

Delhi Public School Numaligarh
Syllabus Bifurcation

Session: 2026-27

Class XI: Science

Delhi Public School, Numaligarh

Class: XI

Scheme of Work: 2026-27

Sub: English

S.N	Month	No. of ID	HORNBILL	Writing
2	May-2026	23 (approx)	The Portrait of a Lady A Photograph We're Not Afraid to Die... if We Can All be Together	Posters Advertisement
3	June-2026	13	Discovering Tut: the Saga Continues The Laburnum Top	Note Making Grammar
4	July-2026	09	The Voice of the Rain	Note Making
5	Aug-2026	23	Childhood The Adventure	Debate Writing
6	Sep-2026	17	SNAPSHOTS The Summer of the Beautiful White Horse The Address Revision	Speech Writing
7	Oct-2026	23	HORNBILL Silk Road Father to Son	
			SNAPSHOTS	
8	Nov-2026	21	Mother's Day	Debate Writing
9	Dec-2026	10		Speech Writing , Grammar
10	Jan-2026	20	Birth The Tale of Melon City	
11	Feb-2026	23	Revision	
12	March-2026	20	Examination	

Portion for Assessments-2026-27

PT-1	The Portrait of a Lady A Photograph We're Not Afraid to Die... if We Can All be Together Discovering Tut: the Saga Continues The Laburnum Top	Posters	Comprehension
Half Yearly Exam	We're Not Afraid to Die... if We Can All be Together Discovering Tut: the Saga Continues The Laburnum Top The Voice of the Rain Childhood The Adventure The Summer of the Beautiful White Horse The Address	Advertisement Posters Speech Writing Report Writing	Comprehension Note Making
PT-2	Silk Road Father to Son Mother's Day	Advertisement Posters	Comprehension Note Making
Annual Exam	Full Syllabus		

Projects/Subject Enrichment Activities

Month	Activity	Objective/s	Details & Evaluation
Aug- Sept 2026	Assessment of Speaking and Listening	<ul style="list-style-type: none"> • To listen to lectures and talks and to be able to extract relevant and useful information for a specific purpose • To develop the art of formal public speaking 	A Listening Skill test and a Speaking Skill test will be conducted
June 2026	Project	<ul style="list-style-type: none"> • To listen to a podcast and write a report or Debate on the chosen topic 	As per CBSE guidelines

S.N	Month	No of ID	Chapters	Practical /activities
2	May 2026	23	Chapter-1: The Living World Chapter-2: Biological Classification	*Study of osmosis by potato osmometer.
3	June 2026	12	Chapter-3: Plant Kingdom Chapter-5: Morphology of flowering plants	*Study of flower and Spotting.
4	July 2026	08	PT-1	
5	August 2026	22	Chapter-4: Animal Kingdom Chapter-6: Anatomy of flowering plants Chapter-7: Structural Organisation in Animals Chapter-8: Cell-The Unit of Life	*Preparation and study of T.S of Dicot and monocot root and stem and Spotting.
6	September 2026	11	Chapter-9: Biomolecules Chapter-10: Cell cycle and Cell Division. Half Yearly	*Study of Plasmolysis and spotting.
7	October 2026	20	Chapter-11: Photosynthesis in higher plants Chapter-12: Respiration in Plants	*Study of Distribution of stomata on lower and upper epidermis of a leaf and spotting.
8	November 2026	20	Chapter-13: Plant growth and development Chapter-14: Breathing and exchange of gases Chapter-15: Body fluid and circulation	*Comparative study of rate of transpiration in the upper and lower surface of leaves and spotting.
9	December 2026	10	Chapter-16 Excretory products and their Elimination PT-2	*Test for presence of sugar, starch, proteins and fats in plant and animal material.
10	January 2027	21	Chapter-17: Locomotion and Movement Chapter-18: Neural Control and co-ordination	*Separation of plant pigment through paper chromatography and Spotting
11	February 2027	22	Chapter-19 Chemical control and coordination. Revision	*Study of rate of respiration/ Spotting *Test for presence of sugar, urea, albumin and bile salts in urine.
12	March 2027	0/23	Revision and annual examination	

Portion for Assessments – 2026-27

PT-1	Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom Chapter-5: Morphology of flowering plants	
Half yearly	Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom Chapter-5: Morphology of flowering plants	Chapter-6: Anatomy of flowering plants Chapter-7: Structural Organisation in Animals Chapter-8: Cell-The Unit of Life Chapter-9: Biomolecules Chapter-10: Cell cycle and cell division.
PT-2	Chapter-11: Photosynthesis in higher plants Chapter-12: Cellular Respiration Chapter-13: Plant growth and development Chapter-14: Breathing and exchange of gases Chapter-15: Body fluid and circulation	
Annual Exam	Full Syllabus	

Projects/Subject Enrichment Activities

Month	Activity	Objective	Details/Evaluation
May-2026	Practical and Record work on	Enable students to understand to perform experiments based on theory	As per CBSE syllabus Practical Record keeping
August-2026	Practical and Record work on	Enable students to understand to perform experiments based on theory	As per CBSE syllabus Practical Record keeping
June 2026	Practical and Record work on	Enable students to understand to perform experiments based on theory	As per CBSE syllabus Practical Record keeping
September 2026	Practical and Record work Final Investigatory Project based on research and review of literature.	Enable students to understand by way of field visit Enable students to understand byway of experiential learning in investigatory approach	As per CBSE syllabus Practical Record keeping and investigatory report preparation
October 2026	Field Study to educational institutions/sites.	Enable students to get idea on practical experiences, advanced learning and scopes of higher studies.	

Syllabus break up /Scheme of Work : 2026-27

Class : XI

Subject: Chemistry

S.N	Month	No of ID	Chapters	Practicals/Activities
1.	April	-	-----	-----
2	May 2026	22	Chapter-1: Some basic concepts of chemistry Chapter7: Redox reactions.	Basic laboratory techniques-cutting and rounding of edges of glass tube,making jets etc Inorganic salt analysis
3	June2026	16	Chapter2: Structure of atoms Chapter8: Organic chemistry-some basic principles and techniques.	Inorganic salt analysis
4	July 2026	4	Chapter2: Structure of atoms(cont'd)	Inorganic salt analysis
5	August 2026	22	Chapter2: Structure of atoms(cont'd) Chapter3: Classification of elements and periodicity in properties. Chapter8: Organic chemistry-some basic principles and techniques.	Inorganic salt analysis.
6	September 2026	15	Chapter4: Chemical bonding and molecular structure Chapter8: Organic chemistry-some basic principles and techniques.	Acid-base Titration-to find the strength of NaOH solution by titrating against a standard solution of oxalic acid .
7	October 2026	21	Chapter4: Chemical bonding and molecular structure(cont'd) Chapter9:Hydrocarbons	Acid-base titration- to find the strength of Hcl by titrating against a standard solution of sodium carbonate.
8	November 2026	21	Chapter9 :Hydrocarbons-(cont'd) Chapter5:-Thermodynamics	Detection of extra element in the organic sample.
9	December 2026	9	Chapter5:-Thermodynamics(cont'd)	Detection of extra element in the organic sample.
10	January 2027	19	Chapter6: Equilibrium. Chapter9 :Hydrocarbons-(cont'd)	Detection of extra element in the organic sample.
11	February 2027	21	Chapter6: Equilibrium(cont'd) Revision work	Preparation of inorganic crystals/ content based experiments
12	March 2027	0/23	Annual Examination	Annual Practical Examination

Portion/Topics for Assessments : 2026-27

Examinations	Chapters for Assessments	Practicals
PT-1	<ol style="list-style-type: none"> Chapter-1: Some basic concepts of chemistry Chapter2: Structure of atoms(half) Redox reactions 	-----
Half yearly	<ol style="list-style-type: none"> Chapter-1: Some basic concepts of chemistry Chapter2: Structure of atoms. Chapter3: Classification of elements and periodicity in properties. Chapter4: Chemical bonding and molecular structure(half) Chapter12:Organic chemistry-some basic principles and techniques. Chapter8: Redox reactions 	Practical(30 marks) <ol style="list-style-type: none"> Salt analysis Titration
PT-2	<ol style="list-style-type: none"> Chapter13: Hydrocarbons. Chapter6:- Chemical Thermodynamics Chapter7: Equilibrium. 	-----
Annual	NCERT Syllabus/Full Syllabus(all 9 chapters)	Practical(30 marks) Full syllabus(salt analysis, titration,organic compound)

Examination schedule

Examination	Dates
PT-1	19 th June to 27 th July 2026
Half Yearly	18 th Sept to 23 th Sept2026
PT-2	12 th Dec to 19 th Dec2026
Annual	1 st March to 10 th March 2027

S.N	Month	No. of ID	Computer Science with Python-Sumita Arora
1	may	21	Unit 1- Computer System and organization Section-1: basic computer organization Section-2: Types of software Section-3: Operating System (OS) Section-4: Boolean logic
1	June-July	22	Unit 1- Computer System and organization Section-5: Number Systems Section-6: Encoding Schemes Unit 2- Computational Thinking and Programming – 1 Section-1: Introduction to Problem solving
2	Aug	24	Unit 2- Computational Thinking and Programming – 1 Section-2: Familiarization with the basics of Python programming Section-3: Knowledge of Data Types Section-4: Operators & Expressions Section-5: Errors Section-6: Flow of control, Conditional Statements
3	Sep	17	Unit 2- Computational Thinking and Programming – 1 Section-7: Iterative Statements
4	Oct	21	Unit 2- Computational Thinking and programming-1 Section-8: Strings Section-9: Lists Section-10: Tuples
5	Nov	20	Unit-2 Computational Thinking and programming-1 Section-11: Dictionary Section-12: Introduction to Python modules
6	Dec	10	Revision
7	Jan	20	Unit-3 Society, Law and Ethics Section-1: Digital Footprints Section-2: Digital Society and Netizen Section-3: Data Protection Section-4: Cyber Crime

			Section-5: Cyber Safety Section-6: Safely accessing Websites Section-7: E-waste management Section-8: Indian Information Technology Act(IT Act) Section-9: Technology & Society
8	Feb	20	Revision, Practical & Project Work , Annual Examination
9	Mar		Annual Examination

Portion for Assessments-2026-27

PT-1	Unit 1- Computer System and organization
Half Yearly Exam	Unit 1- Computer System and organization Unit-2 Computational Thinking and programming(Section-1 to 7)
PT-2	Unit 2- Computational Thinking and programming(Secton-8 to Section-12)
Annual Exam	Complete Syllabus

Projects/Subject Enrichment Activities

Month	Activity	Objective/s	Details & Evaluation
July & Aug-2026	Preparation of flowchart	Understand the concept , purpose, design and process of doing flowchart,	Clarity, step- by -step mapping of all process
Nov-2026	Find the largest and smallest numbers in a list, find whether string is a palindrome, compute GCD and LCM Annual Project on any user friendly applications	Enable students to develop idea on programming skill Enable students to develop application, used in real life using python	Logic, documentation/indentation and output presentation:

Sl.no	Month	No of Instr. Day	Statistics for Economics	Introductory Microeconomics
01	May 5 TH	17	Unit 1: Introduction	Unit: 4 : Introduction
02	June & July	13+ 9=22	Unit 2: Collection, Organisation & Presentation of Data	Unit 4: Central problems of an economy
03	August	23	Unit 3: Measures of Central tendency:	Unit 5: Consumer's Equilibrium & Demand: Cardinal utility analysis.
04	September	17	Unit 3: Measures of Central tendency:	Unit 5: Consumer's Equilibrium & Demand :
05	October	21	Unit 3: Correlation	Unit 6: Producer behaviour and Supply
06	November	21	Unit 3: Correlation	Unit 6: Producer behaviour and Supply
07	December	10	Unit 3: Introduction to Index Numbers	Unit 7: Forms of Market & Price determination Under Perfect Competition with simple applications.
08	January (2026)	20	Unit 3: Introduction to Index Numbers	Unit 7: Forms of Market & Price determination Under Perfect Competition with simple applications.
09	February, 2026	23	Revision	Revision
SUBJECT MAGAZINE FOR HALF YEARLY FOR EVALUATION OF 20 MARKS: 28/07/26 (Internal assessment)/ presentation				
PROJECT AS PER CBSE GUIDELINES , SUBMISSION ON 28/07/2026(Annual, Project viva), Viva will be conducted / Presentation				
PORTION FOR ASSESSMENT				
09	June		PT 1: (Unit 1, 2)	Unit: 4
10	Sept		HY: Unit: 1,2,3	Unit: 4,5
11	March		AE: Unit: 1,2,3	Unit: 4,5,6,7

** If any Syllabus changes it will be intimated.

Class: XI HUM

Scheme of Work: 2026-27

Sub: Geography

S.N	Month	No. of ID	Fundamentals of Physical Geography	India: Physical Environment	Practical work
1	May 2026	23	Geography as a discipline (L 1) The Origin and Evolution of the Earth (L 2)	India — Location (L 1)	Introduction to maps Map Scale
2	June 2026	13	Interior of the Earth (L 3) Distribution of Oceans and Continents(L 4)		Latitude, Longitude and Time
3	July-2026	09		Structure and Physiography (L 2)	
	Aug-2026	23	Geomorphic Processes (L 6) Landforms and their Evolution (L7)	Drainage System (L 3) Natural Vegetation (L 5)	Map Projections
5	Sep-2026	17	Composition and Structure of Atmosphere (L 8) Solar Radiation, Heat Balance and Temperature (L 9)		Map Projections Topographical Maps
6	Oct-2026	21	Atmospheric Circulation and Weather Systems (L 10) Water in the Atmosphere (L 11)		Topographical Maps
7	Nov-2026	15		Climate (L 4)	Introduction to Aerial Photography
8	Dec-2026	13	Water (Oceans) (L 13)		Introduction to remote sensing
9	Jan-2027	11	Movements of Ocean Water (L 14) & Revision		
10	Feb-2027	23	Revision & Annual Examination		
11	March-2027	20	Annual Examination		

Portion for Assessments-2026-27

PT-1 (August)	Half Yearly Exam	PT-2	Annual Exam
Fundamental of Physical Geography: L 1,2 & 3 India-L1	Fundamental of Physical Geography: Unit I, II and III (L 1 to 6) India: Physical Environment: L 1,2 & 3	Fundamental of Physical Geography: L 7 India: Physical Environment: L 5	Full syllabus

कक्षा : 11

पाठ योजना : 2026-27

विषय : हिंदी

क्र. स.	माह	कार्य दिवस	आरोह - 1	वितान - 1	अभिव्यक्ति और माध्यम
2	मई-2026	23	पाठ 1: नमक का दारोगा पाठ 2: मियाँ नसीरुद्दीन कविता 1: हम तौ एक एक करि जाना (कबीर) कविता 2: मेरे तो गिरधर गोपाल, दूसरो न कोई कविता 6: चंपा काले -काले अच्छर नहीं चीन्हती	भारतीय गायिकाओं में बेजोड़ - लता मंगेशकर	पाठ: 1 और 2
3	जून-2026	13	पाठ 5: गलता लोहा पाठ 3: अपू के ढाई साल		पाठ: 9
4	जुलाई-2026	09			
5	अगस्त -2026	23	पाठ 4: विदाई संभाषण कविता :5 घर की याद	राजस्थान की रजत बूँदें	पाठ:10 और 14
6	सितंबर-2026	17	अभ्यास	अभ्यास	अभ्यास
7	अक्टूबर-2026	21	पाठ 8 जामुन का पेड़ कविता 6: चंपा काले -काले अच्छर नहीं चीन्हती (पुनरावर्तन)	आलो -अंधारि	
8	नवंबर-2026	21	पाठ 7 रजनी कविता 8 हे! भूख मत मचल कविता 8 हे! मेरे जूही के फूल जैसे ईश्वर		पाठ: १५ और १६
9	दिसंबर-2026	10	कविता 9 सबसे खरतनाक	भारतीय कलाएँ	
10	जनवरी -2027	20	पाठ 9 भारत माता कविता 10 आओ मिलकर बचाएँ		
11	फ़रवरी -2027	23	पुनरावर्तन	पुनरावर्तन	पुनरावर्तन
12	मार्च -2027	20	परीक्षा	परीक्षा	परीक्षा

परीक्षा के लिए भाग – 2026-2027

PT-1	नमक का दारोगा ,मियाँ नसीरूदीन, हम तौ एक एक करि जाना ,मेरे तो गिरधर गोपाल, दूसरो न कोई चंपा काले -काले अच्छर नहीं चीन्हती		
Half Yearly Exam	नमक का दारोगा, मियाँ नसीरूदीन,हम तौ एक एक करि जाना, मेरे तो गिरधर गोपाल, दूसरो न कोई, गलता लोहा, अपू के ढाई साल, घर की याद	भारतीय गायिकाओं में बेजोड़ लता मंगेशकर,राजस्थान की	
PT-2	जामुन का पेड़, चंपा काले -काले अच्छर नहीं चीन्हती रजनी, हे भूख मत मचल	आलो -अंधारि	
Annual Exam	संपूर्ण पाठ्यक्रम	संपूर्ण पाठ्यक्रम	संपूर्ण पाठ्यक्रम

परियोजना /विषय संवर्धन गतिविधि

माह	गतिविधि	उद्देश्य	मूल्यांकन बिंदु
जुलाई- 2026	वाचन कौशल : (आशुभाषण) दिए गए विषय पर अपने विचार प्रस्तुत करनाः	बोलने के समय की हिचकिचाहट को दूर करना	आत्म विश्वास, शब्द चयन तारतम्यता
अगस्त- 2026	परिचर्चा ष राजस्थान के खान पान और स्वास्थ्य	राजस्थान के इतिहास और विविध रूपों से परिचय	अनुसंधान, भाषिक शुद्धता, लिखावट , रचनात्मकता , प्रस्तुतीकरण
अक्टूबर- 2026	वाचन कौशल : (आशुभाषण) दिए गए विषय पर अपने विचार प्रस्तुत करनाः	बोलने के समय की हिचकिचाहट को दूर करना	आत्म विश्वास, शब्द चयन तारतम्यता
दिसंबर- 2026	एकल क्रिया-कलाप : (वाच्य एवं श्रवण कौशल) - ध्वनि प्रस्तुति को ध्यानपूर्वक सुनकर पूछे गए प्रश्नों के उत्तर दीजिए।	वाच्य एवं श्रवण कौशल का विकास।	स्मृति शक्ति, उच्चारण , बोध स्तर, आत्मविश्वास

S.N	Month	No. of ID	NCERT Home Science Text book (Part I & Part II)	Activity
1.	May 2026	08	Unit I: Introduction to Home Science Unit II: Understanding oneself: Adolescence Ch - Understanding the Self. A. 'Who am I'?	
1.	June -2026	25	B. Development and Characteristics of the Self(Development characteristics and needs of adolescents) C. Influences on Identity	1.Understanding oneself with reference to: a) Physical development in terms of age, height, weight, hip and chest circumference. b) Sexual maturity (Age at menarche, Development of breasts: girls). Growth of beard, change in voice: boys)
2.	July -2026	13	Ch.- Food, Nutrition, Health and Fitness ➤ Definition of : • Food • Nutrition • Nutrients ➤ Balanced diet • Definition • RDA ➤ Health and Fitness ➤ Using basic food groups for planning Balanced Diets • Food guide pyramid ➤ Vegetarian food Guide ➤ Dietary patterns in Adolescence ➤ Modifying diet related behavior ➤ Factors influencing eating behavior ➤ Eating disorders at adolescence	2. Observe developmental norms: (Physical, Motor, Language and social - emotional) birth to three years. 3.a) Record own diet for a day b) Evaluate qualitatively for adequacy
3.	Aug -2026	7	Ch. - Management of Resources ➤ Introduction ➤ Classification of resources • Human and Non-human resources • Individual and Shared resources • Natural and Community resources ➤ Characteristics of resources ➤ Managing Resources ➤ Management process	
3.	Sep -2026	25	Ch.- Fabric Around us ➤ Definition of yarns, fibres, textile products, finishing. ➤ Fibre properties ➤ Classification of textile fibres • Filament and Staple fibres	4. Relationship of fibre properties to their usage: a) Thermal property and flammability b) Moisture absorbency and comfort

			<ul style="list-style-type: none"> • Natural and Manufactured (manmade) fibres <ul style="list-style-type: none"> ➤ Types of Natural Fibres • Cellulosic fibres • Protein fibres • Mineral fibres • Natural rubber <ul style="list-style-type: none"> ➤ Types of Manufactured Fibres • Regenerated cellulosic fibres • Modified cellulosic fibres • Protein fibres • Non-cellulosic fibres • Mineral fibres ➤ Yarns ➤ Yarn processing ➤ Yarn terminology ➤ Fabric production • Weaving • Knitting • Braiding • Nets • Laces ➤ Textile Finishing • Finishing with colour • Printing ➤ Some Important fibres and their properties • Cotton • Linen • Wool • Silk • Rayon • Nylon • Polyester • Acrylic • Elastomeric fibres 	
4.	Oct – 2026	19	<p>Ch-Media and Communication Technology</p> <ul style="list-style-type: none"> ➤ Communication and Communication Technology • What is Communication? • Classification of communication • How does communication take place? ➤ What is media? • Media classification and functions ➤ What is communication technology? • Classification of communication technologies • Modern communication technologies 	
5.	Nov – 2026	21	<p>Unit III: Understanding family, community and society</p> <p>Ch.- Relationships and interactions with 'Significant Others'.</p>	5. List and discuss 4-5 areas of agreement and disagreement with a) Mother b) Father c) Siblings/ Friends d) Teacher
6.	Dec -2026	20	<p>Ch. - Concerns and needs in diverse contexts:</p> <ol style="list-style-type: none"> a. Nutrition, Health and Hygiene b. Resources Availability and Management <p>Unit IV: Childhood</p> <p>Ch.-Survival, Growth and Development</p> <p>Ch.- Nutrition, Health and Wellbeing</p> <p>Ch- Our Apparel</p>	<p>6. a) Record one day's activities relating to time use and work</p> <p>b) Prepare a time plan for yourself</p> <p>7. Preparation of different healthy snacks for an adolescent suitable in her/his context.</p> <p>8.a) Record the fabrics and apparel used in a day</p> <p>b) Categorize them according to functionality</p>
7.	Jan -2027	09	<p>Unit V: Adulthood</p> <p>Ch.- Health and Wellness</p>	

8.	Feb -2027	23	Ch.- Financial Management and planning	9.Plan a budget for a given situation/purpose 10. (a) Analyze label of any one garment with respect to: Clarity, fiber content, size and care instruction (a) Prepare one care label of any garment. (b) Analyze two different fabric samples for color fastness
		22	Ch.- Care and Maintenance of fabrics Revision	
	March-2027	19	Annual exam	

Portion for Assessments-2026-27

PT-1	Unit I: Introduction to Home Science Unit –II- Understanding Oneself: Adolescence <ul style="list-style-type: none"> • Understanding the Self. What Makes Me ‘I’? • . Development and Characteristics of the Self(Development characteristics and needs of adolescents) • Influences on Identity • Food ,Nutrition ,Health and Fitness
Half yearly	Unit I: Introduction to Home Science Unit II: Understanding oneself: Adolescence Ch- Understanding the Self. A. ‘Who am I’? B. Development and Characteristics of the Self(Development characteristics and needs of adolescents) C. Influences on Identity Ch.- Food, Nutrition, Health and Fitness Ch. - Management of Resources Ch.- Fabric Around us
PT-2	Ch-Media and Communication Technology Ch. - Concerns and needs in diverse contexts: a. Nutrition, Health and Hygiene b. Resources Availability and Management
Annual	Full syllabus

Scheme of Work: 2026-27

Class: XI

Sub: Mathematics (041)

Sl.No.	MONTH	No. of ID	TOPICS/UNITS to be covered
1.	May-2026	20	Sets Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations), Universal set, Venn diagrams, Union and Intersection of sets, Difference of sets, Complement of a set, Properties of Complement.
			Relations & Functions: Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto $R \times R \times R$), Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions.
2.	June-2026	13	Relations & Functions: Constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of function.
			Trigonometric Functions: Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, for all x . Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple applications.
3.	July-2026	09	Trigonometric Functions: Deducing identities like the following: $\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}, \cot(x \pm y) = \frac{\cot x + \cot y}{\cot y \pm \cot x}$ $\sin \alpha \pm \sin \beta = 2 \sin \frac{1}{2}(\alpha \pm \beta) \cos \frac{1}{2}(\alpha \mp \beta)$ $\cos \alpha + \cos \beta = 2 \cos \frac{1}{2}(\alpha + \beta) \cos \frac{1}{2}(\alpha - \beta)$ $\cos \alpha - \cos \beta = -2 \sin \frac{1}{2}(\alpha + \beta) \sin \frac{1}{2}(\alpha - \beta)$ Identities related to $\sin 2$, $\cos 2$, $\tan 2$, $\sin 3x$, $\cos 3x$ and $\tan 3x$.
5.	August-2026	21	Complex Numbers and Quadratic Equations: Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane.
			Linear Inequalities: Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.

Sl.No.	MONTH	No. of ID	TOPICS/UNITS to be covered
6.	September-2026	22	Permutations and Combinations: Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for ${}^n P_r$ and ${}^n C_r$ and their connections, simple applications.
			Binomial Theorem: Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.
7.	October-2026	21	Sequence and Series: Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.
			Straight Lines: Brief recall of two dimensional geometry from earlier classes, Slope of a line and angle between two lines, Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form, Distance of a point from a line. REVISION FOR HALF YEARLY EXAM
8.	November-2026	21	Conic Sections: Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola, Standard equation of a circle.
			Introduction to Three-dimensional Geometry: Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.
			Limits and Derivatives: Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions, trigonometric, exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the curve
9.	Dec-2026	09	Limits and Derivatives: Derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.
			Statistics: Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data. Revision for PERIODIC TEST-II
11.	Jan-2027	20	Probability: Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' event
12.	Feb-2027	22	Revision for Annual Exam

Portion for Assessment-2026-27

Periodic Test-1	Chapter1: Sets Chapter2: Relations and Functions	Chapter3: Trigonometric Functions
Half Yearly exam	Chapter1: Sets Chapter2: Relations and Functions Chapter3: Trigonometric Functions Chapter 4: Complex Number Chapter5: Linear Inequality	Chapter 6: Permutations and Combinations Chapter 7: Binomial Theorem Chapter 8: Sequence and Series Chapter 9: Straight Lines
Periodic Test-2	Chapter-10: Conic Sections Chapter-11: Introduction to Three-dimensional Geometry	Chapter-12: Limits and Derivatives Chapter-13: Statistics
Annual Exam	Full Syllabus	

Activities to be performed during the year:

1. To distinguish between a relation and a function.
2. To find the number of subsets of a given set and verify that if a set has n elements, then total number of subsets is 2^n .
3. To verify that for two sets A and B, $n(A \times B) = p \times q$ and the total number of relations from A to B is 2^{pq} .
4. To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent.
5. Permutations and Combinations: To find number of ways in which three cards can be selected from five cards.
6. To find analytically $\lim_{x \rightarrow c} \frac{x^2 - c^2}{x - c}$
7. To verify the equation of line passing through the intersection of two given lines is of the form $a_1x + b_1y + c_1 + \alpha(a_2x + b_2y + c_2) = 0$.
8. To write the sample space when the coin is tossed twice, thrice, four times and so on.
9. To find the number of combinations that is the number of selection of 'r' things out of 'n' things, where $n \geq r$.
10. To demonstrate that the arithmetic Mean of two positive numbers is always greater than the geometric mean.

- The activities performed by the student throughout the year and record keeping: **5 marks**
- Assessment of the activity performed during the year end test: **3 marks**
- Viva voce: **2 marks**

S. No.	Month	No. Of ID	Health and physical education	Practical
1	May 2026	23	Changing Trends And Career In Physical Education <ul style="list-style-type: none"> • Concept, Aims and Objectives Of Physical Education • Changing trends in sports- playing surface, wearable gears and sports equipment, technological advancement • Career Options In Physical Education • Khelo-India and Fit India Program 	
2	June 2026 July 2026	13 09	Olympism <ul style="list-style-type: none"> • Ancient and Modern Olympics • Olympism-Concept and Olympic value • Olympic Symbols, Ideals, Objectives And Values Of Olympism • Olympic movement structure- IOC, NOC, IFS, other members 	Athletics
3	August 2026	22	Physical Fitness, Wellness And Lifestyle <ul style="list-style-type: none"> • Meaning And Importance Of Physical Fitness, Wellness And health • Components Of health, Physical Fitness And Wellness • Traditional sports and regional games for promoting wellness 	History Of Main Game
4	September 2026	17	Physical Education And Sports For Cswn <ul style="list-style-type: none"> • Concept of disability and disorder • Types of disability, its causes and nature • Aims and objectives of adaptive physical education • Concept Of Inclusion, It's Need And Implementation • Role Of Various Professionals For Children With Special Needs (Counselor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist And Special Educator) 	Basic Skills
5	October 2026	21	Yoga <ul style="list-style-type: none"> • Meaning And Importance Of Yoga • Introduction to ashthang yoga • Introduction-Asanas, Pranayam, Meditation And Yogic Kriyas • Introduction to yogic kriyas 	Physical Fitness
6	November 2026	21	Fundamentals Of Anatomy, Physiology And Kinesiology In Sports	BMI Of 10

			<ul style="list-style-type: none"> • Definition and importance of Anatomy and Physiology in exercise and Sports • Functions of skeletal system, classification of bones and type of joints • Function and structure of circulatory system and heart • Function and structure of respiratory system 	Members With Graphical Representation
7	November 2026	21	Test, Measurement And Evaluation <ul style="list-style-type: none"> • Concept of Test, Measurement And Evaluation • Classification of Test in Physical Education and sports • Test administration guidelines in Physical Education and Sports 	
8	December 2026	10	Fundamentals of Kinesiology and Biomechanics in Sports <ul style="list-style-type: none"> • Definition And Importance Of Kinesiology and Biomechanics in Sports • Principles of Biomechanics • Type of body movements- flexion, extension, abduction, adduction, rotation, circumduction, supination and pronation • Axis and planes- Concept and its application in body movements 	
9	December 2026	10	Psychology In Sports <ul style="list-style-type: none"> • Definition And Importance Of Psychology In Physical Education And Sports • Adolescent Problems & Their Management • Team cohesion and Sports 	
10	January 2027	20	Training And Doping In Sports <ul style="list-style-type: none"> • Concept and Principles Of Sports Training • Training load, Over load, Adaptation and recovery • Concept of doping and it's disadvantages 	
11	January 2027	20	Practical <ul style="list-style-type: none"> • Physical Fitness Test • Skills Of Main Game • Graphical Representation Of BMI 	
12	February 2027	22	Revision	

Portion for Assessments- 2026-27 for Class-XI

Assessment	Chapters	Practical
PT-1	Unit-1: changing trends and career in physical education Unit-2: Olympic value education	
Half yearly exam	Unit-1: changing trends and career in physical education Unit-2: Olympic value education Unit-3: physical fitness, wellness and lifestyle Unit-4: physical education and sports for CSWN Unit-5: yoga	Physical efficiency test with project file
PT-2	Unit test-6: physical activity and leadership training Unit test-7: test, measurement and evaluation	
Annual exam	Unit-1: changing trends and career in physical education Unit-2: Olympic value education Unit-3: physical fitness, wellness and lifestyle Unit-4: physical education and sports for CSWN Unit-5: yoga Unit test-6: physical activity and leadership training Unit test-7: test, measurement and evaluation Unit test-8: fundamentals of anatomy, physiology and kinesiology in sports Unit test-9: psychology in sports Unit test-10: training and doping in sports	Physical efficiency test with project file

S.N	Month	No. of ID	Unit to be Covered	PRACTICAL
1	May 2026	20	<ul style="list-style-type: none"> What is Psychology? 	
2	June 2026	13	<ul style="list-style-type: none"> Human Development 	
3	July 2026	09	<ul style="list-style-type: none"> Human Development 	PPT On Stages of human Development
4	August 2026	21	<ul style="list-style-type: none"> Learning Human Memory 	SERIAL AND FREE RECALL
5	September 2026	22	<ul style="list-style-type: none"> Human Memory 	
6	October 2026	21	<ul style="list-style-type: none"> Sensory, Attention and Perceptual Processes 	
7	November 2026	21	<ul style="list-style-type: none"> Method of Psychological Enquiry 	
8	December 2026	9	<ul style="list-style-type: none"> Thinking 	
9	January 2027	20	<ul style="list-style-type: none"> Thinking 	SCAT
10	February 2027	22	<ul style="list-style-type: none"> Motivation and Emotions Revision 	
11	March 2027	5	<ul style="list-style-type: none"> Revision 	

Portion for Assessments-2026-27(Psychology CLASS XI)

PT-1 June 2026	<ul style="list-style-type: none"> ● What is Psychology? ● Basis of Human Behaviour ● Human Development 	
Half Yearly Exam Sep 2026	<ul style="list-style-type: none"> ● What is Psychology? ● Basis of Human Behaviour ● Human Development ● Learning ● Human Memory 	Serial and Free Recall
Pt-2 Dec 2026	<ul style="list-style-type: none"> ● Human Memory ● Sensory ,Attention and Perceptual Processes ● Method of Psychological Enquiry 	
ANNUAL EXAM March 2027	Full Syllabus	2 PRACTICALS

Projects/Subject Enrichment Activities

Month	Activity	Objective/s	Details & Evaluation
July-August	Presentation on Human Development	The students will have a first hand knowledge about the stages of Development.	<ul style="list-style-type: none"> ● Correct information (content) ● Presentation (written in clear manner) ● Communication
September-October	Flow Chart Detailed presentation of the control processes of human memory.	<ul style="list-style-type: none"> ● Better understanding of the concept of SM,STM and LTM 	<ul style="list-style-type: none"> ● Correct information ● Presentation ● Understanding and Knowledge ● Creative and neatness.
December-January	Report writing The students will conduct a project on methods of Enquiry	<ul style="list-style-type: none"> ● The students will have a first hand knowledge and understanding of the different sensory processes 	<ul style="list-style-type: none"> ● Presentation ● Information (content) ● Understanding and Knowledge ● On time submission