 4** Revision Test **Day 5** Completion of work; Notebook Checking.
H.W.	Drawing mind map of classification	Drawing mind map of classification	Practise questions on floral formula	Draw Diagrams	Draw Diagrams.
Chemistry	**Day 1** **Chem.part I Ch-3** **Classification of Elements and Periodicity in Properties** Introduction of the chapter with pre – reading material **Day 2** Need of classification of elements **Day 3** Genesis of periodic classification. **Day 4** Law of Triads by Johann Dobereiner.	**Day 1** Law of Octaves by Newland. **Day 2** Mendeleev's periodic table. **Day 3** similarities and differences in terms of chemical behaviour and properties. **Day 4** periodic table trends, Atomic Radius and ionic radius, Ionization, electron gain enthalpy, Electronegativity **Day 5** Nomenclature of element with atomic number above 100	**Day 1** Electronic configuration of the element **Day 2** s-block element,p-block element **Day 3** Metals, non-metals and metalloids **Day 4** Periodic trends in chemical properties **Day 5** Anomalous properties of second period elements, diagonal relationship	**Day 1** Reflection, group presentation **Day 2** **Chem. Part II Ch-2** **Some basic principles and techniques** Introduction of the chapter with pre-reading material **Day 3** Tetra valance of carbon **Day 4** Some characteristic features of pi- bonds **Day 5** Structural representations of organic compounds, 3D Representation of organic molecules, Classification of Organic compounds	**Day 1** Functional groups, homogeneous series, Common names of some organic compounds **Day 2** The IUPAC nomenclature system **Continued…….** **Day 3** The IUPAC nomenclature system **Continued…….** **Day 4** The IUPAC nomenclature system
H.W.	Go through provided pre-reading material	Read the chapter	Read the chapter	Go through the provided pre-reading material	Read the chapter

PAINTING	**Day 1** Prehistoric Rock Painting. An Introduction to Indian Art -part 1 **Day 2** Prehistoric Rock Painting. An Introduction to Indian Art -part 1 - overview	**Day 1** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- time period **Day 2** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- upper Palaeolithic to Mesolithic Period **Day 3** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- upper Palaeolithic to Mesolithic Period **Day 4** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- upper Palaeolithic to Mesolithic Period- Bhimbetka Caves inMadhya Pradesh	**Day 1** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- upper Palaeolithic to Mesolithic Period- Features **Day 2** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- upper Palaeolithic to Mesolithic Period- Depiction of daily life symbols **Day 3** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- upper Palaeolithic to Mesolithic Period- Depiction of daily life symbols	**Day 1** Prehistoric Rock Painting. An Introduction to Indian Art -part 1-upper Palaeolithic to Mesolithic Period[revision] **Day 2** Prehistoric Rock Painting. An Introduction to Indian Art -part 1-upper Palaeolithic to Mesolithic Period[revision] **Day 3** Prehistoric Rock Painting. An Introduction to Indian Art -part 1-upper Palaeolithic to Mesolithic Period[revision] **Day 4** Prehistoric Rock Painting. An Introduction to Indian Art -part 1-upper Palaeolithic to Mesolithic Period [revision] **Day 5** Prehistoric Rock Painting. An Introduction to Indian Art -part 1-upper Palaeolithic to Mesolithic Period [revision]	**Day 1:** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- Purpose **Day 2** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- Famous sites **Day 3** Prehistoric Rock Painting. An Introduction to Indian Art -part 1- QUESTION and ANSWERS
SUBJECT	**WEEK-1 (4 Days)**	**WEEK-2 (5 Days)**	**WEEK-3 (5 Days)**	**WEEK-4 (5 Days)**	**WEEK-5 (4 Days)**
PHYSICS	**Day-1 Chapter-1 Units and Measurement** Revision **Day-2** Reflection: Chapter-1 written test and presentation **Pre-Reading Material –** Basic understanding of displacement, velocity, acceleration and equation of motion **Day-3** Explanation of chapter -2 Motion in a straight line with definitions along with mathematics of differentiation and integration concept and its application **Day-4** Explanation with plotting of various graphs like x-t (for various cases), v-t graph (for various cases), concept of Area under curve for v-t and a-t graph.	**Day-1** Derivations of equations of motion by Analytical and Graphical method **Day-2** Derivations of equations of motion by calculus method, concept of motion under free fall **Day-3** Solved examples from ncert along with Execise problems **Day-4** MCQ and Assertion based questions from spiral **Day-5 NCERT** Exercise problems	**Day-1** Reflection: Chapter-2 written test and presentation **Pre-Reading Material –** Basic understanding of 2-Dimension and 3-Dimension, scalars and vectors. **Day-2** Explanation of chapter-2 Motion in a plane by considering representation of vector, its unit vector, modulus and its components. **Day-3** Explanation of Dot product with examples related to real life situation, addition of vectors, multiplication of vectors, properties of vectors **Day-4 NCERT** problems related to vectors, law of parallelogram with application **Day-5** Cross product of vectors along with application, projectile motion explanation	**Day-1** Explanation of circular motion with derivation and application **Day-2** Solved examples from ncert along with Execise problems **Day-3** MCQ and Assertion based questions from spiral **Day-4 NCERT** Exercise problems **Day-5** Reflection: Chapter-2 written test and presentation	**Pre-Reading Material –** Basic understanding of Linear and circular motion, laws of motion **Day-1** Explanation of various laws of motion with mathematical expression and application **Day-2** Explanation of concept of equilibrium, friction and FBD with application. **Day-3** Concept of momentum, impulse and problems related to it. **Day-4** Derivations for maximum speed in case of circular motion on a flat and banked road.
H.W.	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT
SUBJECT	**WEEK-1 (4 Days)**	**WEEK-2 (5 Days)**	**WEEK-3 (5 Days)**	**WEEK-4 (5 Days)**	**WEEK-5 (4 Days)**
MATHS	**Day-1 Chapter-1 Sets con……**complement of a set, properties of complement of set, problems based upon Exercise 1.5. **Day-2** Miscellaneous Exercise of chapter-1 **Day-3** MCQ based questions from spiral **Day-4** Reflection: Chapter-1 written test and presentation	**Pre-Reading Material –** Basic understanding of functions and sets. **Day-1** Explanation of chapter-2 Relation and functions by taking topics Cartesian product of sets along with NCERT problems **Day-2** Problems discussion of exercise 2.1 **Day-3** Explanation of Relations along with problems **Day-4** Discussion of problems from exercise 2.2 **Day-5** Explanation of functions along with problems	**Day-1** Explanation of various types of functions and their graphs **Day-2** Algebra of functions along with related problems **Day-3** Discussion of problems from exercise 2.3 **Day-4** Miscellaneous Exercise of chapter-2 **Day-5** MCQ based questions from spiral	**Day-1** Reflection: Chapter-2 written test and presentation **Pre-Reading Material –** Basic understanding of angles and their trigonometric values **Day-2** Explanation of trigonometric functions by taking angles, degree, radian measure and relations among them **Day-3** Explanation of notational convention with problems **Day-4** Problems discussion of exercise 3.1 **Day-5** Domain and range of trigonometric functions with plotting and problems.	**Day-1** Discussion of problems from exercise 3.2 **Day-2** Explanation of trigonometric functions of sum and difference of two angles with trigonometric identities. **Day-3** Concept of trigonometric identities along with solved problems **Day-4** Problems related to trigonometric identities
H.W.	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT	Selected Problems from NCERT

P.E.	**Day 1 -** Chapter -3 (Yoga) Discussion of pre reading material(video format) Meaning and importance of yoga **Day 2 –** Introduction to Ashtanga yoga **Day 3 –** Outdoor Sports (Football) **Day4 –** Yogic Kriyas	**Day 1 –** Indoor Sports (Table Tennis) **Day 2 –** Pranayama and its types **Day 3 –** Indoor sports (Chess & Carrom) **Day 4 –** Active Lifestyle and Stress management through yoga **Day 5** – Chapter end exercise	**Day 1 Spiral book** **Day 2 –** Outdoor Sports (Cricket) **Day 3 –** Indoor Sports (Chess) **Day 4 –** Chapter -4 (Physical Education & Sports for Children with Special Needs) Concept of Disability **Day 5 –** Concept of Disorder	**Day 1 –** Outdoor Sports (Basketball) **Day 2-** Types of Disability, Its causes & nature **Day 3 –** Aims & Objective of Adaptive Physical Education **Day 4 –** Indoor Sports (T.T) **Day 5 –** Role of various professionals for Children with special needs	**Day 1 -** Chapter end exercise **Day 2 –Spiral book** **Day 3 – Outdoor Sports (basketball)** **Day 4 – Indoor Sports (chess)**
H.W.	Revise the topic done in the class	Revise the topic done in the class	Practice Yoga Asanas	Revise the topic done in the class	Revise the topic done in the class