



DAV PUBLIC SCHOOL, HEHAL, RANCHI
MONTHWISE SYLLABUS (Session 2026-27)
SUBJECT: ENGLISH (301)
CLASS-XII
FULL MARKS: 80

Month	Flamingo		Vistas	Writing Skill
	Prose	Poetry		
April	<ul style="list-style-type: none"> The Last Lesson 	<ul style="list-style-type: none"> My Mother at Sixty-Six 	<ul style="list-style-type: none"> The Third Level 	<ul style="list-style-type: none"> Notice Writing Letter for Job Application
May	<ul style="list-style-type: none"> Lost Spring 	<ul style="list-style-type: none"> Keeping Quiet	.....	.....
June	.....	.....	<ul style="list-style-type: none"> The Tiger King 	<ul style="list-style-type: none"> Invitation and Reply
July	<ul style="list-style-type: none"> Deep Water The Rattrap 	<ul style="list-style-type: none"> A Thing of Beauty 	<ul style="list-style-type: none"> Journey to the End of the Earth 	<ul style="list-style-type: none"> Letter to the Editor Article Writing
August	<ul style="list-style-type: none"> Indigo 	<ul style="list-style-type: none"> A Roadside Stand 	<ul style="list-style-type: none"> The Enemy 	<ul style="list-style-type: none"> Report Writing
Aug-Sep	First Terminal Examination -2026			
September	<ul style="list-style-type: none"> Poets and Pancakes	.....	<ul style="list-style-type: none"> On the Face of It	.....
October	<ul style="list-style-type: none"> The Interview 	<ul style="list-style-type: none"> Aunt Jennifer's Tigers	.....	.....
November	<ul style="list-style-type: none"> Going Places	.....	<ul style="list-style-type: none"> Memories of Childhood	.....
December	Revision Pre-Board 1			
January	Revision Pre-Board 2			



DAV PUBLIC SCHOOL, HEHAL, RANCHI

Month wise Syllabus (2026-27)

Class: XII

Subject: Physics (042)

Full Marks: 70

Month	Lesson/s to be covered (if partly covered, till where?)
April	Chapter–1: Electric Charges and Fields Chapter–2: Electrostatic Potential and Capacitance
May/June	Chapter–3: Current Electricity
July	Chapter–4: Moving Charges and Magnetism Chapter–5: Magnetism and Matter
August	Chapter–6: Electromagnetic Induction Chapter–7: Alternating Current Chapter–8: Electromagnetic Waves
August & September	Revision: Half Yearly Examination
October	Chapter–9: Ray Optics and Optical Instruments Chapter–10: Wave Optics Chapter–11: Dual Nature of Radiation and Matter
November	Chapter–12: Atoms Chapter–13: Nuclei Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits
December	Revision Pre- Board 1
January	Revision Pre-Board 2



DAV PUBLIC SCHOOL, HEHAL, RANCHI

Month wise Syllabus (2026-27)

Class: XII

Subject: Chemistry (043)

Full Marks: 70

Month	Content
March+April	Solutions
April	Solutions, Electrochemistry
April+May	Electrochemistry , Chemical Kinetics
May	d & f block elements
June	d & f block elements ,Coordination compounds
June + July	Haloalkanes and Haloarenes
July	Alcohols, Phenols and Ethers
August	Aldehydes, Ketones and Carboxylic acids
	Half Yearly Examination
August + Sept.	Amines ,Biomolecules
Sept.	Biomolecules
October	Revision



DAV PUBLIC SCHOOL HEHAL, RANCHI

Month wise syllabus (2026-27)

Subject: Mathematics (041)

Class: XII

Full Marks:80

SL No.	Month	Name of the Chapters
1	April	Matrices Determinants Relations Functions
2	May	Inverse Trigonometric Functions
3	June	Linear Programming Problems
4	UNIT TEST- 1 July	Syllabus : April and May Vectors Three Dimensional Geometry (straight lines) Probability
5	Aug	Differentiation Application of Derivatives Syllabus : June – August Half Yearly Examination
6	September	Integration (indefinite and Definite Integrals) continued
7	October	Integration (indefinite and Definite Integrals)
8	November	Differential Equations Syllabus covered by 30 th November 2026
10	Pre – board 1	Syllabus – whole Syllabus
11	Pre – board 2	Syllabus : whole syllabus



DAV PUBLIC SCHOOL, HEHAL, RANCHI
CLASS XII (SESSION 2026-2027)
MONTHWISE SYLLABUS

SUBJECT: BIOLOGY (044)

MARKS: 70

MONTH	CHAPTER'S NAME
March	<ul style="list-style-type: none">Sexual reproduction in flowering plants
April	<ul style="list-style-type: none">Human ReproductionReproductive HealthPrinciple of Inheritance and Variation
May - June	<ul style="list-style-type: none">Principles of Inheritance and VariationMolecular basis of inheritance
July	<ul style="list-style-type: none">EvolutionHuman Health and disease
August	<ul style="list-style-type: none">Microbes in Human welfare
	Half Yearly Examination
September	<ul style="list-style-type: none">Biotechnology Principles and ProcessesBiotechnology and its Applications
October	<ul style="list-style-type: none">Organisms and PopulationsEcosystem
November	<ul style="list-style-type: none">Biodiversity and Conservation

Weightage of Half yearly

Reproduction (Chapter 1 to 4)	22 marks
Genetics and Evolution	30 marks
<u>Human Health and Disease</u>	18 marks
Total	70 marks

Weightage of Preboards

Reproduction (Chapter 1 to 4)	14 marks
Genetics and Evolution	18 marks
Human Health and Disease	14 marks
Biotechnology	10 marks
<u>Ecology and Environment</u>	14 marks
Total	70 marks



DAV PUBLIC SCHOOL, HEHAL, RANCHI

MONTH WISE SYLLABUS (Session 2026-27)

COMPUTER SCIENCE WITH PYTHON (083)

CLASS-XII

FULL MARKS:70

MONTH	PORTION
APRIL	<p>Revision of Python</p> <ul style="list-style-type: none">• Revision of Python topics covered in Class XI. <p>User Defined functions in Python</p> <ul style="list-style-type: none">• Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function
MAY	<p>User Defined functions in Python Contd.</p> <ul style="list-style-type: none">• Arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)
JUNE	<p>File handling in Python</p> <ul style="list-style-type: none">• Introduction to files, types of files (Text, Binary, CSV), relative and absolute paths• Text file: opening, text file modes (r, r+, w, w+, a, a+), closing a text file, opening file using with clause, writing/appending data using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file
JULY	<p>File handling in Python Contd.</p> <ul style="list-style-type: none">• Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file• CSV file: import csv module, open / close csv file, write into a csv file using csv.writer() and read from a csv file using csv.reader()
AUGUST	<p>Data Structure in Python</p> <ul style="list-style-type: none">• Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.• Implementation of stacks for performing PUSH, POP, PEEK and display operation Learning skills – Implementing LIFO data structure <p>Exception Handling: Introduction, handling exceptions using try-except-finally blocks</p>
SEPTEMBER	<p>Database Management</p> <ul style="list-style-type: none">• Database concepts: introduction to database concepts• Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate, primary, alternate, foreign, composite)• SQL: Introduction, DDL :data Types, constraints(not null, unique, primary key), create database, use database, show database, drop database, show tables, create table, describe table, alter table• (add & remove an attribute, add & remove primary key), drop table .
OCTOBER	<p>Database Continues.....</p> <p>DML Commands : insert, update, delete, select, operators (mathematical, relational and logical), aliasing, distinct, where clause, in, between, order by, meaning of null, is null, is not null, like update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: Cartesian product on two tables, equi-join and natural join</p>

Computer Networks

OCTOBER

- **Evolution of networking: computer networks, evolution of networking (ARPANET,NSFNET, INTERNET)**
- **Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuitswitching, Packet switching)**
- **Transmission media: Wired media (Twisted pair, Co-axial, Fiber optic), Wireless media (Radio waves, Micro waves, Infrared waves)**
- **Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card)**
- **Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree)**
- **Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP**
Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting

NOVEMBER

Python MySQL Connectivity

- **Interface of python with an SQL database: connecting SQL with Python, performing insert, update,delete queries using cursor, display data by using fetchone(), fetchall(), rowcount, creating database connectivity applications**

DECEMBER

Revision+ Project

&

Practical Exam & Pre-Board Examination

JANUARY



DAV PUBLIC SCHOOL, HEHAL, RANCHI

MONTH WISE SYLLABUS (Session: 2026-27)

SUBJECT: INFORMATICS PRACTICES (065)

Class: XII

FULL MARKS: 70

Month	Topics to be covered
April	Revision of the basics of Python covered in class XI Unit 1: Data Handling using Pandas -I Introduction to Python libraries- Pandas Data structures in Pandas - Series and Data Frames. Series: Creation of Series from – ndarray, dictionary, scalar value; mathematical operations; Head and Tail functions; Selection, Indexing and Slicing.
May	Unit 1: Data Handling using Pandas -I Data Frames: creation - from dictionary of Series, list of dictionaries, Text/CSV files; display; iteration;
Jun	Operations on rows and columns: add, select, delete, rename; Head and Tail functions; Indexing using Labels, Boolean Indexing; Joining, Merging and Concatenation. Importing/Exporting Data between CSV files and Data Frames. Data handling using Pandas – II Descriptive Statistics: max, min, count, sum, mean, median, mode, quartile, Standard deviation, variance.
July	Unit 1: Data handling using Pandas – II Data Frame operations: Sorting, Deleting and Renaming Index. Handling missing values – dropping and filling. Data Visualization Introduction to Python libraries- Matplotlib. Purpose of plotting; drawing and saving following types of plots using Matplotlib – line plot, bar graph, histogram, pie chart, frequency polygon, box plot and scatter plot. Customizing plots: color, style (dashed, dotted), width; adding label, title, and legend in plots.
August	Revision of MySql covered in Class XI Unit 2: Database Query using SQL Math functions: POWER (), ROUND (), MOD (). Text functions: UCASE ()/UPPER (), LCASE ()/LOWER (), MID ()/SUBSTRING ()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM (). Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME (). Unit 2: Database Query using SQL Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*). Querying and manipulating data using Group by, Having, Order by. Working with two tables using equi-join

September **Revision + Practical Exam. & Half-Yearly Examination**

October **Unit 3: Introduction to Computer Networks**
Introduction to networks, Types of network: LAN, MAN, WAN. Network Devices: modem, hub, switch, repeater, router, gateway Network Topologies: Star, Bus, Tree, Mesh.
Introduction to Internet, URL, WWW and its applications- Web, email, Chat, VoIP. Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website.
Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.

Unit 4: Societal Impacts
Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS), cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act. E-waste: hazards and management.
Awareness about health concerns related to the usage of technology.

November **Revision of Data handling using Pandas**

December & January **Revision+ Project
Practical Exam & Pre-Board Examination**



DAV PUBLIC SCHOOL, HEHAL, RANCHI

MONTH WISE SYLLABUS (SESSION: 2026-27)

CLASS – XII

FULL MARKS : 80

SUBJECT: ECONOMICS (030)

Month	Chapter/Sub-Topics	Key Terms and Concept
April 2026	<p>Unit 1: National Income and Related Aggregates National Income and Related Aggregates : What is Macroeconomics? Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation, Circular flow of income (two sector model); and Welfare</p> <p>PART-B Indian economy on the eve of independence</p>	<p>Gross Domestic Product (GDP) –Gross National Product (GNP) –Net National Product (NNP) National Income (NI), Personal Income (PI) –Disposable Income (DI) Consumption Expenditure – Investment Expenditure Government Expenditure Net Exports (X-M)</p>
May 2026	<p>PART-A Unit -1: Methods of calculating National Income – Value Added or Product method, Expenditure method, Income method, Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP) - at market price, at factor cost Real and Nominal GDP, GDP</p> <p>PART-B Indian economy 1950-1990- Introduction and the goals of 5 year plans.</p>	<p>Nehruvian socialism Five-Year Plans:, License Raj:, Green Revolution:, Import substitution industrialization</p>
June 2026	<p>PART B Indian economic system and common goals of Five Year Plans, Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), Industry (IPR 1956; SSI –role &importance) and foreign trade.</p> <p>PART-A Unit 2: Money and Banking Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt, Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement</p>	<p>Money Supply Currency:, Central Bank Reserve Requirements Fractional Reserve Banking Monetary Policy: Interest Rates, Inflation: Deflation Commercial Banks Credit Creation</p>
July 2026	<p>PART-B Economic Reforms since 1991: Features and appraisals of liberalisation, globalisation and privatisation (LPG policy); Concepts of demonetization and GST</p> <p>PART-A UNIT: 3 Determination of Income and Employment Aggregate demand and its components, Propensity to consume and propensity to save (average and marginal), Short-run equilibrium output.</p>	<p>Liberalization:, Privatization, Globalization:, Foreign Direct Investment (FDI)</p> <p>Disposable Income -, Consumption, Investment -, Government Spending</p>

August 2026	<p>PART-A Investment multiplier and its mechanism , Meaning of full employment and involuntary unemployment, Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply</p> <p>PART-B Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education</p>	<p>Aggregate Demand Aggregate Supply, Inflation, Unemployment -, Multiplier Effect Fiscal Policy Monetary Policy - Business Cycle</p> <p>Income inequality: Slow economic growth;</p>
Half Yearly Examination		
September 2026	<p>PART-B Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming</p>	Agricultural distress
October 2026	<p>PART-A Unit 4: Government Budget and the Economy Government budget - meaning, objectives and components, Classification of receipts - revenue receipts and capital receipts; Classification of expenditure –revenue expenditure and capital expenditure, Balanced, Surplus and Deficit Budget –measures of government deficit</p> <p>PART-B Employment: Growth and changes in work force participation rate in formal and informal sectors</p> <p>Project Work based as per CBSE Guidelines</p>	<p>Government Budget Fiscal Policy: Monetary Policy:, Deficit: Debt:, Inflation: Gross Domestic Product (GDP, Taxation, Public Goods: Crowding Out: Multiplier Effect:, Automatic Stabilizers</p>
November 2026	<p>PART-B Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming</p> <p>Unit 8: Development Experience of India: A comparison with neighbours India and Pakistan India and China Issues: economic growth, population, sectoral development and other Human Development Indicators</p> <p>PART-A UNIT 5 Balance of Payments Balance of payments account - meaning and components; Balance of payments –Surplus and Deficit Foreign exchange rate - meaning of fixed and flexible rates and managed floating, Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate, Managed Floating exchange rate system</p>	<p>Environmental degradation: Geopolitical tensions</p> <p>Demographic profile liberalization, and globalization Human Development Indicators GLF proletarian Cultural campaign</p> <p>Current Account: Capital Account: Financial Account: direct investment, portfolio investment, and other investments, Trade Balance: Current Account Balance: Capital Account Balance: Financial Account Balance: Balance of Payments Surplus/Deficit:</p>
December 2026	REVISION	



DAV PUBLIC SCHOOL, HEHAL, RANCHI

Month wise break up Syllabus (2026-27)

Subject: Fine Art (049)

MONTH	THEORY TOPICS	PRACTICAL TOPICS
APRIL	Introduction to Indian Miniature Painting, Rajasthani School (Mewar, Bundi, Kishangarh, Jaipur), key features & artworks	Basic sketching, object drawing, line practice
MAY-JUNE	Pahari School (Basohli, Kangra, Guler), comparison with Rajasthani	Still life drawing, shading techniques Nature study, landscape sketches
JULY	Mughal School of Painting (features, artists, artworks)	Imaginative composition (theme- based)
AUGUST	•Deccan School of Painting, comparison with Mughal •Bengal School of Art (Rabindranath Tagore, Nandalal Bose)	Composition using color (watercolour /poster color) Portrait sketching, human figures
AUG & SEP	Half Yearly	Examination
OCTOBER	Modern Indian Art (Jamini Roy, Amrita Sher-Gil)	Creative composition, mixed media work
NOVEMBER (Till 15 th Nov)	Contemporary Indian Art, installations, new media	Experimental art, texture work Final composition practice, portfolio completion
NOVEMBER (Last week)	First Pre Board	Examination
DECEMBER	Second Pre Board	Examination
JANUARY	Revision from Sample	Paper
FEBRUARY	BOARD	EXAMINATION



DAV PUBLIC SCHOOL, HEHAL, RANCHI

MONTH WISE SYLLABUS (Session: 2026-27)

CLASS: XII

SUBJECT: PHYSICAL EDUCATION (048)

FULL MARKS: 70

S.No	MONTH	NAME OF THE CHAPTER	NAME OF THE TOPICS
1	APRIL	UNIT 1. Management of Sporting Events UNIT 2. Children & Women in Sports	1. Functions of sports management, committees, fixtures, Intramural & Extramural tournaments. Community sports program. 2. Exercise guidelines, postural deformities, women's participation, Special consideration, Female athlete triad .
2	MAY JUNE	UNIT 3. Yoga as Preventive measure for Lifestyle Disease. UNIT 4. Physical Education & Sports for (CWSN).	1. Asanas for obesity, diabetes, asthma, hypertension, back pain. 2. Organization s promoting Disability Sports, Concept of Classification and Divisioning in Sports, Concept of Inclusion in sports, its need, and Implementation, Advantages of Physical Activities for children with special needs, Strategies to make Physical Activities assessable for children with special needs.
3	JULY AUG	UNIT 5. Sports & Nutrition. UNIT 6. Test & Measurement in Sports.	1. Balanced diet, macro/micronutrients, Eating for Weight control, food myths, diet for performance. 2. Fitness tests-Khelo India, Rikli & Jones, Measurement of CardioVascular Fitness – Harvard StepTest, Computing Basal Metabolic Rate (BMR), Johnsen – Methney Test of Motor Educability.
4	SEP- OCT	UNIT 7. Physiology and Injuries in Sports. UNIT 8. Biomechanics and Sports. UNIT 9. Psychology & Sport.	1. Physiological factors determining components of physical fitness, Effect of exercise on the Muscular System, Effect of exercise on the CardioRespiratory System, Physiological changes due to aging, Sports injuries. 2. Newton’s Law of Motion & its application in sports, Types of Levers and their application in Sports, Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports, Friction & Sports, Projectile in Sports. 3. Personality its definition & types (Jung Classification & Big Five Theory) Motivation, its type & techniques, Exercise Adherence: Reasons, Benefits & Strategies for Enhancing it Meaning, Concept & Types of Aggressions in Sports Psychological Attributes in Sports – Self Esteem, Mental Imagery, Self Talk, Goal Setting.

5 NOV

UNIT 10. Training in Sports.

1. Concept of Talent Identification and Talent Development in Sports, Introduction to Sports Training Cycle, Types & Methods to Develop Strength, Endurance, and Speed. Types & Methods to Develop – Flexibility and Coordinative Ability.
Circuit Training - Introduction & its importance