



DELHI PUBLIC SCHOOL, SILCHAR

SYLLABUS OF CLASS 12 SCIENCE

MONTH	CLASS	SUBJECT	CHAPTER NUMBER	CHAPTER NAME	LEARNING OUTCOME	ACTIVITIES	SYLLABUS OF
April	12 SCIENCES	ENGLISH	The last Lesson	The last Lesson			PT1, ANNUAL, PREBOARD 1&2
April	12 SCIENCES	ENGLISH	Poetry 1	My mother at sixty six			PT1, ANNUAL, PREBOARD 1&2
April	12 SCIENCES	ENGLISH	Writing skills	Formal/Informal invitation and replies in upto 50 words			PT1, HALF YEARLY EXAMINATION, PT2, ANNUAL, PREBOARD 1&2
May	12 SCIENCES	ENGLISH	2	Lost Spring			PT1, ANNUAL, PREBOARD 1&2
May	12 SCIENCES	ENGLISH	Vistas chapter 1	The third level			PT1, ANNUAL, PREBOARD 1&2
May	12 SCIENCES	ENGLISH	3	Deep water			HALF YEARLY EXAMINATION, PT2, ANNUAL, PREBOARD 1&2
May	12 SCIENCES	ENGLISH	4	The Rattrap			HALF YEARLY EXAMINATION, PT2, ANNUAL, PREBOARD 1&2
May	12 SCIENCES	ENGLISH	Poetry chapter 2	An elementary school classroom in a slum			HALF YEARLY EXAMINATION, PT2, ANNUAL, PREBOARD 1&2
May	12 SCIENCES	ENGLISH	Vistas chapter 2.	The Tiger King			HALF YEARLY EXAMINATION, PT2, ANNUAL, PREBOARD 1&2
June	12 SCIENCES	ENGLISH	5	Indigo			HALF YEARLY EXAMINATION, PT2, ANNUAL, PREBOARD 1&2
June	12 SCIENCES	ENGLISH	6	Poets and Pancakes	Keeping quiet		HALF YEARLY EXAMINATION, ANNUAL, PREBOARD 1&2
July	12 SCIENCES	ENGLISH	Poetry 3	Keeping Quiet			HALF YEARLY EXAMINATION, ANNUAL, PREBOARD 1&2
July	12 SCIENCES	ENGLISH	Writing section	Letters based on verbal/visual input			HALF YEARLY EXAMINATION, PT2, ANNUAL, PREBOARD 1&2
July	12 SCIENCES	ENGLISH	Vistas 3	Journey to the end of the earth			HALF YEARLY EXAMINATION, ANNUAL, PREBOARD 1&2
August	12 SCIENCES	ENGLISH	7	The Interview -Part 1			HALF YEARLY EXAMINATION, ANNUAL, PREBOARD 1&2
August	12 SCIENCES	ENGLISH	8	The Interview -Part 2			HALF YEARLY EXAMINATION, ANNUAL, PREBOARD 1&2
August	12 SCIENCES	ENGLISH	Poetry 4	A thing of Beauty			PT2, ANNUAL, PREBOARD 1&2
August	12 SCIENCES	ENGLISH	English writing section	Revision of the syllabus and Question paper solving			
September	12 SCIENCES	ENGLISH	writing section	Article/Report writing			ANNUAL, PREBOARD 1&2
September	12 SCIENCES	ENGLISH	Vistas 4.	The Enemy			ANNUAL, PREBOARD 1&2
September	12 SCIENCES	ENGLISH	8	Going Places			ANNUAL, PREBOARD 1&2
September	12 SCIENCES	ENGLISH	Poetry 6	Aunt Jennifer's Tigers			ANNUAL, PREBOARD 1&2

October	12 SCIENCES	ENGLISH	Vistas 6	Memories of Childhood			ANNUAL, PREBOARD 1&2
April	12 SCIENCES	BIOLOGY	1	Sexual reproduction in flowering plant	Learn details about reproduction in plants	Pollination	PT1
May	12 SCIENCES	BIOLOGY	7	Human health and diseases			PT1
May	12 SCIENCES	BIOLOGY	11	Organisms and populations			PT1
June	12 SCIENCES	BIOLOGY	3	Human reproduction	Learn about physiology		HALF YEARLY EXAMINATION
June	12 SCIENCES	BIOLOGY	4	Reproductive health	Learn about family planning		HALF YEARLY EXAMINATION
July	12 SCIENCES	BIOLOGY	7	Evolution	Learning the origin		HALF YEARLY EXAMINATION
July	12 SCIENCES	BIOLOGY	14	Ecosystem	Learn your surroundings		HALF YEARLY EXAMINATION
August	12 SCIENCES	BIOLOGY	15	Biodiversity and conservation			HALF YEARLY EXAMINATION
August	12 SCIENCES	BIOLOGY	Environmental issues 17	Environmental issues			HALF YEARLY EXAMINATION
September	12 SCIENCES	BIOLOGY	5	Principles of inheritance and variations			HALF YEARLY EXAMINATION, PT2
September	12 SCIENCES	BIOLOGY	6	Molecular basis of inheritance			PT2
September	12 SCIENCES	BIOLOGY	8	Human health and disease			ANNUAL
September	12 SCIENCES	BIOLOGY	9	Strategies for enhancement in food production			ANNUAL
November	12 SCIENCES	BIOLOGY	11	Biotechnology principles and processes			ANNUAL
November	12 SCIENCES	BIOLOGY	12	Biotechnology and it's application			ANNUAL
April	12 SCIENCES	CHEMISTRY	1	Solution	Understanding Solubility and Pressure	Measuring solubility	PT1
March	12 SCIENCES	CHEMISTRY	2	Electrochemistry (Conductance part)	Measuring conductance	Kohlrauchs law	PT1
April	12 SCIENCES	CHEMISTRY	6	Haloalkane and Haloarene	Understanding basics of organic transformation	Practical approach	PT1
May	12 SCIENCES	CHEMISTRY	7	Alchols, Phenols and Ethers	Understanding the nature and reactivity of Alchols	Phenolic -OH Test	PT1
June	12 SCIENCES	CHEMISTRY	5	Coordination Compounds	Understanding Coordination bonds, CFT	Double Salt per	HALF YEARLY EXAMINATION
June	12 SCIENCES	CHEMISTRY	2	Electrochemistry	Cell representation	Galvanic Cell	HALF YEARLY EXAMINATION
July	12 SCIENCES	CHEMISTRY	3	Chemical Kinetics	Rate understanding	Order determination	HALF YEARLY EXAMINATION
June	12 SCIENCES	CHEMISTRY	7	Alchols, Phenols and Ether	Phenols and Ethers	Ether lab Activity	HALF YEARLY EXAMINATION
June	12 SCIENCES	CHEMISTRY	8	Aldehyde and Ketone	Reactivity of Aldehyde and Ketone	Practical Approach	HALF YEARLY EXAMINATION
July	12 SCIENCES	CHEMISTRY	9	Aldehyde, Ketone and Carboxylic	Carboxylic Acid	Acid identification	HALF YEARLY EXAMINATION
August	12 SCIENCES	CHEMISTRY	5	Coordination Compounds	Coordinate bonds	Complex preparation	PREBOARD 1&2
August	12 SCIENCES	CHEMISTRY	4	d f Block Elements	Periodic Properties	Lanthanide Contraction	PREBOARD 1&2

September	12 SCIENCES	CHEMISTRY	Organic Chemistry Revision	Haloalkane and Haloarene, Alcohol	Practice Questions	PYQS	PREBOARD 1&2
September	12 SCIENCES	CHEMISTRY	Organic Chemistry Revision	Alcohol phenol and ether	Practice Qs	PYQS	PREBOARD 1&2
October	12 SCIENCES	CHEMISTRY	Organic Chemistry Revision	carboxylic Acid, Aldehyde and Ketone	Practice Qs	PYQs	PREBOARD 1&2
November	12 SCIENCES	CHEMISTRY	Organic Chemistry Revision	Amines and Biomolecules	Practice qs	PYQs	PREBOARD 1&2
December	12 SCIENCES	CHEMISTRY	Organic Chemistry Revision	Amines and Biomolecules	Practice Qs	PYQs	PREBOARD 1&2
August	12 SCIENCES	CHEMISTRY	9	Amines	Practical Approach	Lab Work	PREBOARD 1&2
August	12 SCIENCES	CHEMISTRY	10	Biomolecules	Biochemistry	Biological Applications	PREBOARD 1&2
September	12 SCIENCES	CHEMISTRY	Physical Chemistry Practice	Solution	Practice Qs	PYQs	PREBOARD 1&2
October	12 SCIENCES	CHEMISTRY	Physical and Inorganic Practice	Electrochemistry and Kinetics	Practice qs	PYQs	PREBOARD 1&2
November	12 SCIENCES	CHEMISTRY	Physical and Inorganic revision	Kinetics and Coordination Compounds	Practice Qs	PYQs	PREBOARD 1&2
December	12 SCIENCES	CHEMISTRY	Physical and Inorganic Practice	D-f block and Coordination Compounds	Practice Questions	PYQs	PREBOARD 1&2
April	12 SCIENCES	PSYCHOLOGY	1	Variations in Psychological Attributes			PT1
May	12 SCIENCES	PSYCHOLOGY	3	Meeting Life Challenges			PT1
June	12 SCIENCES	PSYCHOLOGY	2	Self and Personality			HALF YEARLY EXAMINATION
July	12 SCIENCES	PSYCHOLOGY	2	Self and Personality			HALF YEARLY EXAMINATION
August	12 SCIENCES	PSYCHOLOGY	4	Psychological Disorders			HALF YEARLY EXAMINATION
September	12 SCIENCES	PSYCHOLOGY	5	Therapeutic Approaches			HALF YEARLY EXAMINATION
October	12 SCIENCES	PSYCHOLOGY	6	Attitude and Social Cognition			PREBOARD 1&2
November	12 SCIENCES	PSYCHOLOGY	7	Social Influence and Group Processes			PREBOARD 1&2
December	12 SCIENCES	PSYCHOLOGY	1,2,3,4,5,6,7	Revision			PREBOARD 1&2
January	12 SCIENCES	PSYCHOLOGY	1,2,3,4,5,6,7	Revision			PREBOARD 1&2
April	12 SCIENCES	MATHEMATICS	1	Relations and Functions	Students will identify different types of functions and verify properties such as one-one and onto using mapping diagrams and graphs	Group discussion, quiz and real life applications	PT1
May	12 SCIENCES	MATHEMATICS	2	Inverse Trigonometry	Students will evaluate inverse trigonometric expressions and verify identities through graphical interpretation	Group discussion, quiz and real life applications	PT1
May	12 SCIENCES	MATHEMATICS	3	Matrices	Students will perform operations on matrices (addition, multiplication) and verify properties using numerical examples.	Group discussion, quiz and real life applications	PT1

May	12 SCIENCES	MATHEMATICS	4	Determinant	Students will calculate determinants of matrices and use them to find the area of triangles and solve linear equations.	Group discussion, quiz and real life applications	HALF YEARLY EXAMINATION
June	12 SCIENCES	MATHEMATICS	5	Continuity and Differentiability	Students will examine the continuity of functions graphically and compute derivatives using basic rules.	Group discussion, quiz and real life applications	HALF YEARLY EXAMINATION
July	12 SCIENCES	MATHEMATICS	6	Application of Derivatives	Students will solve problems involving increasing/decreasing functions, maxima and minima, and real-life optimization	Group discussion, quiz and real life applications	PT2
September	12 SCIENCES	MATHEMATICS	8	Applications of Integrals	Students will find areas under curves and between curves and relate them to real-life contexts.	Group discussion, quiz and real life applications	PT2, ANNUAL
October	12 SCIENCES	MATHEMATICS	11	Differential equations	Students will form and solve simple differential equations and interpret their solutions graphically.	Group discussion, quiz and real life applications	PT2, ANNUAL
October	12 SCIENCES	MATHEMATICS	12	vector algebra	Students will represent vectors geometrically and perform operations like addition, scalar multiplication, and dot product	Group discussion, quiz and real life applications	PT2, ANNUAL
October	12 SCIENCES	MATHEMATICS	13	3 D Geometry	Students will determine direction ratios and direction cosines and find equations of lines in space.	Group discussion, quiz and real life applications	ANNUAL
November	12 SCIENCES	MATHEMATICS	14	Linear Programming Problems (LPP)	Students will formulate real-life problems into linear inequalities and solve them graphically to find optimal solutions.	Group discussion, quiz and real life applications	ANNUAL
November	12 SCIENCES	MATHEMATICS	14	Probability	Students will compute probabilities of events using conditional probability and apply Bayes' theorem in simple cases	Group discussion, quiz and real life applications	

April	12 SCIENCES	COMPUTER SCIENCE	1	Python Revision Tour	Revisiting Python from class 11	Class test	PT1
April	12 SCIENCES	COMPUTER SCIENCE	1	Python Revision Tour	Revisiting Python from class 11	Class Test	PT1, HALF YEARLY EXAMINATION
May	12 SCIENCES	COMPUTER SCIENCE	2	Python Revision Tour - II		Class test	PT1, HALF YEARLY EXAMINATION
May	12 SCIENCES	COMPUTER SCIENCE	3	Working with Functions	Learning and understanding about Functions	Class test	PT1, HALF YEARLY EXAMINATION
June	12 SCIENCES	COMPUTER SCIENCE	Revision for PT1	Revision for PT1			PT1
June	12 SCIENCES	COMPUTER SCIENCE	4	File Handling	Understand methods to make and work with text files in python	Class test	HALF YEARLY EXAMINATION
June	12 SCIENCES	COMPUTER SCIENCE	3	Working with Functions (continue)			HALF YEARLY EXAMINATION
July	12 SCIENCES	COMPUTER SCIENCE	4	File Handling (CSV file)	Learning to handle csv files		HALF YEARLY EXAMINATION, PREBOARD 1&2
August	12 SCIENCES	COMPUTER SCIENCE	4	File Handling (CSV file) (continue)		Class test	HALF YEARLY EXAMINATION, PREBOARD 1&2
August	12 SCIENCES	COMPUTER SCIENCE	9	Data Structures (Stacks)	Understanding different data structures & stacks	Class test	HALF YEARLY EXAMINATION, PREBOARD 1&2
August	12 SCIENCES	COMPUTER SCIENCE	A. 13	Exception Handling	Learn about exception Handling	Quiz	HALF YEARLY EXAMINATION, PREBOARD 1&2
September	12 SCIENCES	COMPUTER SCIENCE	12	Relational Databases	Understand about Databases	Class test	HALF YEARLY EXAMINATION, PREBOARD 1&2
September	12 SCIENCES	COMPUTER SCIENCE	13	Simple Queries in SQL	Learning and understanding SQL	Class test	PREBOARD 1&2
September	12 SCIENCES	COMPUTER SCIENCE	Revision for Half Yearly	Revision			HALF YEARLY EXAMINATION
October	12 SCIENCES	COMPUTER SCIENCE	13	Table Creation and Data Manipulation	Creating and manipulation of data	Class test	PREBOARD 1&2
November	12 SCIENCES	COMPUTER SCIENCE	14	Grouping Records, Joins in SQL, Interface python with MySQL	Performing different functions in SQL	Practical	PREBOARD 1&2
November	12 SCIENCES	COMPUTER SCIENCE	10	Computer Networks	Learning about computer networking	Class test	PREBOARD 1&2
December	12 SCIENCES	COMPUTER SCIENCE	Revision for Preboard 1&2	Revision			PREBOARD 1&2
April	12 SCIENCES	ECONOMICS	PART A UNIT 1	Indian Economy on the Eve of Independence	After studying this chapter, students will be able to Understand the concept of Indian Economy	Students will be able to Classify economic activities	PT1

May	12 SCIENCES	ECONOMICS	PART A Unit 1	National Income and related Aggregates	After studying this chapter, students will be able to Understand the concept of National Income and the Know basic concepts like GDP (Gross Domestic Product) GNP (Gross National Product) NNP (Net National Product) Personal Income & Disposable Income, etc	Students will able to Prepare a chart showing relationships between: GDP, GNP, NNP, Personal Income, Disposable Income	PT1, HALF YEARLY EXAMINATION, ANNUAL, PREBOARD 1&2
April	12 SCIENCES	ECONOMICS	1	Indian Economy on the Eve of Independence	Understand the condition of the Indian economy before 1947.	Students act as Farmer,British officer,Indian trader	PT1, HALF YEARLY EXAMINATION, PREBOARD 1&2
April	12 SCIENCES	ECONOMICS	2	Indian Economy (1950-1990)	Role of different sectors Agriculture,Industry and Services	Is India a developed country?	PT1, HALF YEARLY EXAMINATION, PREBOARD 1&2
May	12 SCIENCES	ECONOMICS	3	Liberalisation, Privatisation and Globalization	Understand the meaning of economic reforms (1991 reforms).	“Were 1991 reforms necessary for India?”	PT1, HALF YEARLY EXAMINATION, PREBOARD 1&2
June	12 SCIENCES	ECONOMICS	Unit 1	Circular flow of Income and Basic concepts of Macro Economics	Analyse how income flows in an economy	Students act as Household, Firm and Government	PT1, HALF YEARLY EXAMINATION, PREBOARD 1&2
June	12 SCIENCES	ECONOMICS	Unit 1 chapter 3	National income & Related Aggregates	After studying this chapter, students will be able to Understand the meaning of national income.	“Is GDP a true measure of welfare?”	HALF YEARLY EXAMINATION, PREBOARD 1&2
June	12 SCIENCES	ECONOMICS	Unit 1 Chapter 4	Measure of National Income	Understand different methods of measuring national income	Students act as Producer ,Worker,Consumer	HALF YEARLY EXAMINATION
August	12 SCIENCES	ECONOMICS	Unit 3	Determination of income and employment	After studying this chapter, students will be able to Understand the concept of aggregate demand (AD) and aggregate supply (AS).	How government controls demand?	HALF YEARLY EXAMINATION, PREBOARD 1&2
July	12 SCIENCES	ECONOMICS	Unit 4	Government budget and the Economy	After studying this chapter, students will be able to Understand the meaning of a government budget.	“Is deficit budget good or bad?”	HALF YEARLY EXAMINATION, PREBOARD 1&2
October	12 SCIENCES	ECONOMICS	Unit 2	Money and Banking	Analyse tools of monetary policy	Students act as Banker and Customer	PT2, PREBOARD 1&2
September	12 SCIENCES	ECONOMICS	Unit 7	Current challenges facing Indian Economy	Evaluate government measures to solve these challenges.	“Biggest challenge for Indian economy”	PREBOARD 1&2

October	12 SCIENCES	ECONOMICS	Unit 5	Balance of Payments	Identify components of Current Account and Capital Account	Show BoP structure (Current + Capital Account)	PREBOARD 1&2
October	12 SCIENCES	ECONOMICS	Unit 8	Development Experience of India	Understand India's development path since independence.	Focus on Planned development, Public sector growth, Self-reliance	PREBOARD 1&2
April	12 SCIENCES	PHYSICS	1,2	Electric field and charges , Electric potential and capacitance	To understand the concept of electric field and force	Lab Work	PT1
May	12 SCIENCES	PHYSICS	3,4	current electricity , Moving charges and magnetism	To Understand the concept of magnetic field and its origin	Lab Work	HALF YEARLY EXAMINATION, PREBOARD 1&2
June	12 SCIENCES	PHYSICS	5	Magnetism and matter	To understand various magnetic matter	Lab Work	HALF YEARLY EXAMINATION, PREBOARD 1&2
August	12 SCIENCES	PHYSICS	6,7	Electromagnetic induction , Alternating current	To understand induction and A.C	Lab Work	HALF YEARLY EXAMINATION, PREBOARD 1&2
September	12 SCIENCES	PHYSICS	8,9	Electromagnetic Wave , Ray optics and optical instrument	To Understand various laws of light and optical instruments	Lab Work	PREBOARD 1&2
October	12 SCIENCES	PHYSICS	10,11	Wave optics , Dual nature of radiation and matter	Qs solving	Lab Work	PREBOARD 1&2
November	12 SCIENCES	PHYSICS	12,13	Atoms and Nuclei	Qs Solving		PREBOARD 1&2
December	12 SCIENCES	PHYSICS	14	Semiconductor electronics: Material , devices and simple circuit	To understand concept of semiconductor and also understand to construct electronic circuit	Lab Work	PREBOARD 1&2
January	12 SCIENCES			Revision			
May	12 SCIENCES	PHYSICAL EDUCATION	Unit -1 and Unit -2	1.Management of Sporting events 2. Children & Women in Sports			PT1
September	12 SCIENCES	PHYSICAL EDUCATION	Unit -3,4,5,6,7,8,9,& 10	3.Yoga 4.Physical education & sports for CWSN 5.Sports & Nutrition 6.Test & Measurement in Sports 7.Physiology & Injuries in sports 8.Biomechanics & Sports			HALF YEARLY EXAMINATION, PT2, PREBOARD 1&2