



R.M Public School

(CBSE AFFILIATION NO. 730072)

Session 2026-27

SYLLABUS

CLASS 11TH SCIENCE

SUBJECT –ENGLISH

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA-1	April 23 Hornbill	04	Chapter-1: The Portrait of a lady	Podcast: The Deep Dive – in group of three students record a 5 min podcast episode discussing a specific theme.
		04	Chapter-2 : “We are not afraid to die: If we can All be together”	
		02	Poem 1: A Photograph	
		03	Poem-2:The laburnum Top	
	Snapshot	04	Chapter-1 : The summer of the beautiful white horse.	Poster making and explanation: ‘Nature speaks’ One student prepare poster another student explain.
		02	Grammar Sentences Reordering	
		04	Clauses	
	May 10 Hornbill	03	Chapter-3: Discovering Tut: the Saga Continues	
		03	Poem-3: The voice of the Rain	
		01	Grammar Letter writing	
		01	Note making	
		02	Revision of PA-1	
TERM-1	May 7 Snapshot	06	Chapter-3 : Mother’s Day	Students will prepare a card and write a short

		01	Activity	paragraph (100 words) on mother's contribution towards emotional, social and practical well-being of a family.
	July 14 Hornbill	06	Chapter-7 : The Adventure	Students share their stories with the group, discussing common themes and what makes childhood memories so valuable. Also paste the content on activity file.
		04	Poem-4: Childhood	
		02 02	Grammar Debate Writing Note Making	
	August 22 Snapshot Hornbill	05	Chapter-2: The Address	“Journey on the Silk Road” Role Play Objective: - Understand the challenges of the Silk Road journey - Explore cultural exchange, geography, and human experiences - Develop speaking and teamwork skills
		04	Chapter-8: Silk Road	
		03	Poem-5: Father to son	
		02 02	Creative Writing Note making Summarizing	
		04 02	Grammar Advertisement Speech writing	
	September 10	10	Revision of Term 1	

SUBJECT: CHEMISTRY

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA -1	April 23	13	Chapter-1: Some basic concepts of chemistry	Understanding the mole concept using pulses or marbles.
		10	Chapter-2: Structure of atom	
	May 10	05	Chapter-2: Structure of atom	
		05	Revision of PA1	

TERM-1	May 07	07	Chapter-2:Structure of atom	Prepare the standard solutions of acids and bases
	July 14	14	Chapter-3: Classification of elements and periodicity in properties	To determine the PH of acids using PH paper and indicators
	August 22	13	Chapter-4: Chemical bonding and molecular structure	To determine the PH of base using PH papers and indicators
		9	Chapter-9:-Redox Reaction	
	September 10	10	Revision of Term1	

SUBJECT –PHYSICS

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA - 1	April 23	10	Chapter-1: Unit and measurement	Determining average speed of a moving object to understand the concept of Distance, Time and average speed in motion in a straight line.
		13	Chapter-2: Motion in a Straight Line	
	May 10	08	Chapter-3: Motion in a plane	Field Trip - Visit to IIT Jammu.
		02	Revision of PA-1 Syllabus	
TERM-1	May 07	07	Chapter-4: Laws of motion	'Verify Newton's Second Law using a trolley, string, and hanging mass on an inclined plane' or 'Measure coefficient of static friction using inclined plane and block'.
	July 14	06	Chapter-4: Laws of motion	To find the weight of a body using parallelogram law of vectors.
		08	Chapter-5: Work energy and power	

	August 22	15	Chapter-6: System of particles and rotational motion	To study variation of time period of a simple pendulum of a given length by taking bob of same size but different masses.
		07	Chapter-8: Gravitation	
	September 10	07 03	Chapter-8: Gravitation Revision of Term 1	

SUBJECT –BIOLOGY

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITY
P A -1	April 23	05	Chapter-1:The Living World	Classifying organisms or items based on shared characteristics, using methods like creating dichotomous, Keys, sorting and analyzing relationships.
		05	Chapter-2: Biological Classification	
		08	Chapter-3: Plant Kingdom	
		05	Chapter-4: Animal Kingdom (Half)	
	May 10	07 03	Chapter-4: Animal Kingdom Revision of PA-1	Understanding classification based on structure symmetry coelom and revolutionary relationship.
TERM-1	May 07	07	Chapter-5: Morphology of Flowering Plants	Slides of monocot and dicot in lab
	July 14	14	Chapter-6: Anatomy of Flowering Plants	
	August 22	08 07	Chapter-7: Structural Organization In Animals Chapter-8: Cell- The Unit of Life	Videos of formation of proteins, DNA, lipids etc
		07	Chapter-9: Biomolecules	
	September 10	07 03	Chapter-9: Biomolecules Revision of Term 1	

SUBJECT: COMPUTER SCIENCE

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA- 1	April 23	10	Chapter-1: Computer System Organization	Prepare 3D models of Input and output devices.
		13	Chapter-2: Data Representation and Boolean logic	Logic Gates Circuits building of simple circuit using everyday item.
	May 10	07	Chapter-3: Computational Thinking and Getting Started with Python	Practical regarding installation of Python
		03	Revision of PA1	
TERM -1	May 07	07	Chapter-4: Python Programming Fundamentals	Apply basic Python syntax (variables, input/output) Develop logical thinking by predicting outputs
		14	Chapter-5: Conditional and Looping Constructs	Understand and use if-else conditions Practice loops (for & while)
	August 22	05	Chapter-6: Strings in Python	(Strings): students build the output formatting part — formatted report card using f-strings
		09	Chapter-7: Lists in Python	(Lists): add list of student names, append, remove, slice operations
		08	Chapter-8: Tuples and Dictionary	(Dictionary + Tuples): integrate marks dictionary and subject tuple; final program runs end-to-end

				Peer code review — each student reviews one peer's program for logic errors
	September 10	10	Revision of Term-1	"Student Data Manager" — Python Mini-Project using all data structures Each student builds a simple Python program that manages a student gradebook: stores student names in a list, marks in a dictionary (student → marks), uses tuples for immutable data (subject names), and performs string operations (formatted output). Program must: add a student, display all marks, find the highest scorer, and calculate class average. Submitted as a .py file with documented code.

SUBJECT: PHYSICAL EDUCATION

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITY
PA-1	April 23	13	Chapter-1: Changing trends in physical education	Dimension of any one game
		10	Chapter-2: Olympism value education	Recognized IOC labeled diagram of 400 meter track in colourful sheets.
	May 10	05	Chapter-3: Yoga	Prepare a chart on element of yoga
TERM-1		05	Revision for PA1	
	May 07	07	Chapter-4: Physical education and sports for Children with special needs	Visit to CWSN (inclusive)

	July 14	07	Chapter-4: Physical education and sports for Children with special needs	Prepare a chart of physical fitness components.
		07	Chapter-5: Physical fitness, wellness and lifestyle	
	August 22	11	Chapter-6: Test measurement and evaluation	Demonstration on SAI Khelo test
		11	Chapter-7: Fundamental of anatomy and physiology	PPT classify the anatomy and physiology in sports
	September 10	10	Revision of Term-1	

SUBJECT –PSYCHOLOGY

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA-1	April 23	13	Chapter-1: What is psychology?	Explore education and Career options in Psychology through Video Presentation.
		10	Chapter-2: Methods of enquiry in psychology (Half)	
	May 10	04	Chapter-2: Methods of enquiry in psychology.	Mystery Behaviour Detectives through case study and survey identify different method of Psychology.
		03	Chapter-3: Human Development (half)	
		03	Revision of PA 1	
Term -1	May 07	07	Chapter-3: Human Development	
	July 14	07	Chapter-3: Human Development.	3D demonstration of Life span development of different stages of Students
		07	Chapter-4: Sensory, Attention and perceptual processes.	
		11	Chapter-4: Sensory,	Span of attention

	August 22	11	Attention and perceptual processes. Chapter-5: Learning.	(Practical) Impact of meaningful Material on verbal Learning (practical)
	September 10	10	Revision of Term 1	

SUBJECT: MATHEMATICS

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA-1	April 23	10	Chapter-1: Sets	Maths concept mapping through group discussion:- Each group will create a visual concept related to assign chapter and explain the concept with examples. To represent set theoretic Operations using Venn diagrams To identify a relation and a function
		13	Chapter-2: Relations & Functions	
	May 10	07	Chapter-3: Trigonometric Functions	To find the value of Sin and Cos functions in 2 nd , 3 rd and 4 th quadrant on smart panel.
Term 1		03	Revision PA-1	
	May 07	07	Chapter-3: Trigonometric Functions	
	July 14	14	Chapter-4: Complex numbers	To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers
	August 22	05	Chapter-5: Linear inequalities	To verify that the graph of a given inequality say $5x+4y-40 < 0$, of the form $ax+by+c < 0$, $a, b > 0$, $c < 0$ represents only one of the two half planes
		17	Chapter-6: Permutations and combinations	Demonstration with three specific chairs

				and four random students
	September 10	10	Revision of Term-1	

SUBJECT –PAINTING

ASSESSMENT	MONTH	DAYS	CONTENT	ACTIVITY
PA-1	April 23	10	Chapter-1 Art-An Introduction	Color Theory Chart Activity
		13	Chapter-2 Prehistoric Rock Painting	Practical-Still Life study of various objects like Flowers, Bag, Bottle, plant done on drawing pad
	May 10	05	Chapter-3 Art of Indus Valley Civilization (half)	Create Pottery Design Practical -Still Life include Study of various objects, different shape like Cone, Prism, Books on drawing pad
TERM-1		05	Revision of PA 1	
	May 7	07	Chapter-3 Art of Indus Valley Civilization	
	July 14	14	Chapter-4 General Introduction to art During Mauryan, Shunga, Kushana & Gupta period	Painting of Hindu God or Goddess Practical- Nature Study include drawing of natural subject like plants, trees, flower on drawing pad
	August 22	13	Chapter-4 Sculptures of God/Goddess During Mauryan, Kushana, Shunga, &	Sculpture Buddha painting on portfolio sheet.

		09	Gupta Period Chapter-5 Introduction of Ajanta(half)	Sculpture anAjanta Cave Architecture on canvas.
	September 10	10	Revision of Term 1	

SUBJECT –ENTREPRENEURSHIP

ASSESSMENT	MONTHS	DAYS	CONTENT	ACTIVITY
PA-1	April 23	13	Chapter-1- Entrepreneurship Concept & Functions	Brainstorming and writing down 10 Business ideas(creative)
		10	Chapter-2- An Entrepreneur	
	May 10	5	Chapter-2- An Entrepreneur	Problem Decoding: Identify Problems Students face at School, Home or in the City and collaborate it with explaining that every successful business starts as a solution to the Problem.
		5	Revision of PA-1	
TERM- 1	May 07	07	Chapter-3: Entrepreneurial Journey	Write a formal success story of an emerging entrepreneur, highlighting the journey and the key factors that contributed to their achievement of success.
	July 14	14	Chapter-3- Entrepreneurial Journey	
	August 22	22	Chapter-4 Entrepreneurship as innovation and problem solving	Pitch a business idea to an investor.
	September10	10	Revision of Term 1	

SUBJECT: HINDI

परीक्षा	महीना	दिन	विषयसूची	गतिविधियाँ
प्रथम इकाई परीक्षा	अप्रैल 23 आरोह भाग 1	01	पुनर्कथन	आप शास्त्रीय संगीत पसंद करते हैं या चित्र पट संगीत अपने विचार A4 साइज शीट पर व्यक्त कीजिए
		06	पाठ 1- भारतीय गायिकाओं में बेजोड़ : लता मंगेशकर	
		06	पाठ 2- राजस्थान की रजत बूँदे “अनुपम मिश्रा”	
	वितान भाग 1 अभिव्यक्ति और माध्यम	05	पाठ 3 - विभिन्न माध्यमों के लिए लेखन	“कविता” पर स्वस्थित कविता लिखें विभिन्न जनसंचार माध्यमों - प्रिंट, रेडियो, टेलीविजन, इंटरनेट से जुड़ी 5-5 खूबियाँ और खामियों को लिखते हुए एक तालिका तैयार करें।
		05	पाठ 4-पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया	
		03	पाठ 2- “मियाँ नसीरुद्दीन” “कृष्णा सोबती”	
	मई 10 आरोह भाग 1	02	पाठ 1- नमक का दरोगा “ प्रेमचंद ”	कोई भी काम छोटा या बड़ा नहीं होता बल्कि उसे काम को करने की भावना श्रेष्ठ होनी चाहिए इस पर अपने विचार व्यक्त कीजिए A4 साइज शीट पर । लोगों के कमजोर व्यक्तित्व के कारण ही पंडित अलोपीदीन जैसे व्यक्ति समाज में प्रगति करते हैं प्रस्तुत पाठ से उदाहरण देकर सिद्ध कीजिए ।
		05	प्रथम इकाई परीक्षा (पुनरावृत्ति)	

प्रथम सत्र परीक्षा	मई 07 आरोह भाग 1	07	पाठ 3- अप्पू के साथ ढाई साल “सत्यजित राय”	एक फिल्म का निर्माण किसी तपस्या से कम नहीं है सिद्ध कीजिए।
	जुलाई 14 आरोह भाग 1	08	पाठ 4 विदाई संभाषण “बाल मुकुंद गुप्त”	लॉर्ड कर्जन की अनैतिक व अन्यायपूर्ण नीतियों से त्रस्त भारतीयों की व्यथा का वर्णन करें पहाड़ी गाँवों की समस्याओं पर प्रकाश डालिए
	लेखन	06	*रचनात्मक लेखन	
	अगस्त 22 आरोह भाग 1	02	*औपचारिक पत्र	पाठ के आधार पर कार्य पत्रिका अनुपम मिश्रा पर लेख लिखें।
		05	पाठ 4- चंपा काले काले अच्छर नहीं चीन्हती “त्रिलोचन”	
		05	पाठ 5- गजल “दुष्यंत कुमार”	
		05	पाठ 3- घर की याद “भवानी प्रसाद मिश्र ”	
	सितंबर 10	05 10	* निबंध लेखन प्रथम सत्र परीक्षा की पुनरावृत्ति	

NOTE: The field trip outlined in the syllabus shall be organized strictly upon receiving formal permission from the concerned institute/organization.