# GURGAON WORLD SCHOOL, PAHARI, PATAUDI CLASS-XII BIOLOGY

#### YEARLY PLANNER(2024-2025)

S.NO	MONTH	NAME OF THE CHAPTER	ACTIVITY	SMART CLASS ACTIVITY
1.	APRIL	Unit-I Reproduction  1.Sexual Reproduction in flowering plants.  2.Human Reproduction 3.Reproductive health	pollen germination.	1.Process of pollination in plants. 2.Pollen-pistil interaction 3.Process of Cleavage towards Uterus. 4.showing various IUDs
2.	MAY	Unit-II Genetics & Evolution  3. Principles of inheritance & variation  4. Molecular Basis of inheritance 5. Evolution	6.Mendelian inheritance using seeds of different colour.  7. Isolate DNA from available plant material such as spinach, green peaseeds, papaya, etc. 8.Flash cards showing analogous and homologus organs.	
3.	JULY	Unit-III Biology and Human Welfare  1. Human Health and Disease  2. Microbes in Human Welfare	9. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium through permanent slides. Comment on symptoms disease that they cause.	1.Life cycle of Plasmodium     2.Process of Replication of Retrovirus     3.Biogas plant

		Unit-IV Biotechnology and its Applications		
		3.Biotechnology:Principles & Processes		
		4Biotechnology & its applications		
4.	AUGUST	Unit-V Ecology and Environment  1.Organism & Population  2.Ecosystem	10.Study the plant population densityby quadrat method.  11.Study the plant populationfrequency by quadrat method	1.Process of r-DNA technology 2.process of Gel electrophoresis 3.PCR TECHNIQUE
	, c	3.Biodiversity & its conservation		
5.	SEPTEMBER	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
6.	OCTOBER	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
7.	NOVEMBER	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
8.	DECEMBER	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
9.	JANUARY	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
10.	FEBRUARY	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
11.	MARCH	Annual Exam		<del>-</del>

# **CLASS XII YEARLY PLANNER**

# SUBJECT - CHEMISTRY (2024-2025)

MONTH	CHAPTER	LAB ACTIVITY	SMART CLASS ACTIVITY
APRIL	1. Ch - 1 Solution		1.To show the formation of different types of solution .
	2. Ch - 2 Electrochemistry	2. To find the molarity and strength and given solution of potassium permaganate by titrating it against M/20 solution of Oxalic acid	2.To show the phenomenon of osmosis.
	3. Ch - 3 Chemical kinetics	3.To find the no. of water molecules in given solution Mohr 's salt by titrating it against potassium permaganate solution	
	Ch-5 . Coordination	1.To prepare the pure crystal of blue	To show working of cells
MAY	Ch-4 d and f block elements	2.To prepare the pure crystal of potash alum.	2.To show the mechanism of rusting of iron
	Ch- 10.Biomolecules	potasii aidiii.	3. To show the process of galvanisation.
9		1.To detect the presence of functional groups	To show pseudo chemica process.

		2. Detection of unsaturation in the	
	and the second s	given compounds	2. To show collision theory
		<ol> <li>Detection of alcohol and phenol detection of aldehydes, ketones and carboxylic acid.</li> </ol>	3.To show effect of catalyst on rate of reactions
	Ch-6Haloalkanes and Haloarenes	1.To detect basic and acidic radicals	1. To show the phenomenon of isomerism.
JULY	Ch-7.Alcohol, Phenol and Ethers		To show working of valance bond theory.
			3. To show working of crystal field theory
AUGUST	Ch- 8 Aldehydes, Ketones and Carboxylic acid	1.To find group 1 to 6 basic radical	1.To show the formation of primary ,secondary and tertiary structure of protein
	- doing		2. Structure of DNA
8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	in a g		3.To show how the structure of glucose synthesized.
SEPTEMBER	Ch-9.Amines	1.To find acidic radicals	To show PPT on functional groups
ar Najari			2. To show PPT on lanthanoid contraction
OCTOBER	Revision	Assignments Class test	Assignments
NOVEMBER	Revision	Assignments	Class test Assignments
# - 11 == xxxxxxxxx = 1.		Class test	Class test
	Revision	Assignments	Assignments
DECEMBER		Class test	Class test
	Revision	Assignments	Assignments
JANUARY		Class test	Class test
	Revision	Assignment	Assignment
FEBRUARY	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Class test	Class test

# CLASS XII

# PHYSICS YEARLY PLANNER

#### 2024-2025

MONTH	CHAPTER	LAB ACTIVITY	SMART CLASS ACTIVITY
APRIL		(AC) BC// Carrette (AC)	To show formation of current due to charge carrier      To show combination of cell
MAY	1.Moving Charges and Magnetism	resistance of a galvanometer by had deflection method a to find its figure of merit.  3.To assemble a household circuit comprising three b three (on/off) switted a	of charges in magnetic field  2. Differentiate dia, para ferromagnetic material  If- and  ulbs,
זטנ	1. Electromagnetic W	1.To find the focal length of a converse by plotting graph between u and v	x lens elecromagnetic waves

AUGUST	2.Semiconductor Electronics: Materials.	lens, using a convex lens.  2. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.  1. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.  2. To draw the I-V	2. To study about photoelectric effect  1. study about electronic devices  2. explain about bohr model of atom
TENIDER	Devices and Simple Circuits	characteristic curve for a p-n junction diode in forward and reverse bias.  3. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.	art ebu
OCTOBER	REVISION	Assignments	Assignments

NOVEMBER	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
DECEMBER	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
JANUARY	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
FEBRUARY	REVISION	ASSIGNMENTS/CLASS TESTS	ORAL TEST
MARCH	Annual Exam		

### Class:12<sup>th</sup> Subject:Physical Education Syllabus

#### 2024-25

Month	Name of Books	Content	Subject Activity	Smart Activity
April	· · · · · · · · · · · · · · · · · · ·	1. Management Of Sporting Events  2. Children And Women In Sports	Draw a fixture related to tournament  Different types of deformity	Fixture of Tournaments
	itel	1 tr , 5 (17)		
May		3. Yoga As Preventive Measure For Lifestyle	Yogasana	Asanas Surya Namaskar
	- 4   4   1   1   1   1   1   1   1   1		Draw a list sportsperson with their medals	
July		5. Sports And Nutrition	Balance diet pre - post tournament	Different types of Fracture
	-	6. Test And Measurement In Sports	Physical fitness test	
1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3		7. Physiology And Injuries In Sports	¥	
August	i i fi 4e	8. Biomechanics And Sports	in sports	Projectile in sports
		9 Psychology And Sports	Aggression in sports	Friction in sports
		10. Training In Sports	Talent Development	Warming up, Cooling down, arobic and anaerobic exercise
September			Written, practical and oral practice	

October		Revision	Written, practical and oral practice	
November	4	Revision	Written, practical and oral practice	
December		Revision	Written practical and oral practice	
January	1.4	Revision	Written, practical and oral practice	
February	t landet.	Revision		
March	LA Averegilal	Examination		

#### Class:12<sup>th</sup> Subject:English (Core) Syllabus

#### 2024-25

			Mileo Activity
Nameof	Content	Activity	Mike Activity -Importance of
Flamingo	Prose-*TheLastLesson	Movie on Last Lesson	Mother in life.
	*Deep Water *The Rattrap	on Bangle making	- Child labour. -Glass Bangle
		Industry and seemapuri	industry
1 , 1	Poetry-	sium	<ul> <li>Old Age people and their problems</li> </ul>
	*MyMotheratSixty Six *Keeping Quiet * A thing of Beauty		-Women Empowerment
	WritingSkill-Notice		-Philately helps to
Vistas	*TheThirdLevel	4, 2	keep past Alive
	*Journey to the End Of The Earth  * The Enemy		
Flamingo	Prose-	Documentary	Bollywood of 19th t century vs 21st
Taningo	*Indigo *Poets and Pancakes	on indigo Even	century
	Poetry-A Roadside Stand	Plight of differently abled child	Drafting invitation card
	Writingskill- Invitation and reply		
/istas	*On the Face of it		
	Books Flamingo  Vistas  Flamingo	Flamingo  Prose-*TheLastLesson *Lost Spring *Deep Water *The Rattrap  Poetry- *MyMotheratSixty Six *Keeping Quiet * A thing of Beauty  WritingSkill-Notice  *TheThirdLevel *The Tiger king *Journey to the End Of The Earth * The Enemy  Flamingo  Prose- *Indigo *Poets and Pancakes  Poetry-A Roadside Stand  Writingskill- Invitation and reply	Nameof Books

July		Prose- *The Interview *Going Places	Conduct interviews of any 5 people around you	*Teen age and Heroism  *Women Empowerment
		Poetry- *Aunt Jennifer's Tiger  Writingskill- Job Application/ Letter to Editor  Memories of Childhood		
August	Flamingo	Unseen passage Report Writing Article Writing Revision	Written and oral practice	
September	Vistas	Revision	Written and oral practice	
October	Flamingo Vistas(Sup pl. Reader)	Revision	Written and oral practic	
November	Flamingo  Vistas(Sup pl. Reader)	Revision	Written and oral practic	
ecember	Flamingo	Revision	Written a	and stice

	Revision			
	Revision			
		Written and oral practice		
= 3	Revision			
		Revision Examination	Revision oral practice	Revision oral practice

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

Sr. No	Month	Name of the Chapter	Activity	SMART CLASS ACTIVITY
01	April	1.Matrices 2.Determinants 3. Relations and Functions	Solve practical problems by using matrix method.     Practically finding the area of a triangle by the help of determinants.	
02	May	1. Inverse Trigonometric Functions 2.Continuity 3.Differentaiabilty	1. To verify that the relation R in the set L of all lines in a plane, defined by R = {(1, m): 1    m} is an equivalence relation 2. To demonstrate a function which is one-one but not onto.	To show the graphs of all functions and study their domain and range
03	July	1.Application of derivative 2.Indefinite Integrals 3.Application of Integration	<ol> <li>To find analytically the limit of a function f (x) at x = c and also to check the continuity of the function at that point</li> <li>To understand the concepts of decreasing and increasing functions.</li> <li>To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.</li> </ol>	with respect to the other object.
04	August	1.Differential Equations 2.Probability 3.Vector and 3 D Geometry	<ol> <li>To understand the concept of local maxima, local minimand point of inflection.</li> <li>To evaluate the definite integral 2 (1) b a - x ∫ dx as the limit of a sum and verify by actual integration.</li> <li>To find the time when the area of a rectangle of given dimensions become maximif the length is decreasing at the breadth is increasing at given rates.</li> </ol>	dimensional geometry with xyz plane.