GURGAON WORLD SCHOOL PAHARI (PATAUDI)
CLASS XI (MATHEMATICS)
YEARLY PLANNER (2024-25)

Sr. No	Month	Name of the Chapter	Activity	SMART CLASS ACTIVITY
01	April	1. Set Theory 2. Relation and Function 3. Trigonometric Function	1. To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n. 2. To verify that for two sets A and B, $n(A \times B) = pq$ and the total number of relations from A to B is $2pq$, where $n(A) = p$ and $n(B) = q$. 3. To identify a relation and a function.	--------------------
02	May	1. Complex Number and Quadratic equations 2. Linear Equalities 3. Permuatations	1. To verify the relation between the degree measure and the radian measure of an angle. 2. To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant.	To show all the algebraic identities and their formation.
03	July	1. Combination 2. Binomial Theorem 3. Sequences and Series Probably	1. To find the number of ways in which three cards can be selected from given five cards. 2. To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent.	To show the relation between the area of triangle and parallelogram lie on same base and between same parallel lines.
04	August	1. Straight Lines 2. Conic Section 3. Introduction to 3 Dimensional Geometry	To verify that the equation of a line passing through the point of intersection of two lines $a1\ x + b1\ y + c1 = 0$ and $a2\ x + b2\ y + c2 = 0$ is of the form $(a1\ x + b1\ y + c1) + \lambda (a2\ x + b2\ y + c2) = 0$.	To study the types of all lines and angles. To show the formation of a circle.
05	September		Revision For Term 01 Summative Assessment 01	
06	October	1. Limits and Derivative 2. Statistics 3. Probability	1. To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.	To understand mean, median and mode concept by a practical example of a company.
07	November	Revision	Assignments	Class Test
08	December	Revision	Assignments	Class Test
09	January		Annual Examination	

CLASS XI YEARLY PLANNER

SUBJECT - PHYSICS (2024-2025)

7	OCTOBER	Chapter–9: Mechanical Properties of Solids Chapter–10: Mechanical Properties of Fluids Chapter–11: Thermal Properties of Matter	1. To find the weight of a given body using parallelogram law of vectors. 2. To study the conservation of energy of a ball rolling down on an inclined plane (using a double inclined plane).	1. Explain about Keplers law of planetory motion. 2. To show young modulus of elasticity in a wire
8	NOVEMBER	Chapter–12: Thermodynamics Chapter–13: Kinetic Theory Of gases	1. Using a simple pendulum, plot its L-T^2 graph and use it to find the effective length of second's pendulum.. 2. To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.	1. To study about surface tension and Capallirty 2. Explain about Newtons Law of Colling.
9.	DECEMBER	Chapter–14: Oscillations Chapter–15: Waves	1. To find the force constant of a helical spring by plotting a graph between load and extension. 2. To study the factors affecting the rate of loss of heat of a liquid.	1. To study About oscillation in simple pendulum. 2. To show the nature of different waves.
10.	JANUARY	Revision	Assignments Class test	Assignments Class test

CLASS XI YEARLY PLANNER

SUBJECT - PHYSICS (2024-2025)

S.no	MONTH	CHAPTER	LAB ACTIVITY	SMART CLASS ACTIVITY
1	APRIL	Chapter-1 Physical World and Measurement ✓ Chapter–2: Units and Measurements ✓ Chapter–3: Motion in a Straight Line ✓	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 make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.	1. Study about kinematics equations of motion.
2	MAY	Chapter–4: Motion in a Plane ✓ Chapter–5: Laws of Motion ✓	1. To measure diameter of a given wire and thickness of a given sheet using screw gauge. 2. To plot a graph for a given set of data, with proper choice of scales and error bars.	1.To show horizontal projection of any object 2. Angular projection at different angles.
3	JULY	Chapter–6: Work, Energy and Power ✓ Chapter–7: System of Particles and Rotational Motion ✓	1. To determine radius of curvature of a given spherical surface by a spherometer. 2. To measure the force of limiting friction for rolling of a roller on a horizontal plane.	1. Explain about collision in one and two dimension
5	AUGUST	Chapter–8: Gravitation	1. To determine the mass of two different objects using a beam balance. 2. To study the variation in range of a projectile with angle of projection.	1. To show the concept of rotational motion 2. Concept of moment of inertia.
6	SEPTEMBER	Revision for term -1 Summative assessment- 1	Assignment Class test.	Assignment Class test.

CLASS XI YEARLY PLANNER

SUBJECT – BIOLOGY (2024-2025)

S.no	MONTH	CHAPTER	LAB ACTIVITY	SMART CLASS ACTIVITY
1	APRIL	**Unit-I Diversity of Living Organisms** Ch-1: The Living World Ch-2: Biological Classification Ch-3: Plant Kingdom	1.To study about the Parts of a compound microscope 2.Specimens/slides/models and identification with reasons - Bacteria, *Oscillatoria*, *Spirogyra*, *Rhizopus*, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen	1. Displaying chapter contents through slides.
2	MAY	Ch-4: Animal Kingdom **Unit-II Structural Organization in Animals and Plant** Ch-5: Morphology of Flowering Plants Ch-6: Anatomy of Flowering Plants	3. Virtual specimens & identifying features of - *Amoeba*, *Hydra*, liver fluke, *Ascaris*, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit. 4. Different types of inflorescence (cymose and racemose).	1.Study and describe locally available common flowering plants, from family Solanaceae. 2. Showing anatomy of dicot and monot plants.
3	JULY	Ch-7: Structural Organisation in Animals **Unit-III Cell: Structure and Function** Ch-8: Cell-The Unit of Life	5. To study about the Morphology of Frog through virtual specimen. 6. Study of osmosis by potato osmometer. 7. Study of plasmolysis in epidermal peels (e.g. Rhoeo /lily leaves or flashy scale leaves of onion bulb).	1. Showing different systems of frog through videos and images. 2.Process of how cell organelles works through animations
4.	AUGUST	Ch-9: Biomolecules Ch-10: Cell Cycle and Cell Division	8. Test for presence of urea in urine. 9. Test for presence of sugar in urine. 10. Mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.	1.Showing the chapter content through slides. 2. To show the process of cell division through animations.

CLASS XI YEARLY PLANNER

SUBJECT – BIOLOGY (2024-2025)

			Assignment	Assignment
5	SEPTEMBER	Revision for term -1 Summative assessment 1	Assignment Class test	Class test
6	OCTOBER	**Unit-IV Plant Physiology** Ch-13: Photosynthesis in Higher Plants Ch-14: Respiration in Plants Ch-15: Plant -Growth and Development	11. Study of distribution of stomata on the upper and lower surfaces of leaves. 12. Comparative study of the rates of transpiration in the upper and lower surfaces of leaves. 13.Separation of plant pigments through paper chromatography	1. To show the Process of photosynthesis in plants. 2. Discovery of plant growth regulators.
7	NOVEMBER	**Unit-V Human Physiology** Ch-17: Breathing and Exchange of Gases Ch-18: Body Fluids and Circulation Ch-19: Excretory Products and their Elimination	14. To study the human respiratory sytem through chart. 15. To show the slides of different types of cells found in the blood.	1. To show the process of respirations in human beings. 2. Process of blood circulation in human beings. 3. How urine formation take place in humans?
8	DECEMBER	Ch-20: Locomotion and Movement Ch-21: Neural Control and Coordination Ch-22: Chemical Coordination and Integration	16. Human Skeleton & different types of joint with the help of virtual images .	1. To show the process of muscle contraction. 2.Transmission of nerve impulse 3.Mechanism of Hormone action
9.	JANUARY	Revision Summative assessment 2	Assignment Class test	Assignment Class test

CLASS XI YEARLY PLANNER

SUBJECT - CHEMISTRY (2024-2025)

MONTH	CHAPTER	LAB ACTIVITY	SMART CLASS ACTIVITY
APRIL	1. Ch - 1 Some basic concepts of chemistry 2. Ch - 2 Structure of atom	1.To prepare standard solution of Oxalic acid 2. To find the molarity and strength and given Solution of sodium hydroxide by titrating it against M/20 solution of Oxalic acid .	1.To show the scope of chemistry 2.To show ppt on mole concept
MAY	Ch -3 General classification of elements and periodicity in properties Ch-4 Chemical bonding and Molecular structure	1.To prepare the pure crystal of blue vetriol 2.To prepare the pure crystal of potash alum.	1. To show discovery of electrons, protons and neutrons 2.To show Rutherford atomic model 3. To show quantum mechanical model
		1.To detect the presence of functional groups 2. Detection of unsaturation in the given compounds 3. Detection of alcohol and phenol detection of aldehydes, ketones and carboxylic acid.	1. To show the needs of classification of elements . 2.To show modern periodic table

JULY	Ch - 5 Thermodynamics ✗	1.To detect basic and acidic radicals	1. To show the phenomenon of isomerism. 2. To show working of valance bond theory.
AUGUST	Ch -6 Equilibrium Revision for term - 1	1.To find group 1 to 6 basic radical	1.To show the preparation of Ethane gas 2. To show the preparation of Ethene.
SEPTEMBER	Revision for term -1 Summative assessment 1	1.To find acidic radicals	1. To show PPT on functional groups
OCTOBER	Ch -7 Redox reaction Ch - 8 General Organic chemistry	To find one cation and one anion in given organic compound	To show electron displacement effect
NOVEMBER	Ch-9 Hydrocarbons		
DECEMBER	Revision	Assignment Class test	Assignment Class test
JANUARY	Revision Summative assessment 2	Assignment Class test	Assignment Class test

Class:11TH
Subject: Physical Education
Syllabus

2024-25

Month	Name of Books	Content	Subject Activity	Smart Activity
April		1. Changing Trends And Careers In Physical Education	Define all types of technology advancement	Sports Equipments
		2. Olympism Value Education	Make a chart about Ancient and Modern Olympic	
May		3. Yoga	Yogasana and Pranayama	Asanas and Pranayama Surya Namaskar
		4. Physical Education And Sports For CWSN	Draw a list sportsperson with their tournaments and medals	
July		5. Physical Fitness, Wellness And. Lifestyle	Make a chart about First Aid - PRICE	
		6. Test ,Measurement And Evaluation	Calculation of BMI	Physical fitness test
August		7. Fundamentals Of Anatomy , Physiology In. Sports	Ready chart about Circulatory system and Heart	Respiratory system and Heart System
		8. Fundamentals Of Kinesiology And Biomechanics In Sports	Types of Body Movements	

September		9. Psychology And Sports	Different Stages of Development	Aerobic and anaerobic exercises
		10. Training And Doping In. Sports	Warming up and limbering down Exercises	

October		Revision Practical work	Written , practical and oral practice	
November		Revision	Written , practical and oral practice	
December		Revision	Written practical and oral practice	
January		Revision	Written , practical and oral practice	
February		Revision		

GURGAON WORLD SCHOOL, PATAUDI

CLASS 11th

ANNUAL PLANNER

MONTH	SYLLABUS	CLASS ACTIVITIES	SMART CLASS ACTIVITY
APRIL	HORNBILL:-THE PORTRAIT OF A LADY POEM:- A PHOTOGRAPH SNAPSHOTS:-THE SUMMER OF BEAUTIFUL WHITE HORSE WRITING:- ADVERTISEMENT AND POSTER	CLASSIFIED ADVERTISMENT	INTODUCTION OF EMOZIES
MAY	HORNBILL:-WE ARE NOT AFRAID TO DIE... POEM:-THE LABRANUM TOP SNAPSHOTS:-THE ADDRESS WRITING:- SPEECH GRAMMAR:- SENTENCE TRANSFORMATION	GROUP/CLASS DISCUSSION	USING QR CODE
JULY	HORNBILL:-DISCOVERING TUT POEM:-THE VOICE OF RAIN SNAPSHOTS:- MOTHER'S DAY WRITING:- DEBATE GRAMMAR:- TENSES	EXPERINTIAL LEARNING	INTENSIVE LISTENING: INDIAN CRICKET LEGEND-SUNIL GAVASKER
AUGUST	HORNBILL:-THE ADVENTURE POEM:-CHILDHOOD SNAPSHOTS:-BIRTH GRAMMAR:- DETERMINERS WRITING:- NOTE MAKING	ROLE PLAY	ARUGUMENT LISTENING(AV)
SEPTEMBER	FIRST TERM EXAM, REVISION	DRAFTING POSTER	GOOGLE SEARCH
OCTOBER	HORNBILL:-SILK ROAD POEM:- FATHER TO SON SNAPSHOTS:- THE TALE OF MELON CITY GRAMMAR:- REPORTED SPEECH	QUIZ	GOOGLE SEARCH

MONTH	TOPIC	ACTIVITY	PROJECT
NOVEMBER	REVISION AND WRITING SECTION	DEBATE	PPT AND E-NEWSPAPER
DECEMBER	CLAUSES, INTEGRATED GRAMMAR AND VOCABULARY PRACTICE	QUIZ	EMAILS
JANUARY	REVISION	CONVERSATION	BLOGS
FEBRUARY	REVISION	SPEECH ON CURRENT TOPICS	BLOGS