



St. XAVIER'S HIGH SCHOOL

GRADE XII A (2025-2026)

PRE BOARD-2 SYLLABUS

SUBJECT	TOPIC
ENGLISH	Reading : Comprehension Writing : Notice, Invitation and replies, Report writing and Formal letter(Letter To the Editor), Article Writing and Job Application Literature: Flamingo Prose • The Last Lesson • Lost Spring • Deep Water • The Rattrap • Indigo • Poets and Pancakes • The Interview and Going Places Poem • My Mother at Sixty-Six • Keeping Quiet • A Thing of Beauty • A Roadside Stand • Aunt Jennifer's Tigers Vistas • The Third Level • The Tiger King • Journey to the End of the Earth • The Enemy • On the Face of It • Memories of Childhood The Cutting of My Long Hair We Too are Human Beings
MATHEMATICS	• Chapter 1 Relation and Functions • Chapter 2 Inverse Trigonometry • Chapter 3 Matrices • Chapter 4 Determinants • Chapter 5 Continuity and Differentiability • Chapter 6 Applications of Derivatives • Chapter 7 Integrals • Chapter 8 Application of Integrals • Chapter 9 Differential Equations • Chapter 10 Vectors • Chapter 11 Three - dimensional Geometry • Chapter 12 Linear Programming • Chapter 13 Probability
PHYSICS	• Chapter 1 Electric field and Change s • Chapter 2 Electric Potential and Capacitance • Chapter 3 Current Electricity

	• Chapter 4 Magnetic effect of current • Chapter 5 Electromagnetic Induction and Alternating Current • Chapter 6 Electromagnetic waves • Chapter 7 (a) Ray Optics • (b) Wave Optics • Chapter 8 Dual nature of Radiation and Matter • Chapter 9 Atoms and Nuclei • Chapter 10 Electronic Devices
CHEMISTRY	• Chapter 1 Solution • Chapter 2 Electrochemistry • Chapter 3 Chemical Kinetics • Chapter 4 d&f block elements • Chapter 5 Coordination Compounds • Chapter 6 Haloalkanes and Haloarenes • Chapter 7 Alcohols, Phenols and Ethers • Chapter 8 Aldehydes, Ketones and Carboxylic acid. • Chapter 9 Amines C • Chapter 10 Biomolecules
BIOLOGY	• Chapter 1 Sexual Reproduction in flowering plants • Chapter 2 Human Reproduction • Chapter 3 Reproductive Health • Chapter 4 Principles of Inheritance and Variation • Chapter 5 Molecular basis of Inheritance • Chapter 6 Evolution • Chapter 7 Human Health and Diseases • Chapter 8 Microbes in Human Welfare • Chapter 9 Biotechnology- Principles and Processes • Chapter 10 Biotechnology and its Application • Chapter 11 Organisms and Populations • Chapter 12 Ecosystem • Chapter 13 Biodiversity and its Conservation
PHYSICAL EDUCATION THEORY	• Chapter 1 Management of sports event • Chapter 2 Children and women in sports • Chapter 3 yoga • Chapter 4 Physical Education and sports for CWSN • Chapter 5 sports Nutrition • Chapter 6 Test , Measurements in sports • Chapter 7 Biomechanics and sports • Chapter 8 Psychology and sports • Chapter 9 Physiology and injuries in sports • Chapter 10 Training in sports
PSYCHOLOGY THEORY	• Chapter 1 Variations in Psychological Attributes • Chapter 2 Self and Personality • Chapter 3 Meeting life challenges • Chapter 4 Psychological Disorders • Chapter 5 Therapeutic Approaches • Chapter 6 Attitudes and Social Cognition • Chapter 7 Social Influence and Group processes
IP THEORY	• Chapter 1 Python Pandas-1 • Chapter 3 Plotting with PyPlot

	• Chapter 4 Importing/Exporting Data between CSV Files/MySQL and Pandas • Chapter 5 MySQL SQL Revision Tour • Chapter 6 MySQL Functions • Chapter 7 Querying Using SQL • Chapter 8 JOINS and SET Operations • Chapter 9 Introduction to Computer Network • Chapter 10 Introduction to Internet and Web • Chapter 11 Societal Impacts
PAINTING	• Unit 1: The Rajasthani and Pahari Schools of Miniature Painting • Unit 2: The Mughal and Deccan Schools of Miniature Painting • Unit 3: The Bengal School and the Modern Trends in Indian Art

CLASS TEACHER

ACADEMIC COORDINATOR