

CENTRAL ACADEMY SCHOOL
CLASS-XII(MATHS/BIO) SYLLABUS 2026-2027

<i>Subjects</i>	<i>Half Yearly Exam</i>	<i>1st Pre Board</i>	<i>2nd Pre Board</i>
ENGLISH CORE	Reading – Comprehension Passage Writing – Notice & letter to the editor. Literature – (Flamingo) 1,2,3,4,5 Poetry P-1, 2,3 Vistas L-1, 2, 3.	Reading – Comprehension Passage Writing – Article, Report, Application for Job, Invitation Literature – (Flamingo 6,7,8 Poetry -4,5 Vistas – 4,5,6 <u>Full Syllabus in Exam</u>	Full Syllabus
PHYSICS	1. Electric Charges& field 2. Electric Potential and Capacitance 3. Current Electricity 4. Moving Charges& Magnetism 5. Magnetis and matter 6. Electromagnetic Induction 7. Alternating Current 8. Electromagnetic Wave	9. Ray optics and optical instrument 10. Wave optics 11. Dual Nature of Matter 12. Atoms 13. Nuclei 14. Electronic Devices Full Syllabus in Exam	Full Syllabus
CHEMISTRY	1. Solutions 2. Electrochemistry 3. Chemical Kinetics 4. Haloalkanes&Haloarenes 5.Alcohols, Phenols, and Ethers	6. d and f block elements 7. Coordination Compounds 8. Aldehydes, Ketones And Carboxylic acids 9. Amines 10. Bio Molecules Full Syllabus in Exam	Full Syllabus
MATHS	Part –I 1. Relations & functions 2. Matrices 3. Determinants 4. Inverse Trigonometric Functions 5. Continuity and Differentiability 6. Application of Derivatives	7. Introduction of Integration 8. Linear Programming 9. Probability 10. Application of Integrals 11. Differential Equations 12. Vector Algebra 13. Three dimensional Full Syllabus	Full Syllabus
BIOLOGY	1. Sexual Rep. in flowering plants 2. Human Reproduction 3. Reproductive Health 4. Principles of inheritance & Variations 5. Evolution 6. Human health and diseases 7. Microbes in human welfare	8. Molecular Basis of Inheritance 9. Bio technology principles and processes 10. Bio Technology and its applications 11. Organisms & populations 12. Ecosystem 13. Bio diversity and Conservation Full Syllabus in exam.	Full Syllabus
IP	1. Data handling using Pandas-I 2. Data handling using Pandas-II 3. Database query using SQL 4. My SQL Function	5. Social Impact 6. Introduction to Computer Network 7. Plotting with pyplot 8. Query using SQL	Full Syllabus
PHYSICAL EDUCATION	Ch-1 Management of Sporting Events Ch- 2 Children & Women in sports Ch-3 Yoga as preventive majors for Life Style disease Ch-4 Phy.Edu & Sports for CWSN Ch-5 Sports & Nutrition Ch-10 Training in Sports	Ch-6 Test & Measurement in Sports Ch-7 Physiology &injuries in sports Ch- 8 Biomechanics & Sports Ch-9 Psychology & Sports Full Syllabus In Exams	Full Syllabus
MUSIC	Unit-I 1.1 Brief study of Alankar, Kan, Meend, Khatka, Murki, Gamak, 1.2 Brief study of Gram, Murchhana, Alap, Tana. Unit-II 2.1 Historical development of Time Theory of Ragas Unit-III 3.1 Detail study of Sangeet Ratnakar Sangeet Parijat 3.2 Life sketch and contribution of Faiyaz Khan, Bade Ghulam Ali Kha, Krishna Krishna Rao, Shankar Pandit	Unit-IV 8.1 Description of prescribed Talas along with TalaNotation with Thah, Dugun, Tigon and Chaugun Jhaptala, Rupak, Dhamar. 8.2 Tuning of Tanpura Unit-V 5.1 Critical Study of prescribed Ragas along with recognizing the ragas from phrases of swaras and elaborating them. 5.2 Writing in Notation the compositions of prescribed Ragas: Bhairav, Bageshri, Malkauns.	Full Syllabus

Time Table Class – XII (2026-2027)

HALF YEARLY EXAM		
Date	Day	Subjects
15/09/2026	Tuesday	English Core/Elective
17/09/2026	Thursday	Biology/Maths/Economics/History
19/09/2026	Saturday	Chemistry/Business Studies/Pol Science
23/09/2026	Wednesday	Physics / Geography / Accountancy
26/09/2026	Saturday	Phy. Edu / I.P/ Painting/App Maths/Music

1 st PRE-BOARD EXAM		
Date	Day	Subjects
25/11/2026	Wednesday	Physics / Geography / Accountancy
27/11/2026	Friday	Eng Elective / Core
30/11/2026	Monday	Biology / Maths / Economics / History
02/12/2026	Wednesday	Chemistry / B.Std / Pol Science
04/12/2026	Friday	Phy. Education / IP / Music / App.Maths/Painting

2 nd PRE-BOARD EXAM		
Date	Day	Subjects
05/01/2027	Tuesday	Physics / Geography / Accountancy
07/01/2027	Thursday	Biology / Maths / Economics / History
09/01/2027	Saturday	Phy. Edu / I.P/Painting / App. Maths/Music
11/01/2027	Monday	Chemistry / Business Studies/ Political Sci
13/01/2027	Wednesday	English Core / Elective

Note:

- 1. All the documents & Fee should be deposited at the school office before commencement of I Term Exam.
- 2. There will be no re-exam in any case.
- 3. All the students should be present in proper school uniform.

Principal