



R.M. Public School

(CBSE AFFILIATION NO. 730072)

Session 2025-26

SYLLABUS

CLASS :12TH (SCIENCE)

SUBJECT: ENGLISH

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA-1	March 11	5	Ch1: The Last Lesson	Discussion on “How regional languages can be preserved and taught to the youth of today.”
	Flamingo	6	Ch 2: Lost Spring	
	April 25	5	Poem 1. My mother at sixty six	Group discussion on “How the world can be made a peaceful place to live in amidst the wars and conflicts between nations” with examples from the current world.
	Flamingo	4	Poem 2.Keeping Quiet	
	Vistas	6	Creative writing skills:	
		5	Notice writing	
		5	Ch1: Third level	
		5	Ch 2: Tiger King	
TERM-1	May 13	3	Ch 3: Deep Water	Debate on “The repercussions of patriarchy on the mental state of women and the way forward to bring a change in the society.”
		3	Ch 4: The Rattrap	
	Flamingo	2	Poem 3: A Thing of Beauty	
		5	Revision of PA-1	
	May 5	2	Poem 4: Aunt Jennifer's Tigers	
	Vistas	3	Ch 3: The Enemy	
	July 12	5	Creative writing skills: Informal/ Formal invite and reply	Prepare a card format invitation for the Annual

	Flamingo	4 3	Ch 5: Indigo Poem 5: A Roadside Stand	day of your school to be sent to the parents.
	August 23 Flamingo Vistas	5 4 3 4 4	Ch 7: The Interview Creative writing skills: Job Application Report writing Ch 4: Journey to the end of Earth Ch 5: Memories of Childhood (a) Cutting of my long hair (b) We too are human beings Ch 6: On the Face of it	Create an online Resume for yourself for the job of a Teacher at a reputed school and take a printout of the same and paste it on your notebook.
	September 7	7	Revision of PA1 and Term 1 syllabus	

SUBJECT: MATHEMATICS

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITY/ PRACTICALS
PA-1	March 11	11	Ch1: Relations and Functions	To verify R in set L of all lines given by $R = \{(L,M) : L \text{ is Perpendicular to } M\}$ is symmetric but neither reflexive nor transitive.
	April 25	13	Ch 2: Inverse Trigonometric Functions	To draw the graph of $\sin^{-1}x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection.

		12	Ch 3: Matrices	
	May 13	8	Ch 4: Determinants	
		5	Revision of PA1	
TERM-1	May 5	5	Ch 5: Continuity and Differentiability	To find analytically the limit of a function $f(x)$ at $x = c$ also to check the continuity of the function at that point.
	July 12	12	Ch 6: Application of Derivatives	To understand the concept of local maxima, local minima and point of inflection.
	August 23	16	Ch 7: Integrals	To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.
		7	Ch 8: Application of Integrals	To construct an open box of maximum volume from given rectangular sheet by cutting equal part from each corner.
	September 7	7	Revision of PA1 and Term 1 syllabus	

SUBJECT: BIOLOGY

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITY/ LAB
PA-1	March 11	11	Ch1: Sexual reproduction in flowering plants (half)	Dissection of parts of flower in laboratory
	April 25	4	Ch1: Sexual reproduction in flowering plants.	Prepare a temporary mount to observe pollen germination.
		15	Ch 2: Human reproduction	Diagrammatic representation showing a) Oogenesis b) spermatogenesis.
		6	Ch 3: Reproductive health	Studying various techniques of ART (in ICR).
	May 13	8	Ch 4: Principle of inheritance and variation	To determine the population frequency of any field by quadrat method.
TERM-1		5	Revision of PA-1 syllabus	
	May 5	5	Ch 4: Principles of inheritance and variation	To make a temporary mount of the onion root tip to study various stages of mitosis. Project work a) Cancer b) Drugs c) Biodiversity d) AIDS

	July 12	8 4	Ch 5 : Molecular basis of inheritance Ch 6: Evolution (Half)	TS of blastula through permanent slides. TS of ovary through permanent slides
	August 23	5 7 7 4	Ch 6 : Evolution Ch 7: Human health and disease Ch 8: Microbes in human welfare Ch 9: Biotechnology principle and processes	Common disease causing organisms like Ascaris, Entamoeba, Plasmodium through permanent slides, models or virtual images.
	September 7	7	Revision of PA-1 and Term-1 syllabus.	Overview and explanation of chapter through ICR

SUBJECT: PHYSICS

ASSESSMENT	MONTH	DAYS	CONTENT	LAB ACTIVITIES
PA -1	March 11	11	Ch1: Electric Charges and Fields	Show charges by friction.
	April 25	8	Ch 2: Electric Potential and Capacitance	To determines resistivity of two / three wires by plotting a graph for potential difference versus current.
		9	Ch 3: Current Electricity	Working model-To find resistance of a given wire / standard resistor using metre bridge.
		8	Ch 4: Moving Charges and Magnetism	To verify the laws of combination (series) of resistances using a metre bridge. To assemble the components of a given electrical circuit. (Activity)

	May 13	8	Ch 5: Magnetism and Matter	To determine the resistance of a galvanometer by half deflection method and to its figure of merits.
		5	Revision of PA1 syllabus	
TERM -1	May 5	5	Ch 6: Electromagnetic Induction	To assemble a household circuit comprising three bulbs, three switches (ON/OFF) and power source. (Activity)
	July 12	12	Ch 7: Alternating Current	
	August 23	5	Ch 8: Electromagnetic Waves	To find the value of v for different value of u in case of concave mirror and to find focal length.
		7	Ch 9: Ray Optics and Optical Instruments	To find the focal length of convex mirror using a convex lens.
		7	Ch 10: Wave Optics	To determine the angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
		4	Ch 11: Dual Nature of Radiation and Matter	To determine refractive index of a glass slab using travelling microscope.
	September 7	7	Revision of PA1 and Term 1 syllabus	Model- Atomic structure.

SUBJECT: CHEMISTRY

ASSESSMENT	MONTHS	DAYS	CONTENT	LAB ACTIVITY (APPARATUS)
PA-1	March 11	11	Ch 1: Solutions	Preparation of crystals
	April 25	8	Ch 1: Solutions	To study the methods of purification of water.
		17	Ch 2: Electrochemistry	Testing the hardness, presence of iron chloride, fluoride etc depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit
	May 13	8 5	Ch 3 : Chemical Kinetics Revision of PA-1 syllabus	Volumetric titration
TERM -1	May 5	5	Ch 4: d & f block elements	Content based experiment
	July 12	6	Ch 4: d & f block elements	Project work
		6	Ch 5: Coordination compounds	
	August 23	6 10 7	Ch 6: Haloalkanes & Haloarenes Ch7: Alcohol, phenol & Ethers Ch 8: Aldehydes, ketones	Detection of functional groups

			and carboxylic acids	
	September 7	7	Revision of PA-1 and Term-1 syllabus	Detection of functional groups

SUBJECT: COMPUTER SCIENCE

ASSESSMENT	MONTHS	DAYS	CONTENT	LAB/PRACTICAL ACTIVITY
PA-1	March 11	11	Ch 1:Review of Python Basics	Practical
	April 25	15	Ch 2: Functions	Practical
		10	Ch 3:Data File Handling	Practical – CSV File Preparation
	May 13	8	Ch 4:Data Structures in Python	Practical
TERM -1		5	Revision of PA1 syllabus	
	July 12	12	Ch 5:Relational Databases and SQL	DBMS Assignment
	August 23	13	Ch 6: Computer network	DBMS Assignment
		10	Ch 7:Interface Python with SQL	Project Report & Practical File
	September	07	Revision of PA1 and Term 1 syllabus	

SUBJECT: PHYSICAL EDUCATION

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITY
PA -1	March 11	11	Ch 1:Management of sporting events	Group discussion-ways to manage sports Tournament
	April 25	12	Ch 2: Children and women in sports	
		13	Ch 3:Yoga as preventive measure lifestyle disease	Demonstration-Asanas
	May 13	8	Ch 4:Physical education and sports for CWSN	PPT on anyone game/ sports CWSN
TERM -1		5	Revision of PA1 syllabus	
	May 05	05	Ch 5: Sports nutrition	Chart preparation-Balanced diet.
	July 12	8	Ch 6 :Test and measurement in sports	Fitness Test Saikhelo test in school
		4	Revision of Term 1	
	August 23	8	Ch7: Physiology and injuries in sports	PPT Classify injuries joint and bones
		8	Ch 8:Biomechanics and sports	How to develop children's posture
		7	Ch 9: Psychology in sports	
	September 7	07	Revision of PA1 and Term 1 syllabus	

SUBJECT: ENTREPRENEURSHIP

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA -1	March 11	11	Ch 1: Entrepreneurial Opportunity <ul style="list-style-type: none"> • Sensing entrepreneurial opportunity • Environmental scanning • Problem identification 	Activity on trend spotting and sensing Entrepreneurial opportunities
	April 25	11	Ch 1: <ul style="list-style-type: none"> • Spotting trends • Creativity & Innovation • Selecting right opportunity 	
		14	Ch 2: Entrepreneurial Planning <ul style="list-style-type: none"> • Forms of business entities • Creating the plan • Business plan 	Project on business plan: Business description, market analysis operations and management
	May 13	8	Ch 3: Enterprise Marketing <ul style="list-style-type: none"> • Goals of business • Marketing and sales strategies • Branding • Promotion • Negotiation • Customer relation 	Preparation of marketing mix including: Product, price , place, promotion
		5	Revision of PA1	

			syllabus]	
TERM -1	May 5	5	Ch 3: Enterprise Marketing <ul style="list-style-type: none"> Employee and vendor management 	
	July 12	6	Ch 3: Enterprise Marketing <ul style="list-style-type: none"> Quality, timeline and customer satisfaction Business failure 	Flipped Learning
		6	Ch 4: Enterprise Growth Strategies <ul style="list-style-type: none"> Franchising 	Activities of franchising in term of role play
	August 23	10	Ch 4: Enterprise Growth Strategies <ul style="list-style-type: none"> Mergers and acquisitions 	Sales executive strategies of the Parle-G company.
		13	Ch 5: Business Arithmetic	
	September 7	7	Revision of Term 1 Syllabus	

SUBJECT –PSYCHOLOGY

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA-1	March 11	11	Ch1: variations in psychological attributes.	Raven's standard progressive matrices. (RSPM).
	April 25	12	Ch 2: Self and personality.	Maudsley personality inventory (MPI).
		13	Ch 3: Meeting life challenges.	Global adjustment scale.
	May 13	8	Ch 4 :Psychological disorders.	Identifying abnormal behaviour in different situations.
TERM -1		5	Revision of PA 1	
	May 5	5	Ch 5: Therapeutic approaches. (Half)	Group discussion
	July 12	12	Ch 5: Therapeutic approaches.	Guide and blindfold.
	August 23	13	Ch 6: Attitudes and social cognition.	David's battery of differential abilities.
		10	Ch 7: Social influences and group processes.	Self- concept questionnaire
	September 7	7	Revision of PA1 and Term 1 syllabus	

SUBJECT – PAINTING

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA-1	March 11	4 4 3	Ch 1: Introduction of Miniature Painting <ul style="list-style-type: none"> • Pala school • Jain School • Central school 	Study of Indian miniature painting <ul style="list-style-type: none"> • Surface • Brushes • Colours • Visit Art museum (history)
	April 25	4 4 4 13	Ch 2: Rajasthani School of Miniature Painting Origin and development <ul style="list-style-type: none"> • Sub Schools • Main features of Miniature painting • Paintings of Rajasthani School Maru Ragini, Chaugan Players, Krishna on Swing, Radha (Bani thani), Bharat meets Rama at Chitrakuta	Practical -Still life with drapery, fold of clothes. Student create a Rajasthani Bani Thani Painting
	May 13	2 2 2 2 5	Ch 3: Pahari school of Miniature Painting <ul style="list-style-type: none"> • Origin & development • Sub Schools - Basholi,Guler,Kangra, Chamba, Garhwal • Main features of Pahari school • Paintings of Pahari school Revision of PA1 syllabus	Students create a Pahari School of Miniature painting Practical-Still life

TERM -1	May 5	5	Ch 4: Mughal school of Miniature Painting • Origin & development	
	July 12	6 6	Ch 4: Mughal school of Miniature Painting • Main features of the Mughal school • Paintings of Mughal school	Study of Mughal Miniature Painting. Practical-Composition (Figurative with Contemporary art) Indian miniature painting
	August 23	5 5 5 8	Ch 5: Deccan School of Miniature Painting • Origin & development • Main features of the deccan school • Paintings of deccan school Ch 6: National Flag of India & the Symbolic Significance of its forms & the colours	Design Indian National Flag of (1906, 1921, 1947) History Practical-Portraits Landscape-(Historical buildings of Khajuraho and temples)
	September 7	7	Revision of PA1 and Term 1 syllabus	

PURSUIT OF KNOWLEDGE

विषय : हिंदी

परीक्षा	महीना	दिन	विषय सूची	गतिविधियाँ
प्रथम इकाई परीक्षा	मार्च 11	2	पुनर्कथन	“ संसार में कष्टों को सहते हुए भी खुशी और मस्ती का माहौल कैसे पैदा किया जा सकता है” विषय पर लेख लिखिए ।
	आरोह भाग- 2	5	पाठ 1: एकगीत “हरिवंश राय बच्चन ”	
		4	पाठ 3: कविता के बहाने कुँवर नारायण”	
	अप्रैल 25	8	पाठ 1: सिल्वर वैडिंग “मनोहर श्याम जोशी”	“कविता” पर स्वस्चित कविता लिखें
	वितान भाग- 2	8	पाठ 3: विभिन्न माध्यमों के लिए लेखन	
	अभिव्यक्ति और माध्यम	9	पाठ 4: पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया	
	मई 13	3	पाठ 4 - कमरे में बंद अपाहिज “रघुवीर सहाय”	अपने घर और विद्यालयों के आसपास हो रहे उन बदलावों के बारे में लिखें जो सुविधाजनक और आधुनिक होते हुए बुजुर्गों को अच्छे नहीं

		10	पाठों के आधार पर कार्य पत्रिका-प्रथम इकाई परीक्षा	लगते (A4 साइज शीट) सूर्योदय और सूर्यास्त
प्रथम सत्र परीक्षा	मई 5	2	नाट्य रूपांतरण	का चित्र चिपकाए।
		3	पाठ 5- उषा “शमशेर बहादुर सिंह”	
	जुलाई 12	3	पाठ 7-नई कवितावली तुलसीदास	दोहा और चौपाई A4 साइज शीट पर लिखिए और कक्षा में चर्चा करें।
	अभिव्यक्ति और माध्यम	3	पाठ 12-कैसे बनता है रेडियो नाटक?	विभिन्न जनसंचार माध्यमों -प्रिंट, रेडियो,टेलीविजन,इंटरनेट से जुड़ी 5-5 खूबियाँ और खामियों को लिखते हुए एक तालिका तैयार करें।
		3	पाठ 7- लक्ष्मण मूर्षा और राम का विलाप	
		3	पाठ 9-(i)छोटा मेरा खेत “उमाशंकर जोशी”	शारीरिक चुनौती का
	अगस्त 23	4	पाठ 9-(ii)बगुलो के पंख “उमाशंकर जोशी”	सामना कर रहे लोगों की सूची तैयार करें।
		4	पाठ 10- भक्तिन “महादेवी वर्मा”	महादेवी वर्मा पर लेख लिखें
		4	पाठ 11- बाजार दर्शन “जैनंद्र कुमार”	“पानी बचाओ” का
		4	पाठ 12- काले मेघा पानी दे “धर्मवीर भारती”	विज्ञापन तैयार करें। क्रिकेट और कुश्ती की

		3	पाठ 13- पहलवान की ढोलक “फणीश्वर नाथ रेणु”	कमेंट्री में क्या समानता है- अनुच्छेद लिखिए ।
		4	पाठ 15- श्रम विभाजन और जाति प्रथा “बाबा साहेब भीमराव आंबेडकर”	“जाति प्रथा” विषय के बिंदुओं को लिपिबद्ध कर संवाद लिखिए ।
			प्रथम सत्र परीक्षा की पुनरावृत्ति	पाठों के आधार पर कार्य पत्रिका
	सितंबर 7	7		

Regards
Vice Principal

PURSUIT OF KNOWLEDGE