



# R.M PUBLIC SCHOOL

(CBSE AFFILIATION NO. 730072)

SESSION - 2024-25

## PA-2 & TERM-2 SYLLABUS OF CLASS 11<sup>TH</sup>Science

SUBJECT:- ENGLISH

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITIES
PA-2	Oct (23)	23	The voice of the rain(poem) The Adventure (prose) Childhood (poem) Father to son(prose) The tale of Melon city	A short writing task on memories of childhood  <b>Debate to be conducted in class on trending topics in the world thereby enhancing their general knowledge improving the public speaking skills of the students.</b>
	Nov(17)	01 16	Flip Learning Long writing task: Debate writing	
	Dec(6)	06	Clauses Revision of PA2 syllabus starts.	<b>A quiz competition on grammar including Clauses, Tenses, Reordering sentences thus making learning interactive and fun.</b>

TERM -2	Dec(12)	12	Revision of Term 1 and PA 2 syllabus . Doubt clearance to be done rigorously in the class.	Worksheets to be done on a regular basis containing Term 1 and Term 2 syllabus.
	Jan ( 12)	11	Revision Tests to be conducted regularly along with the revision sessions of the complete syllabus.	<b>An activity on Speech writing to be conducted in class</b>
		01	Flip Learning (The Adventure prose)	
	Feb ( 12)	12	Revision of PA-1 to T-2 Syllabus	Worksheets to be solved in the class containing the whole syllabus.

**SUBJECT:- BIOLOGY**

ASSESSMENT	MONTHS	Days	CONTENT	ACTIVITIES	
PA-2	October (23)	5	Ch:-Breathing and Exchange of Gases	To study the human respiratory system (sectional view of lungs)	
		1	Flip Learning		
		5	Ch:-Body Fluids and Circulation		<b>To study the human circulatory system (human heart)</b>
		6	Ch:-Excretory Products and their Elimination		Human skeleton and different types of joints with the help of virtual models only.
	6	Ch:-Locomotion and Movement			
Nov(17)	6	Ch:-Neural Control and Coordination	<b>To study the human CNS.</b>		

Term-2		6	Ch:- Chemical Coordination and Integration	
		4	Ch:- Cell Cycle and Cell Division	
		1	Flip Learning	
	Dec(6)	6	Revision of PA 2 syllabus.	
	Dec(12)	6	Ch:- Photosynthesis in Higher Plants	Activity to observe the essential role of air in the growth of green plants.
	6	Ch:- Respiration in Plants		
	Jan(12)	4	Ch:- Plant - Growth and Development	To observe the slides of mitosis and meiosis.
		1	Flip Learning	
		7	Revision of T- 2 syllabus.	
	Feb(12)	12	Revision of PA-1 to T-2 Syllabus	

**SUBJECT:- CHEMISTRY**

PURSUIT OF KNOWLEDGE

ASSESSMENT	MONTHS	Days	CONTENT	ACTIVITIES
PA-2	October (23)	12	Ch: Thermodynamics	Determination of one anion and one cation in a given salt.
		11	Ch: Thermodynamics and Equilibrium	Detection of - Nitrogen, Sulphur, Chlorine in organic compounds.

Term-2	Nov(17)	16 1	Ch: Redox Reactions Flip Learning	Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid.
	Dec(6)	6	Revision of PA 2 syllabus.	
	Dec(12)	6	Organic Chemistry - Ch: Some Basic Principles and Techniques	To perform the esterification reaction using ethanoic acid and ethanol.
		5 1	Ch: Hydrocarbons Flip Learning	
	Jan(12)	12	Revision of T- 2 syllabus.	Preparation of standard solution of Sodium carbonate.
	Feb(12)	12	Revision of PA-1 to T-2 Syllabus	

**SUBJECT:- PHYSICS**

ASSESSMENT	MONTHS	Days	CONTENT	ACTIVITIES
PA-2	October (23)	22 1	Ch: Gravitation Flip Learning	To study the conservation of energy of a ball rolling down on an inclined plane (using a double inclined plane).
	Nov(17)	10	Ch: Mechanical Properties of Solids Mechanical Properties of Fluids	To determine Young's modulus of elasticity of the material of a given

Term-2				wire
			07	Ch: Thermal Properties of Matter
	Dec(6)	6	Revision of PA2 syllabus	To find the force constant of a helical spring by plotting a graph between load and extension.
	Dec(12)	6	Ch: Thermodynamics	To determine the surface tension of water by capillary rise method.
		6	Ch: Behavior of Perfect Gases and Kinetic Theory of Gases	To study the relation between frequency and length of a given wire under constant tension using sonometer.
	Jan(12)	5	Ch: Oscillations and Waves	Using a simple pendulum plot L-T and L-T <sup>2</sup> graphs. Hence find the effective length of second's pendulum using appropriate length values
		1	Flip Learning	
		6	Revision of T- 2 syllabus.	
Feb(12)	12		Revision of PA-1 to T-2 Syllabus	

**SUBJECT:- MATHEMATICS**

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITIES
PA –2	October (23)	8	Ch- Sequence and Series	<b>Analyse Convergence and Divergence of series</b>
		15	Ch- Straight line	
Term -2	Nov(17)	16	Ch- Conic Sections	<b>Finding the equation of line given specific condition.</b>
		01	Flip Learning	
	Dec(6)	6	(Revision of PA-2 Syllabus)	
	Dec(12)	6	Ch-Introduction to three dimensional geometry	<b>Identify types; circles, ellipses, Parabola and hyperbola Plot points and visualize 3D objects. Modeling real world situations using limits and derivatives.</b>
		5	Ch-Limits and derivatives	
		1	Flip Learning	
	Jan(12)	12	Ch- Probability Revision of T2 syllabus	
	Feb(12)	12	Revision of PA-1 to T-2 Syllabus	

**SUBJECT:- HINDI**

ASSESSMENT	महीना	दिन	विषय- सूची	गतिविधियाँ
द्वितीय इकाई परीक्षा	अक्टूबर (23)	6	पाठ-रजनी	कार्य पत्रिका
		6	पाठ - जामुन का पेड़	PPT
		6	पाठ -भारत माता	PPT
		5	पत्र लेखन	
		3	अपठित गद्यांश	
	नवंबर (17)	5	पाठ: गज़ल	
		1	फ़िलप लर्निंग	
		4	डायरी लेखन	
		4	पुनरावृत्ति द्वितीय इकाई परीक्षा	
		6	पुनरावृत्ति द्वितीय इकाई परीक्षा	कार्य पत्रिका
दिसंबर (6)	6	पुनरावृत्ति द्वितीय इकाई परीक्षा	कार्य पत्रिका	
द्वितीय सत्र परीक्षा	दिसंबर (12)	3	पाठ :घर की याद	PPT
		3	पाठ-सबसे खतरनाक	
		3	पाठ-हे भूख! मत मचल	कार्य पत्रिका
		3	पाठ-हे मेरी! जूही के फूल जैसे ईश्वर	

	जनवरी (12)	1	फ़िलप लर्निंग	
		5	पाठ : गलत लोहा	
		6	पाठ : अपू के साथ ढाई साल	
	फरवरी (12)	12	पुनरावृत्ति द्वितीय सत्र परीक्षा	
			नोट :- प्रथम इकाई परीक्षा से लेकर द्वितीय सत्र परीक्षा का पूरा पाठ्यक्रम	

**SUBJECT:- CS**

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITIES
PA-2	October (23)	18	Chapter 7: Lists in Python	Practicals on lists
		5	Chapter 8: Tuples and Dictionary	<b>Practicals on tuples</b>
	November (17)	9	Chapter 9: Introduction to Python modules	Practicals on dictionaries
		1	Flip Learning	
	7	Chapter 10: Society, Law and Ethics	<b>Practicals on Modules</b>	
December (6)	6	Chapter 11: Cyber Safety (Revision of PA-2 Syllabus)	<b>Ppt on cyber crimes and their protection</b>	
Term-2	December (12)	12	Revision of t-2 Syllabus	
	January (12)	12	Revision of PA-1 to T-2	
		12		



	February (12)		Syllabus Revision of PA-1 to T-2 Syllabus	
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**SUBJECT:- PAINTING**

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITIES
<b>PA-2</b>	October (23)	23	Ch- The Art of Ajanta Cave	<b>Draw painting and Sculptures of Ajanta with description.</b>
	November(17)	16 1	Ch-Artistic Aspects of Indian Temple Sculptures. Flip Learning	<b>Make a collage of historical temples in jammu and kashmir with brief description.</b>
	December(6)	6	Revision of PA 2 syllabus	
	December(12)	11 1	Ch-Indian Bronze Sculptures Flip Learning	Draw pictures of indian Bronze Sculptures
	January(12)	12	Ch- Some Artistic Aspects of Indo - Islamic Architecture.	<b>Collect description of Taj mahal, Qutab minar and Gol Gumbad.</b>
<b>Term -2</b>	February (12)	12	Syllabus Revision of PA-1 to T-2 Syllabus	

**SUBJECT:- Entrepreneurship**

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITIES	
PA-2        Term-2	October (23)	23	Ch- Concept of Market	Group discussion on different marketing Strategies used by different business enterprises.	
	November (17)	16 1	Ch- Business and Arithmetic. Flip Learning	Prepare cash flow statement of any industry.	
	December (6)	6	Revision of PA2 Syllabus		
	December (12)	11 1	Ch- Resource Mobilization Flip Learning		
	January (12)	6	Ch- Resource mobilization (cond....) *Sources of finance *size and capital based classification of business enterprises.	Group Discussion on various sources of finance used by the business.	
			6	Revision of Term 2 syllabus	
	February (12)	12	Syllabus Revision of PA-1 to T-2 Syllabus		

**SUBJECT:- PHE**

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITIES
PA-2    Term-2	October (23)	23	Ch- Fundamental of Kinesiology biomechanics and sports	Children develops habits that keep them healthy and safe.
	November (17)	16 1	Ch-Psychology in sports Flip Learning	How to develop children personality?
	December (6)	6	Revision of PA2 syllabus	
	December (12)	11 1	Ch- Training in Sports. Flip Learning Revision of Term 2 syllabus	Children develop how to maintain physical fitness.
	January (12) February (12)	12 12	Revision of Term 2 Syllabus. Syllabus Revision of PA-1 to T-2 Syllabus	

**SUBJECT:- Psychology**

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITIES
PA-2	October (23)	15	Ch- Learning	To Study the effect of Meaning fullness of material on verbal learning.
	November (17)	8 10	Ch-Human memory( Half chapter) Ch-Human Memory ( Continue)	To determine the span of attention of digits in the

<b>Term-2</b>		6	Revision of Ch: Human Memory and Ch: Learning Flip Learning	<b>subject.</b>
	December (6)	6	Revision of PA2 Syllabus	
	December (12)	8	Ch- Thinking	Frame 5 questions of Divergent thinking.
		4	Ch- Motivation and Emotion ( Half chapter)	<b>Think of an emotional experience you have gone through recently. How did you deal with it. Discuss with your classmates.</b>
	January (12)	4	Ch- Motivation and Emotion ( Continue) Flip Learning	
		1	Revision of Term 2 syllabus	
	February (12)	7	Syllabus Revision of PA-1 to T-2 Syllabus	

**Note:**

- **According to the dairies schedule, weekly tests will be conducted every week.**
- **The highlighted activities will be attached to the Portfolio of the students.**

Regards  
Vice Principal  
RMPS