

AIR FORCE SCHOOL GURGAON
CLASS: X SYLLABUS (SESSION: 2024-25)

SUBJECT: English Language & Literature			
TERM-1		TERM-2	
BOOK NAME: First Flight		BOOK NAME: First Flight	
CH NO.	CHAPTER NAME	CH NO.	CHAPTER NAME
	FIRST QUARTER (APRIL-JUNE)		THIRD QUARTER (OCT-DEC)
1	A Letter To God	7	Madam Rides The Bus
2	Nelson Mandela	8	The Sermons Of Benares
3	Two Stories About Flying	9	The Proposal
	Poetry		Poetry
1	Dust Of Snow	7	The Trees
2	Fire And Ice	8	Fog
3	A Tiger In The Zoo	9	The Tale Of Custard the Dragon
		10	For Anne Gregory
BOOK NAME: Footprints Without Feet		BOOK NAME: Footprints Without Feet	
1	A Triumph of Surgery	7	The Necklace
2	The Thief's Story	8	Bholi
3	The Midnight Visitor	9	The Book That Saved The Earth
	Grammar		Grammar
	Determiners		Determiners
	Tenses		Tenses
	Writing		Modals
	Letter Writing		Subject -verb concord
1	To The Editor		Reported speech
2	Complaint		Writing
3	Order		Letter Writing
4	Enquiry		Analytical Paragraph
	SECOND QUARTER (JULY-SEP)		FOURTH QUARTER (JAN-MAR)
BOOK NAME: First Flight			
4	From The Diary Of Anne Frank	NOTE:	SYLLABUS FOR PRE-BOARD & FINAL EXAMINATION: - WHOLE NCERT
5	Glimpses Of India		
6	Mijbil The Otter		
	Poetry		
4	How To Tell Wild Animals		
5	The Ball Poem		
6	Amanda		
BOOK NAME: Footprints Without Feet			
4	A Question Of Trust		
5	Footprints Without Feet		

6	The Making Of A Scientist		
	Grammar		
	Modals		
	Subject -verb concord		
	Reported Speech		
	Writing		
	Analytical Paragraph		
विषय: हिंदी			
प्रथम सत्र		द्वितीय सत्र	
पुस्तक का नाम : क्षितिज		पुस्तक का नाम : क्षितिज	
पाठ संख्या	पाठ का नाम	पाठ संख्या	पाठ का नाम
	प्रथम तिमाही (अप्रैल - जून)		तृतीय तिमाही (अक्टूबर-दिसंबर)
	काव्य खंड		काव्य खंड
1	सूरदास पद	2	तुलसीदास- राम-लक्ष्मण-परशुराम संवाद
5	नागार्जुन- यह दंतुरित मुस्कान, फसल	9	मंगलेश डबराल- संगतकार
	गद्य खंड		गद्य खंड
7	स्वयं प्रकाश- नेताजी का चश्मा	12	भदंत आनंद कौसल्यायन- संस्कृति
8	रामवृक्ष बेनीपुरी -बालगोबिन भगत		
पूरक पुस्तक : कृतिका		पूरक पुस्तक: कृतिका	
1	शिवपूजन सहाय - माता का अँचल	3	मधु कांकरिया- साना-साना हाथ जोड़ि
व्याकरण		व्याकरण	
	पाठ का नाम		पाठ का नाम
1	रचना के आधार पर वाक्य भेद	1	रचना के आधार पर वाक्य भेद
2	पद परिचय	2	पद परिचय
3	अलंकार (अर्थालंकार- उपमा, रूपक ,उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण)	3	अलंकार (अर्थालंकार- उपमा, रूपक ,उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण)
4	अनुच्छेद लेखन	4	अनुच्छेद लेखन
5	पत्र लेखन	5	पत्र लेखन
6	विज्ञापन	6	विज्ञापन
7	औपचारिक ई-मेल लेखन	7	संदेश लेखन
		8	स्ववृत्त लेखन
		9	औपचारिक ई-मेल लेखन
		10	अपठित गद्यांश
		11	अपठित काव्यांश
	द्वितीय तिमाही (जुलाई-सितंबर)		चौथी तिमाही (जनवरी-मार्च)
	काव्य खंड		पुनरावृत्ति
3	जयशंकर प्रसाद- आत्मकथ		पूर्व बोर्ड
4	सूर्यकांत त्रिपाठी 'निराला'-उत्साह, अट नहीं रही है		वार्षिक परीक्षा - पूरा पाठ्यक्रम (प्रथम एवं द्वितीय सत्र)
	गद्य खंड		
9	यशपाल- लखनवी अंदाज़		
10	मन्नू भंडारी- एक कहानी यह भी		
11	यतीन्द्र मिश्र- नौबतखाने में इबादत		
पूरक पुस्तक : कृतिका			

3	अज्ञेय- मैं क्यों लिखता हूँ		
व्याकरण			
	वाच्य		
	लेखन		
	संदेश लेखन, पत्र लेखन, अनुच्छेद लेखन,		
	अपठित गद्यांश, अपठित काव्यांश		

SUBJECT: MATHEMATICS

TERM-1		TERM-2	
BOOK NAME:		BOOK NAME:	
CH NO.	CHAPTER NAME	CH NO.	CHAPTER NAME
	FIRST QUARTER (APRIL-JUNE)		THIRD QUARTER (OCT-DEC)
1	Real Numbers	7	Coordinate Geometry
2	Polynomials	8	Introduction to Trigonometry
3	Pair of Linear Equations in Two Variables	9	Some Applications of Trigonometry
4	Quadratic Equations	10	Circles
13	Statistics	12	Surface Areas & Volumes
14	Probability		
	SECOND QUARTER (JULY-SEP)		FOURTH QUARTER (JAN-MAR)
5	Arithmetic Progressions		
6	Triangles	NOTE:	SYLLABUS FOR PRE-BOARD & FINAL EXAMINATION: - WHOLE NCERT
11	Areas Related to Circles		

SUBJECT: SCIENCE

TERM-1		TERM-2	
FIRST QUARTER (APRIL-JUNE)		THIRD QUARTER (OCT-DEC)	
BOOK NAME: SCIENCE(Textbook for Class X) NCERT		BOOK NAME: SCIENCE(Textbook for Class X) NCERT	
CH NO.	CHAPTER NAME	CH NO.	CHAPTER NAME
1	Chemical Reactions and Equations	8	Carbon and its Compounds
2	Acids, bases and salts	10	Heredity and Evolution
4	Life Processes	12	Magnetic effects of electric current
6	Light reflection and refraction	13	Our Environment
7	Human eye and colourful world		
BOOK NAME: Practical		BOOK NAME: Practical	
CH NO.	CHAPTER NAME	CH NO.	CHAPTER NAME

1	A. Finding the pH of the following samples by using pH paper/universal indicator: (i) Dilute Hydrochloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid solution (iv) Lemon juice (v) Water (vi) Dilute Hydrogen Carbonate solution	1	Study of the following properties of acetic acid (ethanoic acid): Unit- I i) Odour ii) solubility in water iii) effect on litmus iv) reaction with Sodium Hydrogen Carbonate
	B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: a) Litmus solution (Blue/Red) , b) Zinc metal, c) Solid sodium carbonate	2	Study of the comparative cleaning capacity of a sample of soap in soft and hard water.
2	Performing and observing the following reactions and classifying them into: A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction (i) Action of water on quicklime (ii) Action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions		
3	Determination of the focal length of: i) Concave mirror ii) Convex lens by obtaining the image of a distant object.		
4	Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.		
5	Tracing the path of the rays of light through a glass prism.		
6	Preparing a temporary mount of a leaf peel to show stomata.		
7	Experimentally show that carbon dioxide is given out during respiration.		
	SECOND QUARTER (JULY-SEP)		FOURTH QUARTER (JAN-MAR)
3	Metals and Non Metals		
5	Control and Co-ordination		
9	How do Organisms Reproduce	NOTE:	SYLLABUS FOR PRE-BOARD & FINAL EXAMINATION: - WHOLE NCERT
11	Electricity		
BOOK NAME: Practical			
CH NO.	CHAPTER NAME		

1	Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: Unit-I i) ZnSO ₄ (aq) ii) FeSO ₄ (aq) iii) CuSO ₄ (aq) iv) Al ₂ (SO ₄) ₃ (aq) Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.		
2	Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.		
3	Determination of the equivalent resistance of two resistors when connected in series and parallel.		
4	Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.		
5	Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).		

SUBJECT: SOCIAL SCIENCE

TERM-1		TERM-2	
BOOK NAME: India and the Contemporary World - II		BOOK NAME: India and the Contemporary World - II	
CH NO.	CHAPTER NAME	CH NO.	CHAPTER NAME
	FIRST QUARTER (APRIL-JUNE)		THIRD QUARTER (OCT-DEC)
1	The Rise of Nationalism in Europe	4	The Age of Industrialization ((To be assessed as part of Periodic Assessment only)
		5	Print Culture and the Modern World
BOOK NAME: Contemporary India - II		BOOK NAME: Contemporary India - II	
1	Resources and Development	5	Minerals and Energy Resources
		6	Manufacturing Industries
		7	Life Lines of National Economy (Only map pointing to be evaluated in the Board Examination)
BOOK NAME: Democratic Politics - II		BOOK NAME: Democratic Politics - II	
1	Power Sharing	4	Political Parties
2	Federalism	5	Outcomes of Democracy
BOOK NAME: Understanding Economic Development		BOOK NAME: Understanding Economic Development	
1	Development	3	Money and Credit
		4	Globalisation and the Indian Economy

		5	Consumer Rights (To be used only for Project Work)
	SECOND QUARTER (JULY-SEP)		FOURTH QUARTER (JAN-MAR)
BOOK NAME: India and the Contemporary World - II		NOTE:	SYLLABUS FOR PRE-BOARD & FINAL EXAMINATION: - WHOLE NCERT
2	Nationalism in India		
3	The Making of a Global World		
BOOK NAME: Contemporary India - II			
2	Forest and Wildlife		
3	Water Resources		
4	Agriculture		
BOOK NAME: Democratic Politics - II			
3	Gender, Religion and Caste		
BOOK NAME: Understanding Economic Development			
2	Sectors of the Indian Economy		
SUBJECT: INFORMATION TECHNOLOGY			
	TERM-1		TERM -2
BOOK NAME: IT BY KIPS PUBLICATION			
CH-NO.	CHAPTER NAME	CH-NO.	CHAPTER NAME
	FIRST QUARTER (APRIL-JUNE)		THIRD QUARTER (OCT-DEC)
	PART-B SUBJECT SPECIFIC SKILLS		PART-B SUBJECT SPECIFIC SKILLS
1	Digital Documentation (Advanced)	3	Database Management System
2	Electronic Spreadsheet (Advanced)	4	Web Application and Security
			PART-A EMPLOYABILITY SKILLS
		4	Entrepreneurial Skills-II
		5	Green Skills-II
	SECOND QUARTER (JULY-SEP)		FOURTH QUARTER (JAN-MAR)
	PART-A EMPLOYABILITY SKILLS		
1	Communication Skills-II		Revision of Complete Syllabus
2	Self-Management Skills-II		
3	ICT Skills-II		

Note: Part-A (Unit 1 and 5) are to be accessed through Internal Assessment/Activity only.

***Subject to change.**