

Syllabus breakup
Subject- Physics
Class – XI

Month	Chapter/topic	Enrichment Activity	No of Period	Weightage of the Chapter
April- May	Ch 1 Physical world Ch 2 Units and Measurement Chapter–3: Motion in a Straight Line Topic - Vectors of chapter 4	<p>To measure diameter of a small spherical/cylindrical body using Vernier callipers.</p> <p>To measure internal diameter and depth of a given beaker/calorimeter using Vernier callipers and hence find its volume.</p> <p>To measure diameter of a given wire using screw gauge.</p> <p>To measure thickness of a given sheet using screw gauge.</p>	20	10
July- August	Chapter–4: Motion in a Plane Chapter–5: Laws of Motion	<p>To find the weight of a given body using parallelogram law of vectors.</p> <p>To study different objects showing projectile motions. Activity to be done in ground.</p>	32	13
Sep- oct	Ch 6 Work, Energy, Power	To determine the mass of two different objects using a beam balance.	40	17

Syllabus breakup
Subject- Physics
Class – XI

	Ch 7 System of Particles and Rigid Bodies Ch 8 Gravitation			
Oct-Nov	Ch 9 Mechanical Properties of Solids Ch 10 Mechanical Properties of Fluids Ch 11 Thermal Properties of Matter	To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and $1/V$. Working models of hydraulic lift and hydraulic brakes	32	20
Dec- Jan	Ch 12 Thermodynamics Ch 13 Kinetic theory of gases Ch 14 Oscillations Ch 15 Waves	Using a simple pendulum, plot L-T and L-T ² graphs. Hence find the effective length of a second's pendulum using appropriate graph. To study the relation between frequency and length of a given wire under constant tension using sonometer To find the speed of sound in air at room temperature using a resonance tube by two resonance positions	44	20

Yearly Syllabus (2023-24)**Subject- Psychology****Class- XI**

Month	Chapter/ Topic	Enrichment Activity	No of Period	Weightage of the Chapter
April May	1. What is Psychology	Individual Activity - 1. Identify the most appropriate method of Enquiry for the various Research Problems.	20	10
July	1. Methods of Enquiry in Psychology	Individual Activity - 1. Observation Method	15 -18	10
August	1. Bases of Human Behaviour	Individual Activity - 1. Interview Method	20	10
October	1. Human Development	Individual Activity What would your life be if you lived in rural area , devoid of all amenities. Discussion of development was taken place.	20	10

November	Sensory , Attentional and Perceptual Processes	Individual Activity Vision and hearing . What if you choose to improve ? Why? Could you improve the performance of this one sense without magic?	20	10
December	Learning	Individual Activity Experiencing Conditioning	20	10
January	Human Memory	Individual Activity - Breaking large piece of information and delivering it to store it in the LTM. Activity of repressed memory when the categorization of words have been done.	20	10
	Total = 70 + 30 (Practical and viva)			70

Delhi Public School,
Shaheedpath
Yearly Syllabus (2023-24)
Subject- ECONOMICS
Class- XI
Section- C and D

Month	Unit/ Name	Enrichment Activity	No of Period	Weightage of the Chapter
April- May	Unit 1- Introduction Unit 4: Introduction	Individual Activity Lap Book- Collect information on Central Problems of an economy and make a lap book	07+04=11	11
July	Unit 2- Collection, Organisation and Presentation of Data	Group Activity Newsletter- create a newspaper for India's Government Budget of 2023 using Collection, Organisation, Tabular, Diagrammatic and Graphic Data	27	06
August	Unit 5- Consumer's Equilibrium and Demand	Group Activity Collage Making- Collect information about the various Sectors found in our country and make a collage. Select the agricultural sector and describe it in a paragraph.	32	13
October	Unit 3- Statistical Tools and Interpretation	Individual Activity Compare and Contrast (Consumer's Equilibrium and Producer Behavior)- Compare and write the difference between Consumer's And Producer's behavior in India based on three sectors.	41	27

November	Unit 6- Producer Behavior and Supply	Economical Field Trip -A trip to the Bank in Lucknow along with the answering of the relevant worksheet related to the trip.	26	13
December	Unit 7- Forms of Market And Price Determination Under Perfect Competition With Simple Application	Complete a PPT based on Microeconomics chapters.	13	10
January	Project Work and Revision	Complete a Project based on chapters.	15	20

January	Path to Modernisation	Individual Activity Power Point Presentation- Make a PPT and demonstrate on Meiji Restoration in the class	22	15
Along with the chapters	Map work of the related themes			5
During Summer Vacation	Project Work		25	20
	Total			100

Syllabus breakup
Subject- Chemistry
Class – XI

Month	Chapter/topic	Enrichment Activity	No of Period	Weightage of the Chapter
April- May	Chapter 1: Some basic concepts of Chemistry Chapter 2: Structure of Atom Chapter–3: Classification of Elements and Periodicity in Properties Chapter 4: Chemical bonding and Molecular Structure	Determination of Molarity of KMnO_4 by titrating against standard solution of Oxalic and Mohr salt. Determination of one cation and one anion in given salt.	40	Physical Chemistry-32 Marks
July- August	Chapter 5: States of Matter Chapter 6: Chemical Thermodynamics Chapter 7: Equilibrium Chapter 8: Redox reaction	Determination of one cation and one anion in given salt. Cation : NH_4^+ , Pb^{+2} , As^{+3} , Cu^{+2} , Fe^{+3} , Ba^{+2} , Mg^{+2} Anions : CO_3^{-2} , SO_3^{-2} , SO_4^{-2} , NO_3^- , NO_2^- , Cl^- , Br^- , $\text{C}_2\text{O}_4^{-2}$, CH_3COO^-	40	Inorganic Chemistry-15 Marks

Syllabus breakup
Subject- Chemistry
Class – XI

September	Chapter 9: Hydrogen	Content Based Experiment	15	Organic Chemistry - 23 Marks
October - November	Chapter 10: s – Block Elements Chapter 11: Some p – Block Elements Chapter 12: Organic chemistry: Some Basic Principles and Techniques Chapter 13: Hydrocarbons Chapter 14: Environmental Chemistry	Content Based Experiment: Determination of functional group in organic compound Alcohol, Aldehyde , Ketone, Carboxylic acid Investigatory project.	40	

Delhi Public School, Shaheedpath
Yearly Syllabus (2023-24)
Subject- MATHEMATICS(041)
Class-XI

Month	Unit/ Name	Enrichment Activity	No of Period	Weightage of theChapter
April-May	Unit 1- Sets and Functions Chapters : 1)Sets 2) Relations	1)To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n 2)To verify that for two sets A and B, $n(A \times B) = pq$ and the total number of relations from A to B is 2^{pq} where $n(A) = p$ and $n(B) = q$.	30	11
July	Unit 1- Sets and Functions Chapters : 1)Functions 2) Trigonometry Unit 2- Algebra Chapters: 1) complex numbers and quadratic equations 2) linear inequations	1) To represent set theoretic operations using Venn diagrams 2) To verify distributive law for three given non-empty sets A, B and C, that is, $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$.	30+20	12+5
August	Unit 2- Algebra Chapters: 1) binomial theorem 2)permutations and combinations 3) sequence and series Unit 3- Coordinate geometry 1)	1) To distinguish between a Relation and a Function(audio visual activity) 2) project on the basis of Pascal's triangle (chart paper)	30+20	20+7

	introduction to 3D 2) straight lines			
October	Unit 3- Coordinate geometry Chapters : 1) conic sections Unit 4 – Calculus Chapters: 1) limits	1) To verify the relation between the degree measure and the radian measure of an angle	25+20	5+4
November	Unit 4 – Calculus Chapters: 1) derivatives Unit 5 – Statistics Chapters: 1) Probability	1) To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant.	36	4+6
December	Unit 5 – Statistics Chapters: 1) Statistics	2) To plot the graphs of $\sin x$, $\sin 2x$, $2\sin x$ and $\sin x/2$, using same coordinate axes.	20	6
January	Project Work and Revision	Complete a Project based on chapters.	15	5
		ACTIVITY FILE Notebook Project	total	10 marks 5 marks 5 marks 80+20=100 marks

Yearly Syllabus (2023 - 24)
Subject – Biology
Class – XI

Month	Chapter / Topic	Activity/Practical	No. of Period	Weightage of the Chapter
April	The Living World Biological Classification	Group discussion about systems of classification	20	5
May	Plant Kingdom Animal Kingdom	Showing different plant and animal specimens	25	10
July	Cell -The Unit of Life Cell Cycle and Cell Division	Preparation of chart by students on cell cycle .	20	10
August	Morphology of Flowering Plants Anatomy of Flowering Plants Structural Organization in Animals	Practical of solanaceae family. Preparation of temporary slide of dicot and monocot stem and root.	30	10
October	Breathing and Exchange of Gases Body Fluids and Circulation		25	7
November	Photosynthesis in Higher Plants Respiration in Plants Plant - Growth and Development	Separation of chlorophyll pigments by paper chromatography.	26	12
December	Excretory Products and their Elimination	Study of bones and muscle tissue.	20	6

	Locomotion and Movement			
January	Neural Control and Coordination	Demonstration of reflex action.	26	10
	Chemical Coordination and Integration	Test of protein, starch, sugar and oil in plant materials		
	Biomolecules			
Practical Exam	Lab manual +Project+ Viva	Based on chapters		30
Total				100

SPLIT-UP SYLLABUS**SESSION 2023-24****CLASS: XI****SUBJECT: BUSINESS STUDIES (054)**

S.N.	Month	NAME OF THE LESSONS	Enrichment activity	Periods	weightage
1.	April	Nature and Purpose of Business <ul style="list-style-type: none"> History of Commerce in India: Indigenous Banking System, Rise of Intermediaries, Transport, Trading Communities: Merchant Corporations, Major Trade Centres, Major Imports and Exports, Position of Indian Sub-Continent in the World Economy Business -Concept : Concept includes meaning and features Business, profession and employment-Concept Objectives of business Classification of business activities - Industry and Commerce Industry-types: primary, secondary, tertiary Meaning and subgroups 	Group discussion	18	16
2.	May	Nature and Purpose of Business contd. <ul style="list-style-type: none"> Commerce-trade: (types-internal, external; wholesale and retail) and auxiliaries to trade; (banking, insurance, transportation, warehousing, communication, and advertising) – meaning Business risk-Concept Forms of Business Organisations Revision for PT1	Individual activity PPT	10 24	
3.	July	Public, Private and Global Enterprises Business Services <ul style="list-style-type: none"> Business services and its types - Meaning. Banking: Types of bank accounts- savings, current, recurring, fixed deposit and multiple option deposit account. Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking meaning, Types of digital payments 	Project Activity	18 18	
					14

4.	August	Business Services contd. <ul style="list-style-type: none"> Insurance-: Principles, Types –life, health, fire and marine insurance –concept Postal Service-Mail, Registered Post, Parcel, SpeedPost, Courier-meaning Emerging Modes of Business		08	
				10	
				12	10
		Social Responsibility of Business and Business ethics			
5.	September	Revision for Half yearly			
6.	OCTOBER	Sources of Business Finance <ul style="list-style-type: none"> Concept of business finance Owners' funds- equity shares, preferences share, retained earnings, Global Depository receipt (GDR), American Depository Receipt (ADR) and International Depository Receipt (IDR) – concept 	Individual Activity- collect information about source of finance	30	
7.	NOV	Sources of Business Finance contd. <ul style="list-style-type: none"> Borrowed funds: debentures and bonds, Loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD). Small Business		6	
				16	
8.	DEC	Internal Trade <ul style="list-style-type: none"> Internal trade - meaning and types services rendered by a wholesaler and a retailer GST (Goods and Services Tax): Concept and key-features Types of retail-trade-Itinerant and small scale fixedshops retailers Large scale retailers-Departmental stores, chainstores - concept Concept of automatic vending machine 		20	
					20
9.	JANUARY	Internal Trade contd. <ul style="list-style-type: none"> Main documents used in internal trade: Performa invoice, invoice, debit note, credit note. Lorry receipt(LR) and Railways Receipt (RR). Terms of Trade: Cash on Delivery (COD), Free onBoard (FOB), Cost, Insurance and Freight (CIF), Errors and Omissions Excepted (E&OE). International Business	Individual Activity Collect Document	10	
				14	
10.	FEBRUARY	Revision and Project Work			20

Yearly Syllabus (2023-24)

Subject-Political science

Class- XI D

Month	Chapter/ Topic	Enrichment Activity	No of Period	Weightage of the Chapter
April- May	1.Constitution 2.Political theory 3.Freedom	Individual Activity - 1.Make a chart on Preamble. 2. Go through the News for the going week and present any case wherein violation of freedom took place.	12 8 12	12 4 5
July	1.Election and representation 2.Legislature	Group Activity - Hold mock election in your class to elect four representative.	12 16	5 5
August	1.Equality 2. Executive	Debate- Topic - Reservation	12 16	5 4
October	1.Justice 2. Judiciary	Individual Activity. Make a PowerPoint presentation on any high profile case like Ayodhya verdict.	14 16	4 4
November	1.Federalism 2. Rights	Individual Activity- Debate on the topic Ethunasia	14 14	5 4

December	1. Local government 2. Citizenship	Individual Activity- Find out about 5 prominent Indian personalities who do not have Indian Citizenship. Also find out about the conditions to acquire US citizenship.	12 12	5 5
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January	1. Nationalism 2. Secularism	Group Activity - Present a skit reflecting the idea of secularism or nationalism	16 18	4 8
During Summer Vacation	Project Work		25	20
	Total			100

Delhi Public School,
Shaheedpath
Yearly Syllabus (2023-24)
Subject- Physical
Education
Class-
XI
Section- ABCD

Month	Unit/ Name	Enrichment Activity	No of Period	Weightage of the Chapter
April- May	Unit 1- Changing Trends & Career in Physical Education Unit 2: Olympis	Group discussion and assignment on different career option in physical education. Assignment on history of Olympic Paralympic and special Olympics	20+25=45	8+5=13
July/ August	Unit- 3 Yoga Unit- 4 Physical Education and sports for CWSN Unit- 5 Physical Fitness, Health and wellness	Group Activity – performing different yogasanas - Group discussion on health and factor affecting health in modern lifestyle	18+ 24+22=64	5+7+5=17
October	Unit-6 Test, Measurements & Evaluation Unit -7 Fundamental of Anatomy, Physiology in Sports	Group discussion on classification of test in physical education and sports. Group discussion on classification of bones and joints	10+20= 30	5+8=13

November/December	Unit - 8 Fundamental of Kinesiology and Biomechanics in Sports Unit -9 Psychology & Sports Unit -10 Training and Doping in Sports	Group Discussion on Types of Body Movements- Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation Group Discussion on Application of Psychology Group Discussion on Different Methods of Training in Sports	18+24+22=64	10+7+10=27
January	Practical & Revision	Practical (SAI Khelo India Fitness Test) Proficiency in Games and Sports (Skill of any one IOA recognised Sports / Game of Choice) Yogic Practices	10 + 22	30
	Total			100

Yearly Syllabus (2023-24)
Subject-History
Class- XI

Month	Chapter/ Topic	Enrichment Activity	No of Period	Weightage of the Chapter
April- May	Writing and City Life	Individual Activity Lap Book- Collect information on Mesopotamian Civilization and make a lap book	22	10
July	An Empire Across the Three Continents	Group Activity Newsletter- create a newspaper for ancient Rome	22	10
August	Nomadic Empire	Group Activity Collage Making- Collect information about the various tribes found in our country and make a collage. Select any of the two tribes and describe about them in a paragraph.	25	10
October	The Three Orders	Individual Activity Compare and Contrast (Janus Figures)- Compare and write the difference between Feudalism in Europe and Caste System in India.	22	10
November	Changing Cultural Traditions	Historical Field Trip- A trip to the historical places in Lucknow along with the answering of the relevant worksheet related to the trip.	22	10
December	Displacing Indigenous People	Individual Activity Audio Listening Activity- An audio will be played of a rough face girl after that students will be asked to draw a venn diagram comparing between Cinderella and the rough face girl	22	10

January	Path to Modernisation	Individual Activity Power Point Presentation- Make a PPT and demonstrate on Meiji Restoration in the class	22	15
Along with the chapters	Map work of the related themes			5
During Summer Vacation	Project Work		25	20
	Total			100

YEARLY SYLLABUS(2023-24)
CLASS- XI
SUBJECT- ENGLISH CORE (301)

MONTH	CHAPTERS / TOPICS	ACTIVITY	NO. OF PERIODS
APRIL	HORNBILL Ch 1. The Portrait of a Lady Poem- A Photograph SNAPSHOTS Ch1. The Summer of The Beautiful White Horse WRITING SKILLS- Poster Making GRAMMAR Tense	<ul style="list-style-type: none"> • Make a web chart depicting the character of Khushwant Singh's grandmother. • Brainstorming session based on visual input. • Poster Making 	20
MAY	HORNBILL Ch 2. We are Not Afraid to Die..... SNAPSHOTS Ch2 The Address GRAMMAR Tenses	<ul style="list-style-type: none"> • Make a list of 8 nautical terms used in the voyage. • Oral Comprehension 	18
JULY	HORNBILL Ch3- Discovering Tut : The Saga Continues Poem-The Laburnum Top SNAPSHOTS Ch 5. Mother's Day WRITING SKILLS- Classified Advertisements GRAMMAR Sentence Transformation	<ul style="list-style-type: none"> • Collect information about the new findings related to the mystery of king Tut's death. • Role-play 	22
AUGUST	HORNBILL Ch 7 The Adventure Poem-Childhood WRITING SKILLS Speech Writing GRAMMAR Gap Filling & Sentence reordering	<ul style="list-style-type: none"> • Read any science fiction story of genre 'Time Travel' and discuss it in class . • Deliver a speech on the given topic .(speaking activity) 	20

SEPTEMBER	Revision of the chapters and grammar topics	ASL	10
OCTOBER	HORNBILL Ch 8 Silk Road Poem- Father to Son SNAPSHOTS Ch 7-Birth WRITING SKILLS- Debate Writing GRAMMAR Gap Filling	<ul style="list-style-type: none"> • Story narration. • Analysis of the poem • Make use of important expressions used in the text. 	20
NOVEMBER	SNAPSHOTS Ch 10- Poem-The Tale of Melon City READING Note-Making WRITING SKILLS- Debate Writing GRAMMAR Gap Filling & Sentence Transformation	<ul style="list-style-type: none"> • Debate on the given topic (group activity) 	15
DECEMBER	READING <ul style="list-style-type: none"> • Note-Making • Revision of the chapters and topics 	ASL	10

WEIGHTAGE

SECTION	COMPETENCIES	TOTAL MARKS
READING SKILLS	Conceptual understanding, decoding, analysing, appreciating interpreting inferring, and summarizing using appropriate format.	26
CREATIVE WRITING SKILLS	Conceptual understanding, application of rules, analysis, reasoning appropriative style, and tone using appropriate format and fluency.	23
LITERATURE	Recalling, reasoning, appreciating literary convention, analysis, creativity with fluency and critical thinking.	31
	TOTAL	80
	ASL (Assessment of speaking & listening)	10
	INTERNAL ASSESSMENT <ul style="list-style-type: none">• Listening• Speaking• Project Work	5 5 10
	GRAND TOTAL	20

Delhi Public School, Shaheedpath
Computer Science (083)
Class-XI
Syllabus 2023-24

Month	Chapter Name	Activity/Practical	No. of Periods	Weightage
April	Computer System Overview Data Representation	Information Collection from google and presentation based on chapter.	15	5
May	Introduction to Problem solving	Presentation making for this to show logical thinking.	15	4
July	Getting Started with Python Python Fundamentals	Installing multiple editor like VS code, anaconda Editor or Jupiter Notebook. And work on them.	15	5
August	Data Handlings Flow of control	Working on programs. Students will work on basic programs to understand the basic concept of Python.	20	15
September				
October	String Manipulation	Program Based on Strings.	50	15
November	List Manipulation	Programs	50	10
December	Tuples Dictionaries	Programs	30	16
January	Dictionary(Continue)	Programs	50	
February				
Project		Based On Python		5
Practical File		Based on Python programs		5
Viva		Based on chapter.		5
Practical Exam				15
				100

SPLIT-UP SYLLABUS**SESSION 2023-24****CLASS: XI****SUBJECT: ACCOUNTANCY (055)**

S. N.	Month	NAME OF THE LESSONS	Enrichment Activity	Periods (Tentative)	weightage
1	April	*Introduction to Accounting *Theory Base of Accounting Recording of Business Transactions		22	12
2	May	*Recording of Business Transactions <ul style="list-style-type: none"> Voucher and Transactions: Source documents and Vouchers, Preparation of Vouchers, Accounting Equation Approach: Meaning and Analysis, Rules of Debit and Credit. Recording of Transactions: Books of Original Entry- <ul style="list-style-type: none"> Journal Special Purpose books: <ul style="list-style-type: none"> Cash Book: Simple, cash book with bank column and petty cashbook Purchases book Sales book Purchases return book Sales return book Note: Including simple GST calculations Revision work for PT 1	Individual Activity: collect source of accounting information	30	44
3	July	*Recording of Business Transactions contd. <ul style="list-style-type: none"> Ledger: Format, Posting from journal and subsidiary books, Balancing of accounts *Bank Reconciliation Statement *Depreciation, Provisions and Reserves	Activity reconcile bank statement with cash book	30	
4	Augues	Depreciation, Provisions		25	

	t	and Reserves Contd. Trial balance and Rectification of Errors <ul style="list-style-type: none"> • Trial balance: objectives and preparation (Scope: <i>Trial balance with balance method only</i>) • Errors: types-errors of omission, commission, principles, and compensating; their effect on Trial Balance. • Detection and rectification of errors; preparation of suspense account 			
5	September	<ul style="list-style-type: none"> • Revision work for half yearly exam 			
6	October & November	Financial Statements <ul style="list-style-type: none"> • Receipts and Expenditure: Revenue receipts and capital receipts. Capital expenditure, Revenue expenditure and deferred expenditure • Objective and Importance. • Trading and Profit and Loss Account: Gross Profit, Operating profit and net profit. Preparation. • Balance Sheet: need, grouping and marshalling of assets and liabilities. Preparation. • Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on 		25 + 24	24

		debtors, Abnormal loss, Goods taken for personal use/staff welfare, interest on capital and managers commission.			
7	Dec & Jan	Financial Statements contd. Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments. *Project work	Project work base activity	36	
					20
					100