



GATEWAY
INTERNATIONAL SCHOOL

GRADE X

ANNUAL LEARNING PROGRESSION





GATEWAY INTERNATIONAL SCHOOL

ANNUAL PLANNER

Session:2023-24

Class : X

Subject :Science

S.N.	Month	Unit/ Chapter/ Topic	SEA	Syllabus Cyclic Test /Half Yearly/ Annual
1	April	Chapter-10(Light-Reflectionand Refraction) Chapter-6(Life processes) Chapter-1(Cheical equationand reactions)	<p>Physics: Tracing the path of a ray of light passing through a rectangular glassslab for different angles of incidence.</p> <p>Measure the angle of incidence, angle ofrefraction, angle of emergence and interpret the result.</p> <p>Chemistry: Performing and observingfollowing reactions</p> <ul style="list-style-type: none"> Exothermic and endothermicreaction Combination reaction Decomposition reaction <p>Biology: Preparing a temporary mount of peel to show stomata and understand their distribution and functions</p>	-
2	May	Chapter-10(Light-Reflectionand Refraction. Chapter-6 (Life processes) Chapter-1(Cheical equationand reactions)	<p>Physics: Tracing the path of the rays oflight through a glass prism.</p> <p>Chemistry: Performing and observingfollowing reactions</p> <ul style="list-style-type: none"> Displacement reaction Double displacement reaction <p>Biology: Showing Experimentally thatCO₂ is given out during respiration.</p>	<p><u>CYCLIC TEST-I</u></p> <p><u>Syllabus</u></p> <p>Syllabus: Chapter- 10(Till Reflection) , Chapter-6(Till Digestive system), Ch.1 (Till Decomposition reaction)</p>
3	July	Chapter-11(Human Eye andColourful World). Chapter-7 (Control & Coordination) Chapter- 2 (Acid, base andsalt).	<p>Physics: Studying the dependence of potential difference (V) across a resistoron the current (I) passing through it anddetermine its resistance. Also plotting a graph between V and I.</p> <p>Chemistry: Studying the properties of acid and base on the basis of their</p>	

			reaction with zinc metal/ carbonates. Biology: To study the brain with a 3D model available in the laboratory.	
4	August	Chapter-11 (Human Eye and Colourful World). Chapter-8 (How do Organisms Reproduce) Ch.-2 (Acid, Base and Salt.) Chapter-3 (Metals and non-metals)	Physics: Determination of the equivalent resistance of two resistors when connected in series Chemistry: Finding the pH of some sample by using pH paper. Biology: Studying Binary fission in amoeba and budding in yeast formation through permanent slides under the microscope.	<u>CYCLIC TEST-II</u> <u>Syllabus</u> Ch - 10 (Refraction) ,11, 6, 7, 1 and 2 (Half)
5	Sept	Chapter-12 (Electricity) Chapter-9 (Heredity and Evolution) Chapter-3 (Metals and Non-metals)	Physics: Determination of the equivalent resistance of two resistors when connected in parallel. Chemistry: Observing the action of Zn, Fe, Cu on the salt solutions. Biology: Comparison of different organism's limbs and structure to understand Homology and Analogy of organs and Evolutionary trends.	<u>Half Yearly Syllabus</u> Chapter-10, 6, 1, 11, 7, 8, 2, 3
6	October	Chapter-12 (Electricity) Chapter-15 (Our environment) Ch. 4 (Carbon and its compounds)	Physics: Activities related to magnetic field due to current in solenoid Chemistry: Study the properties of Acetic acid Biology: Activities related to recycling, repurpose and refurbishing of articles from household and school	
7	November	Chapter-13 (Magnetic Effect of Electric Current) Ch. 4 (Carbon and its compound) Revision		<u>CYCLIC TEST-III</u> <u>Syllabus</u> Chapter-13, 9, 15 and 3
8	December	Chapter-13 (Magnetic Effect of Electric Current) Revision		Pre Board-1
9	January	Revision		Pre Board-2



GATEWAY INTERNATIONAL SCHOOL

ANNUAL PLANNER

Session: (2023-2024)

Class- X				Subject: Maths
S.No.	Month	Unit/ Chapter/Topic	Activity	Syllabus Cyclic Test/Half Yearly/Yearly
1	April	Ch. 1 Real Numbers	Geometric meaning of zeroes of quadratic polynomial (Activity No.-1.2)	Chapter Test
		Ch. 2 Polynomials		
2	May	Ch. 14 Statistics	Consistency of linear equations in 2-variables graphically (Activity No.-1.3)	Cyclic Test -1(15 May) syllabus:
		Ch. 3 Linear equations in two variables		Ch 1, 2, 14
3	June	Ch. 4 Quadratic equations	26 May -2 nd July	
		Summer break		
4	July	Ch. 5 Arithmetic Progression	Verification of sum of first n odd natural numbers is n^2 (Activity No.-1.6)	$\sum n = n(n+1)/2$ Viva-MCQs
		Ch. 6 Similar Triangles		
5	August	Ch. 7 Coordinate Geometry	Verification of BPT (Thales theorem) (Activity No.-3.1)	Cyclic Test -2(11 Aug) Syllabus: Ch 3, 4, 5, 6
		Ch.8 Introduction to Trigonometry		
6	September	Ch. 9 Some Applications of Trigonometry	Pythagoras theorem (Activity No.-3.3) To find the height of a tree/ building	
		Revision for HALF YEARLY exams		Half Yearly Exam(25 Sep): Ch 1 to 8, 14
7	October	Ch.10 Circles	Tangents from an external point to a circle (Activity No.-3.4) Volume of a cone (Demonstration) (Activity No.-5.8)	
		Ch. 13 Surface Areas and Volumes		
8	November	Ch.12 Areas related to circles	Area of sectors (Activity No.-5.2) Finding probability of an event (Activity No.-6.2)	Preboard -1
		Ch. 15 Probability		
9	Dec	Revision for PB 1 exam		Full syllabus
10	January	Revision for PB 2 exam		Full Syllabus
11	February-March	Revision/ Final Practical exam	-	Full Syllabus



GATEWAY INTERNATIONAL SCHOOL

ANNUAL PLANNER

Session: 2023-2024

Class:X

Subject: Social Social

S.N.	Month	Unit/Chapter/Topic	SEA	MA	Syllabus Cyclic Test/Half Yearly/Annual
1	April	Democra tic Politics: Ch-1 Power SharingCh-2 Federalism	Economics: Prepare areport on the development situation of your village, town or	Economics: Quiz of MCQs Geography: Make a map of Types	
		History: Nationalism in	locality with some pictures and data related	of Soil in your map- book.	
		Europe Geography: Ch-1 Resources andDevelopment Economics: Ch-1-Development	to the development which have been donein the recent years. Geography: Make a table of Typesof Soil on A4 sheet &	Nationalism inEurope: Collect information about the personification of a	
			Paste in your notebook.	country as 'motherland' or 'fatherland' .	
			Democratic Politics: Introduction activity: Power Sharing -A Concept some pictures will be shown to	Or Collect the National Anthem of different countries and share with classmates.	
			students, they will observe the given	Compare the content.	
			pictures and will try to understand the		
			idea/messages which are being promoted		
			commonly by all ofthem.		
			Federalism- A		

			Concept Students will be shown		
			some pictures of Indian politicians and a list of questions related to		
			pictures and concept will be given to them.		
2	May	Democra tic Politics: Ch-4 Gender,	Geography: Write a case study onBEEJ BACHAO	Geography: QUIZ Forest and Wildlife Resources	Cyclic Test -I Ch-1 Resources and
		Religion and Caste History: Ch-3 Nationalism inIndia	ANDOLAN / NAVDAN YA Ch-4 Gender, Religion	Nationalism in India: a) Map Work (To be covered during andafter chapter	Developm entCh-1 Developm entCh-1 Power
		Geography: Ch-2 Forest and Wildlife Resources	and Caste Group discussion/ Debate on three basicconcepts (By taking	completion) b)To interpret and compare the pictures given in the chapter to	Sharing
			real life/ current examples)	identify the attributes ofthe images and develop	
				creative expressions	
				Ch-4 Gender, Religionand Caste	
				Skit: Gender discrimination, caste discrimination	
3	July	Democra tic Politics: Ch-6 Political Parties	Ch-6 Political PartiesGroup Discussion: Merits and Demerits of	Geography: Make a rainwater Harvesting structure	Cyclic Test - II Ch-2 Federalism
		Ch-7 Outcomes ofDemocracy	different types of partySystem	design on A4 sheet. The making of A	Ch-2 Sectors ofIndian
		History: Ch-4The making of a	Economics: Activity: Make a	Global world: Acivity: Collage	Economy Ch-2

		Global World Geography: Ch-3 Water Resources	project report on 10 workers who are working in the unorganized sector and analyse their problems	Making Students will collect pictures/wrappers of products manufactured by MNC's in India and	Nationalism in India Ch-2 Forest and Wildlife
		Economics: Ch-2 Sectors of	which they face while working in Unorganized	will categorised them according to their	
		Indian Economy	sector. Geography: Group Activity- Enact a drama on Water	popularity and will present them artistically.	
			Resources- its importance		
			Availability, Problems, Scarcity & Solutions		
			Outcomes of Democracy: 1) In text picture interpretations 2) Discussion based upon research (Group activity- Students will be divided in groups and will allotted countries, then some basic questions will be asked.)		
4	August	History: Ch-4 The making of a Global World	Geography: Agriculture- Prepare a table of Various Major	Geography: Agriculture- Class Discussion on 'why	
		Geography: Ch-4 Agriculture	crops. Minerals- Make a mind	Indian Farmer does not want his son to become	
		Ch-5 Minerals and Energy Resources	map of Minerals and Energy Resources.	a farmer.' Minerals- Crossword	
		Economics: Ch-3 Money and Credit	Economics: Visit the nearest bank and analyze the terms of credit and write all	Puzzle	

			the		
			findings in your notebook.		
5	Septemb er	History:		Ch-5 The Age of	Half Yearly
		Ch-5 The Age of		Industrialization	Syllabus
		Industrialization		Activity: Debate:	Ch-1
				Industrial Development	Nationalism in
				vs. Environmental	Europe
				Protection”. (Group Activity)	Ch-2
					Nationalism in
					India
					Ch-1 Resources and
					Development
					Ch-2 Forest and
					Wildlife
					Ch-3Water Resources
					Ch-4
					Agriculture
					Ch-5 Minerals And Energy Resources
					Ch-1
					Development
					Ch-1 Power
					Shar ing Ch-2 Federalis m Ch-4 Gender. Religion and Caste Ch-1 Developmen t Ch-2 Sectors of Indian Economy
6	October	History: Ch-7 Print Culture	Geography: Manufacturi ng	Geography: Map Work Of	

		and Modern World Geography: Ch-6 Manufacturing Industries	Industries Which Industries are located in your State &give an outline of the	Industries Ch-7 Print Culture and Modern WorldActivity: Picture	
		Ch-7 Lifelines of National Economy	same. Lifelines of National	Comparison or Debate .	
		Economics: Ch-4 Globalization and Indian Economy	Economy Find out the current railway zones and their headquarters. Locate the	Revision Worksheet	
			headquarters of Railway zones on the map of		
			India.		
			Economics: Analyze the working ofIMF and World Bank		
			and their contribution in the process of		
			Globalization of Indian economy. Make a brief		
			report in your notebooks.		
			History: Source basedquestions analysis.		
7	Novembe r	Revision	Revision		Pre- Board I Full Syllabus
8	Decembe r	Revision	Revision		Pre- Board - IIFull Syllabus
9	January		Revision		
10	February		Revision		



GATEWAY INTERNATIONAL SCHOOL

ANNUAL PLANNER

Session: 2023-24

Class : X

Subject : Artificial Intelligence(417)

S. No.	Month	Unit/Chapter(Part-A & Part-B)/Topic	Practical/activity	Syllabus Cyclic Test / Half Yearly/ Annual
1	April	Ch-1 communication skill-2(Part-A) Ch-6 basics of AI(Part-B)	Ch-10 anaconda and jupyter Ch-11 introduction to python	
2	May	Ch-2 self management (Part-A) Ch-7 AI ethics (Part-B)	Ch-11 Python-data types & all	
3	June	Summer break (project work : Ch-5 green skills-2)		
4	July	Ch-8 AI project cycle (Part-B) Ch-3 ICT(Part-A)	Ch-12 flow of control	
5	August	Ch-9 algorithm and flowchart(Part-B)	Ch-12 flow of control (continue...)	
6	September	Revision & exam		Half Yearly (written) Part-A : Ch-1,2,3 Part-B : Ch-6,7,8,9 Half Yearly (practical) Part B: Ch-10,11,12
7	October	Ch 16-natural language processing (Part-B) Ch-4 entrepreneur skill-2(Part-A)	Ch-13 more about lists and tuples Ch-14 data science & practice	
8	November	Ch-17 evaluation (Part-B)	Ch-15 computer vision & practice	
9	December	Revision & pre board 1 exams		Annual Exam (written)
10	January	Pre board 2 exams		Part-A : Ch-1,2,3,4,5 Part-B :
11	February	FINAL EXAMS		Ch-6,,7,8,9,16,17
12	March			Annual Exam (practical) Part B: Ch- 10,11,12,13,14,15



GATEWAY INTERNATIONAL SCHOOL

ANNUAL PLANNER

Session: 2023-24

Class : X

Subject : English

Month	Unit/Chapter/Topic	Activity	Syllabus Cyclic Test / Half Yearly/ Annual
APRIL	<u>Literature:</u> 1. A Letter to God 2. Dust of Snow 3. Fire and Ice 4. A Triumph of Surgery 5. Nelson Mandela <u>Writing:</u> 6. Paragraph Writing <u>Grammar:</u> 7. Tenses	Talk on 'Animal's Cry For Help'	
MAY	<u>Literature:</u> 1. Two Stories About Flying 2. From the Diary of Anne Frank 3. A Tiger in the Zoo 4. How to Tell Wild Animals 5. The Thief's Story 6. The Midnight Visitor <u>Writing:</u> 7. Formal Letter Writing (Letter to the Editor)	Experience of Students on 'Trust'	REVISION TEST-1 1. A Letter to God 2. Dust of Snow 3. Fire and Ice 4. A Triumph of Surgery 5. Nelson Mandela 6. Paragraph Writing 7. Tenses

Grammar:

8. Subject Verb Concord

JULY

Literature:

1. Glimpses of India
2. Mijbil the Otter
3. The Ball Poem
4. Amanda!
5. A Question of Trust
6. Footprints Without Feet

Writing:

7. Formal Letter Writing
(Complaint Letter)

Grammar:

8. Modals
9. Determiners

AUGUST

Literature:

1. Madam Rides the Bus
2. The Sermon at Benares
3. The Trees
4. Fog
5. The Making of a Scientist
6. The Necklace

Grammar:

7. Reported Speech

IA -I

Quiz On
'Glimpses of
India'

1. Two Stories
About Flying
2. From the Diary
of Anne Frank
3. A Tiger in the
Zoo
4. How to Tell
Wild Animals
5. The Thief's
Story
6. The Midnight
Visitor
7. Formal Letter
Writing

			(Letter to the Editor & Complaint Letter) 8. Subject Verb Concord 9. Modals 10. Determiners
SEPTEMBER	REVISION	Poetry Writing on the topics related to nature.	All Syllabus done till September.
OCTOBER	<u>Literature:</u> <ol style="list-style-type: none"> 1. The Proposal 2. The Tale of Custard The Dragon 3. For Anne Gregory 4. Bholi 5. The Book that Saved the Earth 	Story Writing on ‘Compassion and Kindness transforms a Human Being’	
NOVEMBER	REVISION		REVISION -II <ol style="list-style-type: none"> 1. The Proposal 2. The Tale of Custard The Dragon 3. For Anne Gregory 4. Bholi 5. The Book that Saved the Earth 6. Paragraph Writing 7. Formal Letter Writing 8. Tenses 9. Subject Verb Concord 10. Determiners 11. Modals



GATEWAY INTERNATIONAL SCHOOL

ANNUAL PLANNER

Session: 2023-24

Class: X

Subject: Hindi

Sr. No.	Month	Course Book		Vocabulary		Grammar	Writing Skills	Comprehension	Activity	Syllabus
		Prose	Poetry	From the Chapter	From Grammar			(Unseen Passage)	SEA /MA	Cyclic Test/Half Yearly/Annual
1	April	पाठ-1 बड़े भाई साहब, पाठ-1 हरिहर काका	पाठ-1 कबीर (साखी)	शब्दार्थ और टिप्पणि याँ	क्रिया, शब्द विचार, इक प्रत्यय	पदबंध ,समास, मुहावरे	अनुच्छेद लेखन , औपचारिक पत्र लेखन	अपठित गद्यांश	पदबंध या समास से संबंधित मॉडल, साखियों का सस्वर वाचन	पाठ-कबीर (साखी), बड़े भाई साहब, समास, मुहावरे, अनुच्छेद लेखन, पत्र लेखन (औपचारिक), अपठित गद्यांश
2	May	पाठ-2 डायरी का एक पन्ना, संचयन पाठ्य पुस्तक पाठ-2 सपनों के से दिन	पाठ-2 मीरा (पद)	शब्दार्थ और टिप्पणि याँ	वाक्य	वाक्य , मुहावरे	लघु कथा लेखन, ई मेल लेखन	अपठित गद्यांश	वाक्य' विषय पर मॉडल बनाइए। कविता में प्रयोग की गई कहानियों को लघु कथा के रूप में लिखिए। वाक्य से संबंधित मॉडल, मीराबाई का कोई एक पद कक्षा में सुनाइए	

3	July	पाठ-3 ततांरा वामीरो कथा, संचयन पाठ्य पुस्तक पाठ-3 टोपी शुक्ला	पाठ-3 बिहारी , पाठ-4 मैथिलीशर ण गुप्त (मनुष्यता)	शब्दार्थ और टिप्पणि याँ	संधि, मुहावरे , पदबंध	संधि और समास, मुहावरे, वाक्य	विज्ञापन लेखन, सूचना लेखन	अपठित गद्यांश	कविता में जिन महापुरुषों का जिक्र हुआ है उनसे संबंधित कहानियों को लघु कथा के रूप में लिखिए। कविता में कई महापुरुषों का जिक्र किया गया है। उन महापुरुषों का परिचय तस्वीर सहित परियोजना के रूप में एकत्रित कीजिए।	स्पर्श - पाठ- मीरा , डायरी का एक पन्ना संचयन-पाठ-1 हरिहर काका, पदबंध , मुहावरे, वाक्य
4	August	पाठ-4 तीसरी कसम के शिल्पका र, पाठ-5 गिरगिट	पाठ-5 सुमित्रानंद न पंत (पर्वत प्रदेश में पावस)	शब्दार्थ और टिप्पणि याँ	मुहावरे, समास, संधि	मुहावरे, समास, संधि	दोहराई लेखन भाग- अनुच्छेद लेखन , औपचारिक पत्र लेखन, लघु कथा लेखन, ई मेल लेखन, विज्ञापन लेखन,	अपठित गद्यांश	समूह के अनुसार विभिन्न प्रकार के विज्ञापनों की तालिका चार्ट पर बना कर कक्षा में लगाइए। कविता के प्रत्येक काव्यांश का सचित्र वर्णन कीजिए।	

							सूचना लेखन			
5	September	दोहराई	दोहराई	दोहराई	दोहराई	दोहराई	दोहराई लेखन भाग- अनुच्छेद लेखन , औपचारिक पत्र लेखन, लघु कथा लेखन, ई मेल लेखन, विज्ञापन लेखन, सूचना लेखन	अपठित गद्यांश		स्पर्श भाग-2 गद्य खंड - बड़े भाई साहब, डायरी का एक पन्ना, ततारा वमीरो काथा, तीसरी कसम के शिल्पकार स्पर्श भाग-2 पद्य खंड- कबीर , मीरा, मैथिलीशरण गुप्त , संचयन भाग-2 हरिहर काका, सपनों के से दिन, व्याकरण- पदबंध, वाक्य, मुहावरे, समास , लेखन भाग- अनुच्छेद लेखन, पत्र लेखन, लघु काथा लेखन, विज्ञापन लेखन, सूचना लेखन, ईमेल लेखन

6	October	पाठ -6 अब कहँ दूसरों के दुख से दुखी होने वाले ,पाठ- 7 पतझड़ में टूटी पत्तियाँ	पाठ- 6 महादेवी वर्मा (मधुर- मधुर मेरे दीपक जल),पाठ-7 वीरें डंगवाल (तोप)	शब्दार्थ और टिप्पणि याँ	समास, वाक्य रूपांतरण	विराम चिह्न	अनुच्छेद लेखन , औपचारिक पत्र लेखन	अपठित गद्यांश	भारत के प्रसिद्ध स्मारक प्रतीकों का परिचय परियोजना के रूप में एकत्रित कीजिए।	
7	November	पाठ-8 कारतूस	पाठ- 8 कैफ़ी आजमी (कर चले हम फ़िदा)	शब्दार्थ और टिप्पणि याँ	मुहावरे, वाक्य रूपांतरण, समास	पदबंध ,समास,मुहा वरे	लघु कथा लेखन, ई मेल लेखन	अपठित गद्यांश	फिल्म हकीकत की समीक्षा अपने शब्दों में कीजिए।	
8	December	दोहराई	दोहराई			वाक्य	विज्ञापन लेखन, सूचना लेखन	अपठित गद्यांश	विज्ञापन, सूचना लेखन में विभिन्नता चार्ट की सहायता से दर्शाइए।	प्रि बोर्ड - संपूर्ण पाठ्यक्रम

9	January	दोहराई	दोहराई			समास, वाक्य रूपांतरण	दोहराई लेखन भाग- अनुच्छेद लेखन , औपचारिक पत्र लेखन, लघु कथा लेखन, ई मेल लेखन, विज्ञापन लेखन, सूचना लेखन	अपठित गद्यांश	वाक्य, उपवाक्य समझते हुए चार्ट बनाइये।	प्रि बोर्ड - संपूर्ण पाठ्यक्रम
10	February	दोहराई	दोहराई			दोहराई समस्त व्याकरण		अपठित गद्यांश		
11	March	दोहराई	दोहराई		दोहराई	दोहराई	दोहराई			संपूर्ण पाठ्यक्रम- सी बी एस ई द्वारा निर्धारित



GATEWAY EDUCATION

Engineering | Polytechnic | Architecture | Hotel Management

Gateway Education, Sect-11, Sonapat. Tel : 9812302372, 9306754149 Office : 0130-2218847

E-mail : enquiry@gateway.edu.in, gisjuniors@gateway.edu.in Web: www.gateway.edu.in