



KALKA PUBLIC SCHOOL

BPTP (PARKLANDS), SECTOR-76, FARIDABAD, HARYANA

Contact : 0129-4096099, 9643443345 | www.kpsbptp.com

KALKA PUBLIC SCHOOL

Mid Term Syllabus

Class :XI (SCIENCE)

(Session 2025-26)

Subject	Syllabus (With Unit Numbers, Chapter No. and Name)	Project/ Portfolio/ Practical/ ASL
ENGLISH	<p>Section A (Reading) Comprehension Passage , Note Making Section B (Writing) Notice Writing , Letter to Editor Section C (Literature) Hornbill: The Portrait of a Lady (Prose) A Photograph (Poem) "We're Not Afraid to Die... if We Can Be Together The Laburnum Top (Poem) The Voice of the Rain (Poem) Father to son (poem)</p> <p>2. Snapshots: The Summer of the Beautiful White Horse (Prose) The Address (Prose) Birth (prose) Mother's Day (play)</p>	ASL

PHYSICS	Chapter 1: units and measurements Chapter 2: Motion in 1D. Chapter 3: Motion in 2D. Chapter 4: Newton's laws of Motion. Chapter 5: work power and Energy. Chapter 6: Gravitation.	Experiments 1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume. 2. To measure diameter of a given wire and thickness of a given sheet using screw gauge. 3. To determine volume of an irregular lamina using screw gauge. Activities 1. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm. 2. To determine mass of a given body using a metre scale by principle of moments.
CHEMISTRY	Ch-1: some basic concepts of chemistry Ch-2: structure of atom Ch-3: Classification of elements and periodicity in properties Ch-8: General organic chemistry (till topic : Isomerism)	Experiments- 1. Crystallisation of impure sample of copper sulphate and benzoic acid. 2. Comparing the pH of solutions of strong and weak acids of same concentration. 3. Study the pH change in the titration of a strong base using universal indicator.
BIOLOGY	Chapter 1: The Living World Chapter 4: Animal Kingdom Chapter 5: Morphology of Flowering Plants Chapter 8: Cell: The Unit of Life Chapter 10: Cell Cycle and Cell Division.	Project work & Practical file.
MATHEMATICS	<u>Unit-I: Sets and Functions</u> Chapter -1 Sets Chapter -2 Relations and functions	Practical file work

	<p>Chapter -3 Trigonometric functions <u>Unit -II : Algebra</u></p> <p>Chapter - 4 Comolex numbers and quadratic equations</p> <p>Chapter - 5 <u>Linear</u> equations Chapter - 6 Permutations and Combinations Chapter -7 Binmonial theorem Chapter - 8 Sequence and series</p>	
PHYSICAL EDUCATION	<p>UNIT 1 Changing Trends & Career in Physical Education UNIT 2 Olympic Value Education 05 UNIT 3 Yoga UNIT 4 Physical Education & Sports for CWSN UNIT 5 Physical Fitness, Wellness</p>	<p>Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)*</p>
COMPUTER SCIENCE	<p>Part A Unit 1- Communication Skill III Unit 2- Stress Managemeng skill III Unit 3- ICT Skills III Part B Unit 1- Introduction to AI Unit 2- Unlocking the future of AI Unit 3- Introduction to python</p>	<p>Python Programs</p>