Delhi Public School Numaligarh

Syllabus Bifurcation

Session: 2026-27

Class XII: Science

Delhi Public School, Numaligarh

Class: XII **Scheme of Work: 2026-27** **Sub: English**

S.N	Month	No. of ID	Flamingo	Writing
1	March, April 2026	10	FLAMINGO The Last Lesson Lost Spring Deep Water My Mother at Sixty Six Keeping Quiet	Notice Writing Formal and Informal Invitations
2	May2026	23	FLAMINGO The Rattrap Indigo A Thing of Beauty Poets and Pancakes VISTAS The Third Level The Tiger King	Letter to The Editor Job Applications
3	June-2026	13	Notes	Article Writing
4	July-2026	09	FLAMINGO The Interview A Roadside Stand Aunt Jennifer's Tigers	
5	Aug-2026	23	FLAMINGO Going Places VISTAS Journey to the End of the Earth The Enemy	
6	Sep-2026	17	VISTAS On the Face of It Memories of Childhood	Report Writing
7	Oct-2026	21	Revision	
8	Nov-2026	21	Revision	

9	Dec-2026	10	Revision and ASL	
10	Jan-2026	20	Revision and ASL	
11	Feb-2026	23	Revision and Board Exam	
12	March-2026	20	Board Exam	

Portion for Assessments-2026-27

QE-1	The Last Lesson Lost Spring Deep Water My Mother at Sixty Six Keeping Quiet The Third Level The Tiger King	Notice Writing Formal and Informal Invitations Job Applications	Comprehension
Pre-Board 1	Full Syllabus		
Pre-Board 2	Full Syllabus		

Projects/Subject Enrichment Activities

Month	Activity	Objective/s	Details & Evaluation
June 2026	Project	• To listen to a podcast and write a report or Debate on the chosen topic	As per CBSE guidelines
Nov-2026	Assessment of Speaking and Listening	• 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

Class XII (Science) **Scheme of Work: 2026-27** **Subject: Biology (044)**

S.N	Month	No of ID	Chapters	Practical /activities
1	Mar- 2026	07	Chapter-1: Sexual Reproduction in flowering plants	
2	Apr- 2026	10	Chapter-2: Human Reproduction	1. Preparing a temporary mount of pollen germination/ Spotting
3	May 2026	23	Chapter-3: Reproductive Health Chapter-4 : Principals of Inheritance and variation .	2. DNA isolation from given samples
4	Jun-2026	12	Chapter-5: Molecular Basis Of Inheritance **Qualifying Exam**	3. Study of Plant population through quadrate method.+ Revision
5	Jul-2026	04	**Qualifying Exam** **Continuation :** Chapter-5: Molecular Basis Of Inheritance.	
6	Aug- 2026	22	**Continuation:** Chapter-5: Molecular Basis Of Inheritance. Chapter-6: Evolution Chapter-7: Human Health and Disease.	4. Study of plant population frequency by quadrate method/ Spotting
7	Sep-2026	13	C hapter-8: Microbes in Human Welfare Chapter- 9: Biotechnology: Principles and Processes **Revision for PB-I**	5. Spotting 6. Prepare temporary mount of onion root tip to study mitosis
8	Oct-2026	20	Chapter- 10: Biotechnology and its Application Chapter- 11: Organisms and population.	7. Spotting
9	Nov-2026	20	**Continuation** Chapter- 11: Organisms and population. Chapter- 12: Ecosystem Chapter- 13: Biodiversity and conservation.	8. Spotting
10	Dec-2026	11	**Revision and PB II**	
11	Jan- 2027	8/21	Practical Exam Revision	
12	Feb-2027	0/22	Revision	
13	Mar-2027	0/23	AISSCE -2026	

Portion for Assessment 2026-27

PT-1/Qualifying Exam	Chapter-1: Sexual Reproduction in flowering plants Chapter-2: Human Reproduction	Chapter-3: Reproductive Health
PB-1	Chapter-1: Sexual Reproduction in flowering plants Chapter-2: Human Reproduction Chapter-3: Reproductive Health Chapter-4: Principals of Inheritance and variation	Chapter-5: Molecular Basis Of Inheritance Chapter-6: Evolution Chapter-7: Human Health and Disease C hapter-8: Microbes in Human Welfare
PB-II	Full syllabus	

Projects/Subject Enrichment Activities

Month	**Activity**	**Objective**	**Details/Evaluation**
May-2026	Practical and Record work	Enable students to understand the theory by way of practical approach	As per CBSE syllabus Practical Record keeping
June 2026	Practical and Record work	Enable students to understand the theory by way of practical approach	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
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

Class : XII **Syllabus break up/ Scheme of Work : 2026-27** **Subject : Chemistry**

S.N	Month	No of ID	Chapters	Practicals/activities
1	March 2026	8	1.Haloalkanes and haloarenes	----------
2	April2026	12	1. Haloalkanes and haloarenes.	Inorganic salt analysis
3	May 2026	24	1. Alcohols,phenols and ethers. 2. Solutions	Inorganic salt analysis
4	June2026	13	1. Electrochemistry Qualifying Examination(19th June)	Redox Titration-(1)Determine the strength of $KMnO_4$ by titrating against a standard solution of Mohr's salt. (2) Determine the strength of $KMnO_4$ by titrating against a standard solution of Oxalic acid.
5	July 2026	4	Qualifying Examination(22th July to 27th July)	AISSCE project work to be written(summer work)
6	August 2026	23	1. Chemical kinetics 2. Aldehydes, Ketones and carboxylic acids	Detection of functional group in an organic sample + AISSCE project work synopsis submission.
7	September 2026	17	1. Biomolecules 2. Amines PB-1 From 21/09/26 to 26/09/26	Detection of functional group in an organic sample. content based experiment(chemical kinetics)
8	October 2026	21	1.The d and f-block elements Autumn break:17/10 to 21/10	content based experiment (electrochemistry).
9	November 2026	22	1.The d and f-block elements(cont'd). 2. Coordination compounds.	Preparation of organic/inorganic crystals. AISSCE, PE project work to be done.
10	December 2026	9	Revision + PB-II exam(12^{th} Dec to 19^{th} Dec) Winter break:21^{st} Dec to 4^{th} jan,	---
11	January 2027		Revision+ PB-II exam(6^{th} Jan to 7^{th} Jan)	AISSCE practical exam
12	February 2027		Self study	
13	March 2027		AISSCE-2027	

Portion/Topics for Assessments :2026-27

Examinations	Chapters for Assessments	Practicals
QE-1	1. Haloalkanes and haloarenes 2. Alcohols,phenols and ethers. 3. Solutions 4. Electrochemistry	No Practicals
PB-1	1. Solutions 2. Electrochemistry 3. Chemical kinetics 4. Biomolecules 5. Haloalkanes and haloarenes. 6. Alcohols,phenols and ethers. 7. Aldehydes, ketones and carboxylic acids. 8. Amines.	Practicals- 30 marks 1. Salt analysis 2. Titration
PB-II	Full syllabus(all 10 chapters)	Practicals-30 marks Full syllabus
AISSCE 2026-27	Full syllabus(all 10 chapters)	Practicals-30 marks Full syllabus

Examination schedule

Examination	Dates
Qualifying Examination	19th June to 27th July2026
Preboard-1	21st Sept to 26th Sept2026
Preboard-2	12th Dec to 19th Dec 2027

Class: XII-A **Scheme of Work: 2026-27** **Sub: Computer Science**

S.N	Month	No. of ID	Computer Science with python-Sumita Arora
1	**Mar 2026**	9	**Unit 1- Computational Thinking and Programming-2** Section-1: Revision of the basics of Python covered in Class XI.
2	**Apr-2026**	13	**Unit 1- Computational Thinking and Programming-2** Section-1: Revision of the basics of Python covered in Class XI. Section-2: Functions
1	**May-2026**	23	**Unit 1- Computational Thinking and Programming-2** Section-2: Functions Section-3: Exception Handling Section-4 :File handling
2	**June/July:2026**	21	**Unit 1- Computational Thinking and programming-2** Section-4 : File handling Section-5: Data-structures-Stack
3	**Aug-2026**	23	**Unit 1- Computational Thinking and programming-2** Section-5: Data-structures-Stack **Unit-3 Database Management** Section-1: Database Concepts Section-2: Relational data model Section-3: Structured Query Language Section-4: Interface of Python with an SQL database
4	**Sep-2026**	17	**Unit-3 Database Management** Section-1: Database Concepts Section-2: Relational data model Section-3: Structured Query Language Section-4: Interface of Python with an SQL database **Unit 2-Computer Networks** Section-1: Evolution of Networking Section-2 : Data Communication terminologies Section-3 : Transmission media Section-4 : Network devices Section-5 : Network Topologies and types Section-6 : Network Protocol Section-7 : Mobile Telecommunication Technologies

			Section-8 : Introduction To Web services
5	**Oct-2026**	21	**Revision**
6	**Nov-2026**	15	**Revision**
7	**Dec-2026**	13	**Revision**

Portion for Assessments-2026-27

Qualifying Examination	**Unit 1- Computational Thinking and Programming** Section-1 to 4
PB-1	Complete Syllabus
PB-2	Complete Syllabus

Projects/Subject Enrichment Activities

Month	**Activity**	**Objective/s**	**Details & Evaluation**
July-Aug:2026	Practical and Record work on	Enable students to understand the requirement functions	Logic, documentation/indentation, Code quality and output presentation:
Aug-2026	Practical and Record work on	Enable students to understand the way of dealing with file handling	Logic, documentation/indentation, Code quality and output presentation:
Sep-Oct:2026	Practical and Record work Final Project on Python and SQL	Enable students to understand the recursion, data structures , enable students to develop software, used in real life using Python and SQL	Logic, documentation/indentation, Code quality and output presentation: Logic, documentation/indentation, Code quality and output presentation:

Class – XII (ABC) **Scheme of Work Session 2026-2027** **Subject – Economics**

Sl.no	Month	No of Inst. Days	**Introductory Macroeconomics**	**Indian Economic Development**
01	March & April	07+12=19	Unit1: National Income & Related Aggregates	Unit 6: Development Experience (1947-90) and Economic reforms since 1991.
02	May	23	Unit 2: Money and Banking	Unit 6: Economic reforms since 1991, Demonetization & GST
03	June	13	Unit 3: Problem of Excess demand and Deficient demand	Unit 7: Rural Development, Human Capital Formation, Employment
04	July	09	Unit 3: Problem of Excess demand and Deficient demand	Unit 7: Rural Development, Human Capital Formation, Employment
05	August	23	Unit 4: Government Budget and Economy	Unit 7: sustainable development
06	September	17	Unit 5: Balance of Payment	Unit 8: Developmental Experience
07	October	21	Revision	Revision
08	November	21	Revision	Revision
09	December	10	Revision	Revision
10	January 2026	20	Revision	Revision
SUBJECT MAGAZINE FOR HALF YEARLY FOR EVALUATION OF 20 MARKS, SUBMISSION:28/7/26 (Internal assessment)/ presentation				
PROJECT AS PER CBSE GUIDELINES , SUBMISSION ON 28/7/2026(CBSE, Project viva), Mock Viva will be conducted / Presentation				
PORTION FOR ASSESSMENT				
09	June-July		Q.E (Unit 1: National income & Related Aggregates)	PT -1(Unit 6: Development Experience (1947-90) and Economic reforms since 1991.)
10	September - October		PB-1 (Macroeconomics) Unit : 1,2,3	PB – 1 (IED) Unit: 6,7
11	December		PB II = All syllabus	PB II = All syllabus

** If any syllabus it will be intimated.

Class: XII Hum **Scheme of Work: 2026-27** **Sub: Geography**

S.N	Month	No. of ID	Fundamentals of Human Geography	India: People and Economy	Practical work
1	March-2026	9	Human Geography Nature and Scope (L 1)		
2	April-2026	13	The World Population (L 2) Human Development (L 4)	Population: Distribution, Density, Growth and Composition (L 1)	Data—Its source and compilation
3	May-2026	23	Primary Activities (L 5) Secondary Activities (L 6)	Human settlement (2)	Data—Its source and compilation Data Processing-mean, median mode
4	June-2026	13		Land Resources and Agriculture (L 3) Mineral and Energy Resources (L 5) (Holiday Homework) Water Resources (L 4)	Construction of diagrams: Line graphs, Bar graphs ,Pie diagram,
5	July-2026	09	Qualifying Exam	Qualifying Exam	Construction of diagrams: Line graphs, Bar graphs ,Pie diagram,
6	Aug-2026	23	Tertiary Activities and Quaternary Activities (L 7)	Planning and Sustainable Development in India (L 9) Transport and communication(L 10)	Classification on the basis of construction Dot maps, Choropleth Maps, Isopleths Maps
7	Sep-2026	17	Transport and Communication (L 8)	International Trade (L 11)	
8	Oct-2026	21	International Trade (L 9) Pre Board 1	Geographical perspective on selective issues and problems (L 12) Pre Board 1	Spatial Information Technology
9	Nov-2026	15	Revision	Revision	
10	Dec-2026	13	Revision & Pre Board 2	Pre Board 2	
11	Jan-2027	11	Pre Board 2	Pre Board 2	Board Practical examination
12	Feb-2027	23	Board Examination		
13	March-2027	20 days	Board Examination		

Portion for Assessments-2026-2027

Qualifying Exam	**Pre Board 1**	**Pre Board 2**
1. Fundamentals of Human Geography: Unit 1,2,3 2. India: People and Economy:Unit 1,2 (Except Minerals)	Complete Syllabus	Complete Syllabus

कक्षा : 12 **पाठ योजना : 2026-27** **विषय : हिंदी**

क्र. स.	माह	कार्य दिवस	आरोह- 2	वितान – 2	अभिव्यक्ति और माध्यम
1	मार्च / अप्रैल **2026**	10	पाठ- 11 भक्तिन पाठ – 12 बाज़ार दर्शन पाठ – 4 कैमरे में बंद अपाहिज		
2	मई-**2026**	23	पाठ 1: 1. आत्म परिचय 2. एक गीत पाठ 14: पहलवान की ढोलक पाठ 8: बादल राग, पाठ 6 उषा	पाठ – 1 सिल्वर वेडिंग	पाठ: 3 और 4
3	जून-**2026**	13	पाठ 17: शिरीष के फूल पाठ 10: (1) छोटा मेरा खेत (2)बगुलों के पंख	पाठ – 2 जूझ	पाठः ५
4	जुलाई-**2026**	09	पाठ -2 पतंग (कविता)		
5	अगस्त **-2026**	23	पाठ 13: काले मेघा पानी दे पाठ 14. (1)कविता के बहाने (2) बात सीधी थी पर	पाठ – 3 अतीत में दबे पाँव	पाठ 11 और 12
6	सितंबर-**2026**	17	अभ्यास	अभ्यास	अभ्यास
7	अक्टूबर - **2026**	21	पाठ 18: (1) श्रम विभाजन और जाति-प्रथा (2)मेरी कल्पना का आदर्श समाज पाठ 8: (1) कवितावली (2) लक्ष्मण मूर्छा और राम का विलाप		पाठ: 13
8	नवंबर-**2026**	21	पुनरावर्तन और अभ्यास	पुनरावर्तन और अभ्यास	पुनरावर्तन और अभ्यास
9	दिसंबर-**2026**	10	**पुनरावर्तन और अभ्यास**	**पुनरावर्तन और अभ्यास**	**पुनरावर्तन और अभ्यास**
10	जनवरी **-2027**	20	**पुनरावर्तन और अभ्यास**	**पुनरावर्तन और अभ्यास**	**पुनरावर्तन और अभ्यास**
11	फ़रवरी **-2027**	23	**पुनरावर्तन और अभ्यास**	**पुनरावर्तन और अभ्यास**	**पुनरावर्तन और अभ्यास**
12	मार्च **-2027**	20	परीक्षा	परीक्षा	परीक्षा

परीक्षा के लिए भाग

PT-1	भक्तिन, बाज़ार दर्शन, कैमरे में बंद अपाहिज,	सिल्वर वेडिंग	पाठ: 3 और 4
Half Yearly Exam	भक्तिन, बाज़ार दर्शन, कैमरे में बंद अपाहिज, सिल्वर वेडिंग आत्म परिचय ,एक गीत,पहलवान की ढोलक,बादल राग	जूझ, सिल्वर वेडिंग	**पत्रकारीय लेखन के विभिन्न आयाम,विभिन्न माध्यमों के लिए लेखन**
PT-2	शिरीष के फूल,छोटा मेरा खेत, बगुलों के पंख ,श्रम विभाजन और जाति-प्रथा,.मेरी कल्पना का आदर्श समाज , कवितावली , लक्ष्मण मूर्छा और राम का विलाप	अतीत में दबे पाँव	
Annual Exam	संपूर्ण पाठ्यक्रम	संपूर्ण पाठ्यक्रम	संपूर्ण पाठ्यक्रम

परियोजना /विषय संवर्धन गतिविधि

माह	गतिविधि	उद्देश्य	मूल्यांकन बिंदु
मई **2026**	वाचन कौशल : (आशुभाषण) दिए गए विषय पर अपने विचार प्रस्तुत करना़	बोलने के समय की हिचकिचाहट को दूर करना	आत्म विश्वास, शब्द चयन तारतम्यता
जुलाई-**2026**	श्रवण और वाचन कौशल : एक कहानी को सुनकर उस पर आधारित प्रश्नों के उत्तर दिए जाएँगे़	ध्यान पूर्वक सुनने की क्षमता का विकास होगा़	प्रासंगिकता और प्रस्तुतीकरण
नवंबर-**2026**	वाचन कौशल : (आशुभाषण) दिए गए विषय पर अपने विचार प्रस्तुत करना़	बोलने के समय की हिचकिचाहट को दूर करना	आत्म विश्वास, शब्द चयन तारतम्यता
दिसंबर-**2026**	(वाच्य एवं श्रवण कौशल) - ध्वनि प्रस्तुति को ध्यानपूर्वक सुनकर पूछे गए प्रश्नों के उत्तर दीजिए।	वाच्य एवं श्रवण कौशल का विकास।	स्मृति शक्ति, उच्चारण , एकाग्रता , बोध स्तर, आत्मविश्वास

Class: XII- A,B ,C,D **Scheme of Work: 2026-27** **Sub: Home Science (code-064)**

S.N	Month	No. of ID	Chapter	Practical
1.	**March and April- 2026**	**21**	**Unit I- Work, Livelihood and Career** **Chapter** 1: Work ,Livelihood and Career • Introduction • Traditional occupation in India • Work, age Gender • Life skills for livelihood • Ergonomics • Entrepreneurship	**Activity 3-** Visit to local artisans, Students will prepare resource file on the local traditional art, craft and cuisins. **Activity-4-** Collect information on women in your region who have contributed significantly to society
	May- 2026	**25**	**Unit 2- Nutrition, Food Science and Technology** **Chapter 2-** Clinical Nutrition and Dietetics • Introduction • Significance 17 • Basic concepts • Diet therapy • Types of diets: Regular Diet and Modified diets • Prevention of chronic diseases • Preparing for career • Scope **Chapter 3-**Public Nutrition and Health • Introduction • Significance • Basic concept ➢ Public health nutrition ➢ Nutritional Problems of India ✓ Protein energy malnutrition ✓ Micro nutrient deficiencies (Iron deficiency Anemia, Vitamin A deficiency, Iodine deficiency disorders) • Strategies /Intervention to tackle Nutritional problems • Nutrition programmes operating in India • Health Care • Scope	**Activity 5-** Prepare a power point presentation of distinguished women in Science, Technology, Mathematics, sports,Education,Literature,Medicine and other important areas.
2.	**June -2026**	**13**	**Unit 2- Nutrition, Food Science and Technology** **Chapter 5 –** Food Processing and Technology • Introduction • Significance • Basic Concepts ➢ Food Science ➢ Food Processing ➢ Food Technology ➢ Food Manufacturing • Development of food processing and technology • Importance of Food processing and Preservation • Classification of food on the basis of perishability and extent and type of processing • Preparing for a career • Scope	1. Modification of normal diet to soft diet for elderly person. 2. Development and preparation of supplementary foods for nutrition programme. 3. Planning a menu for a school canteen or mid-day meal in school for a week. 4. Design, prepare and evaluate a processed food product.

3.	**July-2026**	**7**	**Chapter 6-** Food Quality and Food Safety	5. Qualitative test for food adulteration in: pure ghee, tea leaves, whole black pepper, turmeric powder, milk, asafoetida.
4.	**August-2026**	**25**	**Unit III-Human Development and Family Studies.** **Chapter 7-** Early Childhood Care and Education**.** **Chapter 10-** Management of Support Services ,Institutions and programmes for Children, youth and Elderly	6. Preparation and use of any one teaching aid to communicate socially relevant messages for children/ adolescents /adults in the community. OR Preparation of any one toy for children (age appropriate) using locally available and indigenous material
5.	**September-2026**	**19**	**Unit 4- Fabric And Apparel** **Chapter 11:** Design for Fabric and Apparel **Chapter 12: Fashion Design and Merchandising** **Chapter 15: Care and Maintenance of Fabrics in Institutions**	7. Preparation of any one article using applied textile design techniques; tie and dye/batik/block printing. 8. Remove different types of stains from white cotton cloth –Ball pen, curry, grease, ink, lipstick, tea and coffee.
6.	**October-2026**	**21**	**Unit V-Resource Management** **Chapter 17**: Hospitality Management **Chapter 20:** Consumer Education and Protection	10. Evaluate any one advertisement for any job position. 11. Develop a leaflet/pamphlet for Consumer Education and Protection on any one of the following a) Consumer Protection Act (CPA) b) Consumer responsibilities c) Consumer organization d) Consumer Problem
7.	**November-2026**	**20**	**UNIT VI – Communication and Extension** **Chapter 21-** Development Communication and Journalism	12. Analysis and discussion of any one print/radio/electronic media with reference to focus, presentation, technology and cost.
8.	**Dec-2026**	**09**	**Revision**	
9.	**Jan-2027**	**23**	**-**	
10.	**Feb-2027**	**22**	**-**	
11.	**Mar-2027**	**19**		

Portion for Assessments-2026-27

QA	**Unit I- Work, Livelihood and Career** **Chapter** 1: Work ,Livelihood and Career **Unit 2- Nutrition, Food Science and Technology** **Chapter 2-** Clinical Nutrition and Dietetics **Chapter 3-**Public Nutrition and Health **Chapter 5 –** Food Processing and Technology
PB-1	**Unit I- Work, Livelihood and Career** **Chapter** 1: Work ,Livelihood and Career **Unit 2- Nutrition, Food Science and Technology** **Chapter 2-** Clinical Nutrition and Dietetics **Chapter 3**-Public Nutrition and Health **Chapter 5 –** Food Processing and Technology **Chapter 6-** Food Quality and Food Safety **Unit III-Human Development and Family Studies.** **Chapter 7-** Early Childhood Care and Education**.** **Chapter 10-** Management of Support Services ,Institutions and programmes for Children, youth and Elderly
PB-2	**Full Syllabus**
PB-3	**Full Syllabus**
AISSCE 2026-27	**Full Syllabus**

Project

Any one of the following project may be undertaken and evaluated –

1. **Study of an integrated community based, nutrition/health programme being implemented in own area , with reference to –**
   a) Programme objectives
   b) Focal group/ Beneficiaries
   c) Modalities of implementation
2. **Visit to the neighbouring areas and interview two adolescents and two adults regarding their perception of persons with special needs.**
3. **Profile any two person (child/adult) with special needs to find out their diet, clothing , activities, physical and psychological needs.**
4. **Planning any five messages for nutrition, health and life skills using different modes of communication for different focal groups.**
5. **Market survey any five processed foods with their packaging and label information.**

Class:XII **Scheme of Work: 2026-27** **Sub: Mathematics(041)**

Sl.No	MONTH	No. of ID	TOPICS/UNITS to be covered
1.	**March & April-2026**	**9+13**	**MATRICES:** Introduction, Matrix, Types of Matrices, Operations on Matrices, Addition and multiplication of Matrices, Multiplication with a scalar, Simple properties of Addition, Multiplication and Scalar multiplication of Matrices, Transpose of a Matrix, Symmetric and Skew Symmetric Matrices, Invertible Matrices, Proof of uniqueness of inverse, if it exists.
			DETERMINANTS: Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle, Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.
			RELATIONS AND FUNCTIONS: Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions
3.	**May-2026**	**23**	**INVERSE TRIGNOMETRIC FUNCTIONS:** Definition, range, domain, principal value branch, Graphs of inverse trigonometric function
			CONTINUITY AND DIFFERENTIABILITY: Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, $like$ $\text{Sin}^{-1}x$, $\cos^{-1} x$ and $\tan^{-1} x$, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives.
			APPLICATION OF DERIVATIVES: Applications of derivatives: rate of change of bodies, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool) Simple problems (that illustrate basic principles and understanding of the subject as well as real life situations).
4.	**June-2026**	**13**	**INTEGRALS:** Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them. $\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}}, \int \frac{dx}{ax^2+bx+c}, \int \frac{dx}{\sqrt{ax^2+bx+c}}, \int \frac{px+q}{ax^2+bx+c} dx,$
			Revision for Qualifying Exam

Sl.No	MONTH	No. of ID	TOPICS/UNITS to be covered
4.	**July-2026**	**09**	Qualifying Exam for class-XII
5.	**August - 2026**	**21**	**INTEGRALS:** Evaluation of simple integrals of the following types and problems based on them. $\int \frac{px+q}{\sqrt{ax^2+bx+c}}dx,\ \int \sqrt{a^2 \pm x^2}\,dx\,,\int \sqrt{x^2-a^2}\,dx\,,\int \sqrt{ax^2+bx+c}\,dx$ Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals
			APPLICATION OF INTEGRALS: Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)
			DIFFERENTIAL EQUATION: Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $\frac{dy}{dx}$+ py = q, where p and q are functions of x or constants. $\frac{dx}{dy}$+ px = q, where p and q are functions of y or constants
6.	**September-2026**	**22**	**VECTOR ALGEBRA:** Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector, Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio, Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.
			THREE DIMENSIONAL GEOMETRY: Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines, Angle between two lines.
			LINEAR PROGRAMMING: Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).
			PROBABILITY: Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem,
7.	**October-2026**	**22**	**PROBABILITY:** Random variable and its probability distribution, mean of random variable.

Sl.No	MONTH	No. of ID	TOPICS/UNITS to be covered
			Revision for Pre board Exam-1 **PRE BOARDEXAM-1**
8.	**Nov-2026**	**23**	Problem Solving from Sample papers, Doubt clearing classes **Revision for Preboard-2**
9.	**Dec-2026**	**15**	**Revision:** Revision for Preboard-2 **PRE BOARDEXAM-2**
10.	**Jan-2027**	**24**	**PRE BOARDEXAM-II,** Doubt clearing classes &Remedial classes **Board Practical Exam**
11.	**February - 2027**	**23**	**Revision ,** Doubt clearing classes &Remedial classes **CBSE BOARD EXAM**

Portion for Assessment-2026-27

Qualifying Exam	Chapter1:Relations and Functions Chapter3:Matrices	Chapter4:Determinants Chapter5:Continuity and Differentiability	Chapter6:Application of Derivatives Chapter7:Integrals(Indefinite Integrals)
Preboard-1	Chapter1:Relations and Functions Chapter2:Inverse trigonometric Functions Chapter3:Matrices Chapter4:Determinants Chapter5:Continuity and Differentiability	Chapter6:Application of Derivatives Chapter7:Integrals Chapter8:Application of Integrals Chapter9:Differential Equation	Chapter10: Vector Algebra Chapter:11Three Dimensional Geometry Chapter:12Linear Programming Problem Chapter:13Probability
Preboard-2	Full Syllabus		

Activities to be performed during the year:

1. To verify that the relation R in the set L of all lines in a plane, defined by R={(l,m):l is perpendicular to m} is symmetric but nether reflexive nor transitive.
2. To draw the graph of Sin^{-1} x, using the graph of Sin x and demonstrate the concept of mirror reflection (about the line y=x).
3. 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.
4. To verify Equivalence Relation.
5. To demonstrate a function which is not one-one but it is onto.
6. To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.
7. To verify that amongst all the rectangles of the same perimeter the square has the maximum area.
8. To verify geometrically that $\vec{c}$ x ($\vec{a}$ + $\vec{b}$)= $\vec{c}$ x $\vec{a}$ + $\vec{c}$ x $\vec{b}$
9. To verify that the angle in a semicircle is a right angle, using vector method.
10. To explain the computation of conditional probability of a given event A, when event B has already occurred through an example of throwing a pair of dice.

- 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

Class-XII **Scheme of Work: 2026-27** **Subject-Physical Education**

S. No.	Month	No. Of ID	Health and physical education	Practical
1	April 2026	10	**Management of sporting events** • Functions of sports management events (planning, organizing, staffing directing and controlling) • Various committees and their responsibilities (pre, during and post) • Fixtures and procedures- Knock out (bye and seeding), League (staircase and cyclic)	
2	May 2026	23	**Children and women in sports** • Common postural deformities- Knock knee, Bow legs, Flat Foot, Round Shoulders, Lordosis, Kyphosis, Scoliosis and their corrective measures • Special consideration (Menarche and Menstrual dysfunction) • Female athletes triad (Osteoporosis, Amenorrhea, eating disorders)	PEF Test
3	June 2026	13	**Yoga as preventive measures for lifestyle disease** • Obesity- Procedure, benefits and contraindication for tadasana, katichakrasana, pawanmuktasana, matsyasana, halasana, paschimottanasana, ardh-matsyendrasana, dhanurasana, ushtrasana, suryabhedan pranayam • Diabetes- Procedure, benefits and contraindication for Katichakrasana, pawanmuktasana, bhujangasana, shalbhasana, dhanurasana, sputa-vajrasana, paschimottanasana, ardh-matsyendrasana, mandukasana, gomukhasana, yogmudra, ushtrasana, kapalbhati • Asthama- Procedure, benefits and contraindication for tadasana, urdhawahastottanasana, uttanmandukasana, bhujangasana, dhanurasana, ushtrasana, vakrasana, kapalbhati, gomukhasana, matsyasana, anulom-vilom • Hypertension- Procedure, benefits and contraindication for tadasana, katichakrasana, uttanpadasana, ardh-halasana, sarala matsyasana, gomukhasana, uttanmandukasana, vakrasana, bhujangasana, makrasana, shavasana, nadishoddhan pranayam, sheetli pranayam	HISTORY OF MAIN GAME
4	July 2026	09	**Physical Education and sports for CWSN** • Organizations promoting disability sports (Special Olympics, Paralympics, Deaflympics) • Advantages of physical activities for children with special needs • Strategies to make physical activities accessible for CWSN	BASIC SKILLS

5	August2026	22	**Sports and nutrition** • Concept of balanced diet and nutrition • Macro and micro nutrients- food sources and functions. Nutritive and non nutritive components of diet	PHYSICAL FITNESS
6	September 2026	17	**Test and measurements in sports** • Fitness test- SAI khelo India fitness test in school: • Age group 5-8 years (Class I to III)- BMI, Flamingo balance test, plate tapping test, • Age group 9-18 years (Class IV to XII)- BMI, 50m speed test, 600m run/walk, sit and reach test, strength test (abdominal partial curl up), push up for boys, modified push up for girls • Computing basal metabolic rate • Rikili and Jones senior citizen fitness test	BMI OF 10 MEMBERS WITH GRAPHICAL REPRESENTATION
7	October 2026	21	**Physical education and sports for cwsn-divyang** • Physiological factors determining components of physical fitness • Effects of exercise on muscular system • Effect of exercise on cardio-vascular system • Sports injuries: classification (Soft tissue injuries- abrasion, contusion, laceration, incision, sprain and strain, Bone and joint injuries- Dislocation, fractures- greenstick, comminuted, transverse, oblique and impacted)	
8	October 2026	21	**Bio-mechanics and sports** • Newton's law of motion and its application in sports • Equilibrium- dynamic and static and centre of gravity and its application in sports • Friction and sports • Projectile in sports	
9	November 2026	21	**Psychology and sports** • Personality; it's definition and types (sheldon and jung classification) & big five theory • Meaning, concept and type of aggression in sports Psychological attributes in sports- self esteem, mental imagery, self talk, goal setting	

10	November 2026	22	**Training in sports** • Concept of talent identification and talent development in sports • Introduction of sports training cycle- Micro. Meso and Macro cycle • Strength- definition, types and methods of improving strength- isometric, isotonic and iso kinetic • Endurance- definition, types and methods to develop endurance- continuous training method, interval training method and fartlek training method • Speed- definitions, types and methods to develop speed- acceleration run and pace run • Flexibility- definitions, types and methods to develop flexibility • Coordinative ability- definitions and types Circuit training- introduction and its importance	
11	December 2026	10	**Revision**	

Portion for Assessments- 2026-27 for Class-XII

ASSESSMENT	CHAPTERS	PRACTICAL
QE-1/PT-1	**Unit-1: Management of sporting events** **Unit-2: Yoga as preventive measures for lifestyle disease**	
Half Yearly Exam	**Unit-1: Management of sporting events** **Unit-2: Management of sporting events** **Unit-3: Physical Education and sports for CWSN** **Unit-4: Sports and nutrition** **Unit-5: Test and measurements in sports**	**Physical Efficiency Test With Project File**
PT-2	**Unit Test-6: Physical education and sports for cwsn-divyang**	

	Unit Test-7: Bio-mechanics and sports	
PB-1	**Unit-1: Management of sporting events** **Unit-2: Management of sporting events** **Unit-3: Physical Education and sports for CWSN** **Unit-4: Sports and nutrition** **Unit-5: Test and measurements in sports** **Unit-6: Physical education and sports for cwsn-divyang** **Unit-7: Bio-mechanics and sports** **Unit-8: Physiology and injuries in sports** **Unit-9: Psychology and Sports** **Unit-10: Training in sports**	**Physical Efficiency Test With Project File**
PB-2	**Unit-1: Management of sporting events** **Unit-2: Management of sporting events** **Unit-3: Physical Education and sports for CWSN** **Unit-4: Sports and nutrition** **Unit-5: Test and measurements in sports** **Unit-6: Physical education and sports for cwsn-divyang** **Unit-7: Bio-mechanics and sports** **Unit-8: Physiology and injuries in sports** **Unit-9: Psychology and Sports** **Unit-10: Training in sports**	**Physical Efficiency Test With Project File**

Class: XII(Science) **Scheme of Work: 2026-27** **Subject: Physics**

S.N	Month	No of ID	NCERT Physics Textbook (Part –I & II)	Practical / Activity
1	March-2026	08	Chapter- 1: Electric Charges And Fields	
2	April -2026	12	Chapter- 1: Electric Charges And Fields Chapter- 9: Ray Optics and Optical Instruments	Lab on Glass prism
3	May- 2026	24	Chapter- 2: Electrostatic Potential and Capacitance. Chapter- 3: Current Electricity Chapter-10: Wave Optics.	Lab on(i) Ohm's law (ii) Meter bridge-I (iii)Meter bridge –II.
4	June-2026	13	Chapter- 3: Current Electricity (continuation) Chapter -11: Dual Nature of Radiation and Matter.	Lab on (i)Galvanometer Half deflection method
5	July- 2026	04	Chapter- 4: Moving Charges and Magnetism. Chapter -11: Dual Nature of Radiation and Matter.	
6	August- 2026	23	Chapter- 4: Moving Charges and Magnetism(continuation) Chapter -11: Dual Nature of Radiation and Matter(continuation) Chapter - 5: Magnetism And Matter Chapter -12: Atoms.	Lab on on (i) Conversion of Galvanometer into Ammeter (ii)Conversion of Galvanometer into Voltmeter (ii) Spherical mirrors
7	September- 2026	17	Chapter - 5: Magnetism And Matter (continuation) Chapter - 6: Electromagnetic Induction Chapter -13: Nuclei	Lab on(i) Spherical lenses (ii) Travelling Microscope.
8	October- 2026	21	Chapter - 7: Alternating Current Chapter- 8: Electromagnetic waves Chapter-14: Semiconductor Physics	Investigatory Projects Activities on(i)Glass slab (ii) Polaroid (iii)Identification of simple electronic components (iv)Assembling of different electrical circuit components, (v)Potentiometer bridge (vi)Lenses

				and Mirrors.
9	**November- 2026**	**22**	**Chapter- 8: Electromagnetic waves (continuation)** **Chapter-14: Semiconductor Physics(continuation)**	**Lab on PN Junction diode** **Pending Experiments/Activities to be completed**
10	**December- 2026**	**9**	**Revision, PB-II**	
11	**January -2027**	**-**	**Revision, PB-III**	
12	**February -2027**	**-**	**Self Study/Board Exam**	
13	**March -2027**		**Board Exam**	

Portion for Assessments – 2026-27

Qualifying Exam	**Chapters 1 ,2,9,10** : Electric Charges and Fields , Electrostatic Potential and Capacitance , Ray Optics and optical instruments, Wave optics
Half yearly	**Chapters 1,2,3,9,10,11,12**: Electric Charges and Fields , Electrostatic Potential and Capacitance, Current Electricity, Ray Optics and optical instruments, Wave Optics ,Dual nature of radiation and matter, Atoms
PB-I	Chapters :1,2,3,4,5,6,7,9,10,11,12,13
PB-II & PB-III	Full Syllabus.

Class: XII **Scheme of Work 2026-27** **Subject- Psychology**

S.N	Month	No. of ID	Unit to be Covered		PRACTICAL
1	Mar-Apr 2026	9+13	1.Variation in Psychological Attributes		
2	May 2026	23	2. Social Influence and Group Processes 3. Attitude and Social Cognition		MPI(Maudsely Personality Inventory)
3	June 2026	13	4. Self and Personality QE-12		SCAT(Sinha's Comprehensive Anxiety Test)
4	July 2026	9	4. Self and Personality (3DAYS) QE-12		SCQ(Self Concept Questionnaire)
5	Aug 2026	21	5. Psychological Disorders		AISS(Adjustment Inventory for School Children)
6	Sep 2026	22	6.Therapeutic Approaches		SPM(Standard progressive matrices0
7	Oct- 2026	21	7. Meeting Life Challenges	PB-1(12)	Case Study
8	Nov 2026 –DEC 2026	21(NOV) 9(DEC)	Practice PB11(12)		

Portion for Assessments-2026-27

QE(June-July25)	• Variation in Psychological Attributes • Self and Personality	• Attitude and Social Cognition • Social Influence and Group Processes
PB-I (Oct25)	CH-1,2,4,5,6,7 (approx.)	
PB-II(Dec-Jan 26)	CH-1,2,3,4,5,6,7(Complete syllabus)	
NEP	----------	----------

Projects/Subject Enrichment Activities

Month	Activity	Objective/s	Details & Evaluation
May-2026	**Project on Personality assessment**	The students will learn and understand the concept of assessment.	• Correct information • Presentation
September-Oct-26	1.Case study	The students will learn about the various psychological attributes of the subject and will carry out psychometric test as well as survey and observation	• Correct information(content) • Presentation(written in clear manner)
	2. Questionnaire	The students will learn how to make a standardized psychometric test	• Pilot survey • Scoring • Items validity and reliability