



AIR FORCE SCHOOL YELAHANKA

ACADEMIC SESSION 2025-26

SPLIT UP SYLLABUS

CLASS - XII

SUBJECT-ENGLISH

Text book: Flamingo, Vistas
Publisher: NCERT

Periods per week: 08

No. of working days: 241

Month	No of Periods	Topic/Chapter Name
April, 2024	30	FLAMINGO(core course) PROSE:1.The Last Lesson , 2.Lost Spring POEM:1.My Mother at Sixty Six VISTAS(supplementary) 1.The Third Level READING: Unseen Passages WRITING: Notice Writing
May	10	FLAMINGO(core course) PROSE:3.Deep Water POEM : 3.Keeping Quiet VISTAS(supplementary) 2. The Tiger King READING: Case-based passage WRITING: Invitations and Replies
June,	32	FLAMINGO(core course) PROSE: 4.The Rattrap VISTAS (supplementary) 3.Journey to the End of the Earth WRITING: Formal Letter(Application of Jobs)
July,	34	<i>FLAMINGO(core course)</i> <i>PROSE: 5.Indigo</i> <i>POEM: 4. A Thing of Beauty</i> <i>VISTAS(supplementary)</i> <i>4. The Enemy</i> <i>Writing:Letter to Editor</i> <i>ALS ACTIVITIES</i> <i>Revision for PTI</i>
Aug.	34	FLAMINGO(core course) PROSE:6. Poets and Pancakes POEM: 5.A Roadside Stand READING COMPREHENSION ALS ACTIVITIES

		PROJECT WORK
Sept.,	11	FLAMINGO(core course) POEM: 6.Aunt Jennifer's Tigers VISTAS(supplementary) 6. On The Face Of It Revision for Half yearly Exam
Oct.	24	<i>FLAMINGO (core course)</i> <i>PROSE: The Interview Part I and II</i> <i>READING COMPREHENSION</i> <i>WRITING: Article writing , Report writing</i> <i>ALS ACTIVITIES, PROJECT WORK</i>
Nov	24	FLAMINGO (core course) PROSE: Going Places VISTAS (supplementary) 8.Memories of Childhood ALS ACTIVITIES PROJECT WORK
Dec.	21	Revision for Pre board I Revision for Pre board II/PT3
Jan.	23	ALS Assessment Activities Project and Viva Revision for Board Exam
Feb		Revision
Mar.		<i>Board Exam</i>

SUBJECT-HINDI

पाठ्य पुस्तक :आरोह भाग - 2

प्रकाशक- एन.सी. ई .आर. टी.

साप्ताहिक कालांश:

कार्य दिवस – 241

मही ना	कार्य दिवसों की संख्या	पाठ्यपुस्तक का नाम आरोह भाग -2 ,वितान भाग-2,अभिव्यक्ति और माध्यम तथा रचनात्मक लेखन
अप्रै ल		हैं आत्मपरिचय भक्तिन,बाज़ार दर्शन, दिन जल्दी- जल्दी ढलता है अभिव्यक्ति और माध्यम पाठ -3 एवं 4 अर्थ एवं प्रकृति
मई		सिल्वर वैडिंग , काले मेघा पानी दे रचनात्मक लेखन
जून		पहलवान की ढोलक ,पतंग अभिव्यक्ति और माध्यम पाठ -5विशेष लेखन और प्रकार
जुला ई		कविता के बहाने , बात सीधी थी पर, कहानी का नाट्य रूपांतरण
अग स्त		उषा, कैमरे में बंद अपाहिज ,बादल राग जूझ फ़ीचर एवं आलेख लेखन
सित म्बर		कवितावली ,शिरीष के फूल , अतीत में दबे पाँव .श्रम विभाजन और जाति प्रथा मेरी कल्पना का आदर्श समाज .कैसे बनता है रेडियो नाटक
अक्टू बर		लक्ष्मण- मूर्छा और राम का विलाप , रुबाइयाँ, अप्रत्यासित विषयों पर रचनात्मक लेखन
नव म्बर		छोटा मेरा खेत , बगुलों के पंख, कविता , 1.कहानी का नाट्य रूपांतरण, 2.पत्रकारिता और जन संचार माध्यमों के लिए लेखन

दिस म्बर		पुनरावृत्ति एवं प्री बोर्ड परीक्षा के लिए तैयारी
जनव री		श्रवण एवं वाचन कौशल एवं परियोजना आकलन, पुनरावृत्ति एवं प्री बोर्ड परीक्षा ,प्रश्न-पत्र हल
फरव री		पुनरावृत्ति एवं प्री बोर्ड परीक्षा के लिए तैयारी
मार्च		बोर्ड परीक्षा

SUBJECT-MATHEMATICS (041)

Text book: Mathematics Part I -Textbook for class XII
Mathematics Part II -Textbook for class XII

Publisher: NCERT

Periods per week: 06

No. of working days: 241

Month	No of Periods	Topic/Chapter Name
April	23	Relations and Functions Inverse Trigonometric Functions
May	8	Matrices
June	8	Determinants
July	25	Continuity and Differentiability Application of Derivatives
August	23	Application of Derivatives(Contd) Integrals Application of Integrals

September	24	Differential Equations Vector Algebra Half Yearly Exam Revision
October	20	Three-dimensional Geometry Linear Programming Probability
November	23	Probability(Contd)
December	18	Revision
January 2026	24	Revision
February		Revision and board internal Assessment
March		CBSE Board Examination

SUBJECT-PHYSICS

Textbook: Physics

Publisher: NCERT

Periods per week: 07

No. of working days: 241

Month	No of Periods	Topic/Chapter Name
April	23	Chapter 1: Electric charges and fields Chapter 2: Electrostatic potential and Capacitance Chapter 3: Electricity
May	6	Chapter 4: Moving charges and magnetism
June	8	Chapter 5: Magnetism and matter
July	26	Revision
Aug.	24	Chapter 6: Electromagnetic induction

		Chapter 7: Alternating Current Chapter 8: Electromagnetic waves
Sept.	21	Revision
Oct.	20	<i>Chapter 9: Ray optics and optical instruments</i> <i>Chapter 10: Wave optics</i>
Nov	23	Chapter 11: Dual nature of radiation and matter Chapter 12: Atoms Chapter 13: Nuclei Chapter 14: Semiconductor electronics: materials devices and simple circuits
Dec.	18	Revision
Jan.	24	Revision
Feb	23	Board Examination
Mar	25	Board Examination

SUBJECT- CHEMISTRY (043)

Text book: Chemistry Part 1 and Part 2, Class 12
Publisher: NCERT

Periods per week: 06

No. of working days: 241

Month	No of Periods	Topic/Chapter Name
April	23	Chapter 1- Solution Chapter 2- Electrochemistry
May	Extra Classes	Chapter 3- Chemical Kinetics
June	8	Chapter 6: Haloalkanes and haloarenes
July	26	Chapter 6: Haloalkanes and haloarenes (Conti..) Revision for PT 1 Chapter 7 : Alcohols, Phenols and ethers

		Chapter 8: Aldehydes
Aug.	24	Chapter 8: Aldehydes (Conti..) Chapter 9 : Amines Revision for Half yearly exam
Sept.	7	Revision for Half Yearly Exam
Oct.	20	Chapter 10 : Biomolecules Chapter 4: <i>d</i> and <i>f</i> -block elements
Nov.	23	Chapter 4: d and f-block elements (Conti..) Chapter 5: Coordination compound Revision for Pre-Board 1
Dec.	18	Revision for Common Pre-board exam
Jan.,	24	Revision for AISSCE AISSCE Practical Exam
Feb.,	23	Revision for AISSCE
Mar.,		AISSCE 2025-26

SUBJECT- BIOLOGY

Textbook: BIOLOGY

Publisher: NCERT

Periods per week: 07

No. of working days: 241

Month	No of Periods	Topic/Chapter Name
April	23	GENETICS AND EVOLUTION 4. Principles of Inheritance and Variation. 5. Molecular Basis of Inheritance. 6. Evolution.

May & June	15	BIOLOGY IN HUMAN WELFARE 7. Human Health and Disease. 8. Microbes in Human Welfare.
July	26	<i>REVISION FOR PT- I</i> (Conti.....) REPRODUCTION 1. Sexual Reproduction in Flowering Plants. 2. Human Reproduction. 3. Reproductive Health
Aug.	25	ECOLOGY 11. Organisms and Populations. 12. Ecosystem. 13. Biodiversity and Conservation.
Sept.	21	REVISION FOR HALF YEARLY EXAMINATION
Oct.	20	BIOTECHNOLOGY 9. Biotechnology: Principles and Processes. 10. Biotechnology and its Applications.
Nov.	23	REVISION FOR PRE-BOARDS
Dec.	18	REVISION FOR PRE-BOARDS
Jan.	24	REVISION FOR BOARDS
Feb	23	BOARDS
Mar.	23	BOARDS

SUBJECT- COMPUTER SCIENCE

Textbook: *Computer Science with Python*

Publisher: *Sumita Arora*

*Periods per week:*8

No. of working days:

241

Month	Periods	Topic/Name of the chapter
April	23	1-Revision of Python topics covered in Class XI. 2-Functions

May	13	6-Understanding Data 7-Database Concepts
June	08	8- Structured Query Language (SQL)
July	26	3-Exception Handling in Python 4-File Handling in Python
Aug	24	5- Stack 9-Interface of python with an SQL database
Sept	21	10-Computer Networks 11-Data Communication
Oct	20	12-Security Aspects Project Development / Practical file Submission
Nov	23	Revision
Dec	Pre-Board I	
Jan	Pre-Board II AISSCE Practical Examination	
Feb	AISSCE 2025-26	
Mar		

SUBJECT-PHYSICAL EDUCATION

Text book: PHYSICAL EDUCATION

Publisher: LAXMI PUBLICATION

Periods per week: 08

No. of working days: 241

Month	No of Periods	Topic/Chapter Name

April	23	Unit 1: Management Of Sporting Events Unit 2: Children And Women In Sports
MAY	13	Unit 3: Yoga As Preventive Measure For Lifestyle
June	8	Unit 6: Test And Measurement In Sports
July	26	Unit 7: Physiology And Injuries In Sports
August	24	Unit 5: Sports And Nutrition Unit 4: Physical Education And Sports For (Cwsn)
Sept	21	Unit 8: Biomechanics And Sports Unit 9: Pshchology And Sports
Oct.	20	Unit10: Training In Sports
Nov	23	Revision
Dec	Pre-Board I	
Jan	Pre-Board II AISSCE Practical Examination	
Feb	AISSCE 2025-26	
Mar		

SUBJECT- PHYSICS PRACTICAL

Text book: Lab Manual for Physics

Publisher: NCERT

Periods per week: 2

No. of working days: 241

Month	No of Periods	Topic/Chapter Name
April, 2025	6	Sec A: to determine the resistivity of two / three wires by plotting a graph for potential difference versus current Sec B :to determine the angle of minimum deviation of a given prism by plotting a graph between angle of incidence and angle of deviation
June,		
July,	8	<i>Sec A : Resistance of a given wire using a meter bridge</i> <i>Sec B : to determine the refractive index of a glass slab using a travelling microscope</i>
Aug.	8	Sec A : To verify the laws of series combination of resistance using a meter bridge Sec B : to find the value of v for different value of u in the case of a concave mirror and to find the focal length
Sept.,	4	
Oct.	6	<i>Sec A : to determine the resistance of a galvanometer by half deflection method and to find its figure of merit</i> <i>Sec B : to find the focal length of concave lens using a convex lens</i>
Nov	8	Sec B : to find the focal length of a convex mirror using a convex lens Sec B : to draw V-I characteristics curve of p- n diode in forward and reverse bias
Dec.	6	Revision
Jan.	8	Revision
Feb	8	Revision
Mar.		

SUBJECT- CHEMISTRY PRACTICAL (043)

Text book: Lab Manual for Chemistry, Class 12
Publisher: NCERT

Month	No of Periods	Topic/Chapter Name
April	08	1) Preparation of Inorganic Compounds - Preparation of Potash Alum 2) Volumetric Analysis I 3) Volumetric analysis II
June	02	4) Qualitative Analysis Salt Analysis -1
July	08	4) Qualitative Analysis (Conti..) Salt Analysis -2 Salt Analysis -3 Salt Analysis -4 Salt Analysis- 5
August	10	4) Qualitative Analysis (Conti..) Salt Analysis -6 Salt Analysis -7 Salt Analysis -8 Salt Analysis- 9 Salt Analysis- 10
September	04	Term 1 (Half Yearly) Practical Examination 2025-26
October	06	5) Test for the functional groups present in organic compounds 6) Chromatography
November	08	7) Project Work
December	06	7) Project Work (Conti..) Mock Practical Exam
January	10	AISSCE Practical Examination , 2025-26
February		
March		

SUBJECT- BIOLOGY PRACTICAL

Text book: COMPREHENSIVE LAB MANUAL IN BIOLOGY

Month	No of Periods	Topic/Chapter Name
April,	08	1. Study the Reproductive Parts of Commonly Available Flowers 2. To calculate Percentage of Pollen Germination 3. To Study Pollen Tube Growth on Stigma 4. Study the Discrete Stages of Gametogenesis in Mammalian Testis and Ovary 5. To Study and Identify Various Stages of Female Gametophyte Development in Ovary of a Flower
May & June,	02	6. Preparation and Study of Mitosis in Onion Root Tips 7. Preparation and Analysis of Pedigree Charts
July,	06	8. <i>To Study The Blastula Stage of Embryonic Development in Mammals, with the help of Permanent Slide, Chart or Photograph</i> 9. <i>To Analyse Living Organisms in Water Sample</i> 10. <i>Study of Meiosis Using Permanent Slide</i>
Aug.	08	11. To Verify Mendel's Law of Segregation, Independent Assortment 12. To Perform Emasculation, Bagging and Tagging for Controlled Pollination 13. Investigatory Project Work
Sept.,	02	REVISION FOR HALF YEARLY EXAMINATION 14. To Identify Common Disease Causing Organism and The Symptoms of the Disease 15. To Study the Texture of Soil
Oct.	08	16. <i>To Study the Ecological Adaptation in Plants Living in Xeric and Hydric Condition</i> 17. <i>Determine the Water Holding Capacity of Soil and PH of Different Water and Soil Sample</i> 18. <i>To Study the Turbidity of Water Samples</i>
Nov	06	19. To Determine the Amount of Suspended Particulate Matters in Air at Different Site in a City 20. To Study Plant Population Density and Frequency by Quadrat Method
Dec.	08	REVISION FOR BOARD PRACTICAL EXAMINATION
Jan.	06	BOARD PRACTICAL EXAMINATION
Feb		

Mar.		
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