



GATEWAY

INTERNATIONAL SCHOOL



ANNUAL LEARNING PROGRESSION Grade-XII

Science

Session 2026-27



GATEWAY INTERNATIONAL SCHOOL

Month-wise Syllabus for English for Session (2026-2027)

Class-XII

Sr. No.	Month	Sr. No.	Activities	SYLLABUS Cyclic Test /Half yearly/Yearly
1	April	Book:- CH. No: SEC A: - Unseen Passages WRITING SKILL: Applications and letters Notices FLAMINGO: CH:1: The Last Lesson, POEM:1: My Mother at 66 VISTAS- CH:1: The Third Level.	CREATIVE WRITING -NOTICE ART WORK PROJECT ON VALUES OF THE LAST LESSON PRESENTATION ON THE LIST OF POETIC DEVICES (MOTHER AT 66) SHOWCASING MOVIE CLIPS BASED ON THE RELATED PSYCHOLOGICAL PIECES (THE SHUTTER ISLAND, A BEAUTIFUL MIND, THE NOTEBOOK ETC) CREATING COLORFUL DIARY ENTRY ON THE THEME STATEMENT OF THE CHAPTER (WRITEAS LOUISA/ CHARLIE)	
2	May	Book:- CH. No : FLAMINGO- CH:2: Lost Spring, POEM:2: Keeping Quiet VISTAS CH:3: Tiger King Writing Letter to the Editor Article writing	CREATIVE WRITING ACTIVITIES DESIGNING ARTICLES TESTING THE REAL LIFE SKILLS OF THE CHILDREN RELATED TO THE TOPICS IN VOGUE. GD- ISSUES OF LOST SPRING PRESENTATION OF THE LIST OF POETIC DEVICES (KEEPING QUIET) MOTIVATIONAL QUOTE CHART	IA-1 Syllabus Book:-

3	July	Book:- CH. No : WRITING SKILL Formal invitation and replies, Job Applications FLAMINGO CH 4: Deep water,Rattrap, POEM 3: A Thing of Beauty	CREATIVE WRITING ACTIVITIES DESIGNING JOB APPLICATIONS TIME LINE STATEMENT PRESENTATION OF THE SERIES OF INCIDENTS AS A FLOW CHART (AS NARRATED IN THE CHAPTER.) (INDIGO) POETIC DEVICE CHART (A THING OF BEAUTY)	Revision Test :
4	August	Book:- CH. No : WRITING SKILL: Invitation and Replies Listening Activity FLAMINGO: CH 5: Indigo POEM 4: A Roadside Stand VISTAS- CH:5: The Enemy,On the Face of It	ASL ACTIVITIES READING AND LISTENING SKILLS CREATIVE WRITING ACTIVITIES DESIGNING INVITATIONS AND REPLIES. PREPARING VALUE STATEMENT CARD (ON THE FACE OF IT) POETIC DEVICE CHART (A ROADSIDE STAND) CLASS PRESENTATION- CHARACTER ANALYSIS (THE RATTRAP)	<u>IA-II Syllabus</u> Book:-
5	September	Book:- CH. No : WRITING SKILL: Reports FLAMINGO: CH 6: Poets And Pancakes Research based Projects	CREATIVE PROJECT ON REPORT WRITING CONDUCTING A MOCK INTERVIEW SESSION POETIC DEVICE CHART MAKING (AUNT JENNIFER’S TIGERS) CREATIVE WRITING – WOMEN EMPOWERMENT (REFER AUNT JENNIFER’S TIGERS)	<u>Half-Yearly</u>

6	October	Book:- CH. No : WRITING SKILL: Reports FLAMINGO: CH:7: The Interview POEM 5: Aunt Jennifer's Tigers VISTAS- CH:6: Memories of the Childhood	ASL ACTIVITIES READING AND LISTENING SKILLS SPEECH SESSION- EXPECTATIONS OF ADOLESCENT FANTASY(based on Going Places)	Revision Test :
7	November	Book:- CH. No: Revision		<u>IA-III-Syllabus</u>
8	December	Book:- Revision		
9	January	Revision /(Annual Exams) Practical Examination	Class test /Final practical	Revision: Full syllabus
10	February	Revision (Annual Exams)	Class test	<u>Final Exam :</u> <u>Full syllabus</u>



GATEWAY

INTERNATIONAL SCHOOL

Month-wise Physics Syllabus for Session (2026-2027)

Class-XII

Sr. No.	Month	Topics/Chapters	Activities	SYLLABUS Cyclic Test /Half Yearly/Yearly
1	April	Book: NCERT, SL ARORA, PYQ Basic Math Ch.1: Unit and Measurement Ch.2: Motion in straight line	To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.	
2.	May	Book: NCERT, SL ARORA, PYQ Ch3: Motion in plane Ch.4: Law of motion Revision	To measure diameter of a given wire and thickness of a given sheet using screw gauge	IA-1 Syllabus Book: NCERT, SL ARORA, PYQ Ch.1: Unit and Measurement Ch.2: Motion in straight line
3.	July	Book: NCERT, SL ARORA, PYQ Ch.1: Unit and Measurement Ch.2: Motion in straight line Ch3: Motion in plane	To determine volume of an irregular lamina using screw gauge. Method and to find its figure of merit. To determine radius of curvature of a given spherical	Revision Test: Ch3: Motion in plane

			surface by a spherometer.	
4	August	Book: NCERT, SL ARORA, PYQ Ch.4: Law of motion Ch.5: Work. Energy and power Ch.6: System of particle and Rotational Motion Revision	<p>To find the weight of a given body using parallelogram law of vectors.</p> <p>Using a simple pendulum, plot its L-T² graph and use it to find the effective length of second's</p>	<u>IA-II Syllabus</u> Book: NCERT, SL ARORA, PYQ Ch.4: Law of motion Ch.5: Work. Energy and power
5	September	Book: NCERT, SL ARORA, PYQ Ch.7 Gravitation Ch.8 Mechanical Properties of solid Revision		<u>Half-Yearly</u> Book: NCERT, SL ARORA, PYQ Ch.1: Unit and Measurement Ch.2: Motion in straight line Ch.3: Motion in plane Ch.4: Law of motion Ch.5: Work. Energy and power Ch.6: System of particle and Rotational Motion Ch.7 Gravitation
6	October	Book: NCERT, SL ARORA, PYQ Ch.9 Mechanical properties fluid Ch.10 Thermal Properties of matter	<p>To determine Young's modulus of elasticity of the material of a given wire. To draw the I-V characteristic.</p> <p>To find the force constant of a helical spring by plotting a graph</p>	Revision Test : Ch.9 Mechanical properties fluid

			between load and extension.	
7	November	Book: NCERT, SL ARORA, PYQ Ch.11 Thermodynamics Ch.12 Kinetic Theory of gas Revision		<u>IA-III-Syllabus</u> Ch.10 Thermal Properties of matter Ch.11 Thermodynamics Ch.12 Kinetic Theory of gas
8	December	Book: NCERT, SL ARORA, PYQ Ch.13 Oscillations Ch.14 Wave		<u>Revision test</u> Ch.13 Oscillations Ch.14 Wave
9	January	Revision /(Annual Exams) Practical Examination	Class test /Final practical	Revision: Full syllabus
10	February	Revision (Annual Exams)	Class test and Pr	Final Exam :



GATEWAY INTERNATIONAL SCHOOL

Month-wise Psychology Syllabus for Session (2026-2027) Class-XII

Sr. No.	Month	Topic/Chapter	Activities	SYLLABUS Cyclic Test /Half Yearly/Yearly
1	April	CH.1 : Variations in Psychological Attributes	Practical: Intelligence Test Aptitude Test (verbal/non-verbal)	
2	May	CH. 2 : Self and Personality	Personality Assessment	IA-1 Syllabus CH.1 : Variations in Psychological Attributes CH.2 : Self and Personality
3	July	CH. 3 : Meeting Life Challenges	Stress Scale Coping Strategies	Revision Test : CH.1 : Variations in Psychological Attributes CH.2 : Self and Personality
4	August	CH. 4 : Psychological Disorders	Case Study (real or hypothetical)	IA-II Syllabus CH.3 : Meeting Life Challenges CH.4 : Psychological Disorders
5	September	CH. 5 : Therapeutic Approaches	Counselling Session (role play)	Half-Yearly CH. No1 : Variations in Psychological Attributes CH. 2 : Self and Personality CH. 3 : Meeting Life Challenges CH. 4 : Psychological Disorders CH. 5 : Therapeutic Approaches
6	October	CH. 6 : Attitude and Social Cognition	Attitude Scale (Likert scale on social issue)	Revision Test : CH. 4 : Psychological Disorders CH. 5 : Therapeutic Approaches
7	November	CH.7 : Social Influence and Group Processes	Experiment on Conformity / Group Behaviour	IA-III-Syllabus CH.6 : Attitude and Social Cognition CH.7 : Social Influence and Group Processes
8	December	Practical	Practical	Practical
9	January	Revision (Annual Exams) Practical Examination	Class test /Final practical	Revision: Full syllabus
10	February	Revision (Annual Exams)	Class test	Final Exam : <u>Full syllabus</u>



GATEWAY

INTERNATIONAL SCHOOL

Month wise Syllabus for Session (2026-2027)

Subject-Chemistry

Class-XII

Month	Topics/Chapters	Activities	Assessment
April	Ch-1: Solution Ch-2: Electrochemistry	P1 -Preparation of double salt of ferrous ammonium sulphate or potash alum. P2 -Preparation of potassium ferric oxalate. A1 -. “What’s in My Drink?” – Understanding Solutions A2 .- Lemon Battery (Mini Electrochemical Cell).	
May	Ch-2: Electrochemistry Ch-3: Chemical Kinetics	P3 -Preparation of any one of the following compounds:Acetanilide , pNitroacetanilide A3 . - Reaction Rate with Baking Soda and Vinegar A4 . - Paper Folding Analogy (For Rate Laws) A5 .- Oxidation state challenge	<u>IA-I Syllabus</u> Ch-1,2
July	Ch-4: d & f-block elements Ch. 5 : Coordination compounds	P4 - Determination of Concentration/Molarity of KMnO_4 Solution by Titrating it against a Standard Solution of Mohr salt P5 - To analyse the acid and basic radicals in given salt. A6 - Coordination Compound Scavenger Hunt Find examples of coordination compounds in real life. A7 - Students research and present real- life uses of haloalkanes / haloarenes	

August	Ch-6: Alkyl & Aryl Halides Ch-7: Alcohol, Phenol & Ether	P6- Determination of Concentration/Molarity of $KMnO_4$ Solution by Titration against a Standard Solution of oxalic acid P7- To analyse the acid and basic radicals in given salt. A8- Identify and classify compounds as alcohols, phenols, or ethers.	<u>IA-II Syllabus</u> Ch-3,4,5
September	Revision	P8- To analyse the functional group in given organic compound.	<u>Half Yearly Syllabus</u> Ch-1,2,3,4,5,6
October	Ch-8: Aldehyde, ketone & Acid Ch-9: Nitrogen containing Compounds Ch-10: Biomolecules	P9 -To analyse the given salt for acid and basic radical. P10 - To analyse the functional group in given organic compound A9- What's That Smell?" – Exploring Aldehydes, Ketones & Acids Help students identify and understand the presence of aldehydes, ketones, and carboxylic acids in daily life through familiar smells and uses	
November	Revision	P11 -To analyse the given salt for acid and basic radical. A8- I Quiz : "Guess the biomolecule in this food!" To design a balanced meal using knowledge of biomolecules A9- Investigatory Project	<u>PreBoard-1</u>
December	Revision	Revision	PreBoard -II
January	Revision and Practice for Practical Exam	Revision	
February	Revision (Annual Exams)		<u>Annual Examination Syllabus</u> Full Syllabus



GATEWAY INTERNATIONAL SCHOOL

Month-wise Syllabus for Session (2026-2027)

Class-XII

Subject- Biology

Sr. No.	Month	Topics/Chapters	Activities	SYLLABUS Cyclic Test /Half Yearly/Yearly
1	April	Ch-1 Reproduction in flowering plants	Pollen tube germination	-
2	May	Ch-2 Human reproduction Ch-3 Reproductive Health	T.S Testis T.S. Ovary T.S blastula, gastrula.	<u>IA-I Syllabus:</u> Ch-1,2,3
3	July	Ch- 4 Principles of Inheritance and Variation	Pedigree analysis for various genetic disorders Study of Mendelian characters	
4	August	Ch- 5 Molecular Basis of Inheritance Ch-6 Evolution Ch-7 Human Health and Diseases	Isolation of DNA from different sources Study specimens of different disease-causing MOs	<u>IA-II Syllabus:</u> Ch- 4,5,6

5	September	Revision	Quadrat Method to study population density and frequency.	<u>Half Yearly Syllabus:</u> Ch-1,2,3,4,5,6,7
6	October	Ch-8 Microbes in Human Welfare Ch-9 Biotechnology - Principles and processes Ch-10 Biotechnology and its Application	Spotting of different specimens	
7	November	Ch-11 Organisms and Populations Ch-12 Ecosystem Ch-13 Biodiversity and its Conservation	Investigatory Project	<u>Pre-Board-1</u> (Full Syllabus)
8	December	Revision and Practice for Practical Exam		<u>Pre-Board-2</u> <u>Full Syllabus</u>
9	January	Revision and BOARD Practical		<u>Pre-Board-2</u>
10.	February	Revision		



GATEWAY INTERNATIONAL SCHOOL

Monthwise Syllabus for Session (2026 - 2027)

Class - XII Subject - Mathematics (core)

Sr. No	Month	Topic	Activities in Maths lab records	IA /Half Yearly / Yearly
1	April	Ch-3 Matrices Ch-4 Determinants Ch-1 Relations & Functions (only relations)	1. To verify the properties of determinants using specific examples. "The determinant of A is equal to the determinant of its transpose"	
		Life skill activity	Understand one-to-one and onto functions through role-based mapping. e.g: matching people with jobs	
2.	May	Ch-1 Relations & Functions (continued)	2. To demonstrate a function which is one-one but not onto.	IA – I : Ch 1, 3, 4
		Ch-2 Inverse Trigonometric functions		
		Life skill activity	Understanding Continuity & Differentiation in Real Life. Plan your journey by design the best possible route,	
	June	Summer Break		
4.	July	Ch-5 Continuity & Differentiation Ch-6 Application of Derivatives	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 construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.	
		Life skill activity	Apply derivatives to solve real-life problems (e.g., maximizing profit, minimizing cost)	
5.	August	Ch-7 Integration Ch-8 App. of Integral	.	IA – 2: Ch 2, 5, 6

6.	September	Revision		Half yearly exam Ch1,2,3,4,5,6, 7,8
7.	October	Ch-9 Differential Equations Ch-10 Vector Calculus Ch-11 Three-dimensional geometry	5. To measure the shortest distance between two skew lines and verify it analytically. 6. 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	
		Life skill activity	Understanding Bayes' theorem by real life situation. Given your positive test result, what is the probability that you actually have the disease?	
8.	November	Ch-12 Linear Programming Ch-13 Probability		Pre board 1 (Full Syllabus)
9.	December	Revision	Complete syllabus	Pre board 2
10	January	Annual Practicals		
11.	February	Revision		Annual exam

GATEWAY INTERNATIONAL SCHOOL

Class-XII Subject- Computer Science Session-2026-27

S. No	Month	Content	Activity/Practical	Assessment
1	April	Ch-1 Python Revision Tour- I Ch-2 Python Revision Tour-II	Programs for lists, strings and dictionaries	
2	May	Ch-3 Working with Functions Ch-4 Exception Handling	Programs related to User Defined Functions & Exception Handling	<u>IA-I Syllabus:</u> Ch-1 Python Revision Tour Ch-2 Python Revision Tour-II Ch-3 Working with Functions
3	June		Practical file for Python	
4	July	Ch-5 File Handling Ch-10 Relational Databases	Programs for File Handling	
5	August	Ch-11 Simple Queries in SQL Ch-7 Data Structures	Programs for Stacks	<u>IA-II Syllabus:</u> Ch-3 Working with Functions Ch-4 Exception Handling Ch-5 File Handling(Text files)
6	September	Ch-8 Computer Networks-I	Practical File and Project File	<u>Half Yearly Syllabus- Theory & Practical –</u> Ch-1 Python Revision Tour Ch-2 Python Revision Tour-II Ch-3 Working with Functions Ch-4 Exception Handling Ch-5 File handling Ch-7 Data Structures-I Ch-10 Relational Databases Ch-11 Simple Queries in SQL
7	October	Ch-13 Grouping Records, Joins in SQL Ch – 14 Interface with SQL Ch-9 Computer Networks-II		
8	November	Ch-12 Table Creation and Data Manipulation Commands		<u>Pre-Board-1</u> (Full Syllabus)
9	December	Revision		<u>Pre-Board- 2</u> (Full Syllabus)



GATEWAY INTERNATIONAL SCHOOL

Month-wise Physical Education Syllabus for Session (2026-2027)

Class-XII

Sr. No.	Month	Topics/Chapters	Projects/Activities	SYLLABUS Cyclic Test /Half Yearly/Yearly
1	April	Ch 1: Management of Sporting Events Ch 2: Children & Women	Short notes Event planning Worksheet File intro	Class Test Ch 1: Management of Sporting Events Ch 2: Children & Women in Sports
2	May	Revision +Test Ch 3: Yoga as Preventive Measure	Demostration of yoga Yoga file	IA-I Syllabus Ch 1: Management of Sporting Events Ch 2: Children & Women in Sports
3	July	Ch 4: Physical Education & Sports for CWSN Ch 5: Sports & Nutrition	Assignment Group work Notes Nutrition file (Atheletics Intro.) Track and Field events	Class test Ch 1: Management of Sporting Events Ch 2: Children & Women in Sports Ch 3: Yoga as Preventive Measure Ch 4: Physical Education & Sports for CWSN

				Ch 5: Sports & Nutrition
4	August	Ch 6: Test & Measurement Ch 7: Physiology & Injuries	Fitness test Test record Practicle File (Test and Measurements) Demo First aid practice	<u>IA-II Syllabus</u> Ch 1: Management of Sporting Events Ch 2: Children & Women in Sports Ch 3: Yoga as Preventive Measure Ch 4: Physical Education & Sports for CWSN
5	September	REVISION Ch 8: Biomechanics & Sports	Assignment Movement basics Notes Practical File Game And Skill work	<u>Half-Yearly</u> Ch 1: Management of Sporting Events Ch 2: Children & Women in Sports Ch 3: Yoga as Preventive Measure Ch 4: Physical Education & Sports for CWSN Ch 5: Sports & Nutrition

6	October	Ch 9: Psychology & Sports Ch 10: Training in Sports	<ul style="list-style-type: none"> • Stress Management Activity • Goal Setting Activity • Motivation Activity • Practical/ Demonstrate of Training methods 	Class Test : Ch 6: Test & Measurement Ch 7: Physiology & Injuries Ch 8: Biomechanics & Sports Ch 9: Training Methods Ch 10: Training in Sports
7	November	Revision/ Pre-Board Practical Work	Practical files	<u>Pre-Board -I</u> Full Syllabus
8	December	Revision /Pre-Board	Class test	<u>Pre-Board -I</u> Full Syllabus
9	January	Revision / Practical Examination	Class test /Final practical	Pre-board II Full syllabus Final practical
10	February	Revision (Annual Exams)	Class test and Preboard	