

DAV PUBLIC SCHOOL, BERHAMPUR, ODISHA

Subject wise Syllabus for Entrance Examination

Std. XI (2023 – 24)

Sl. No.	Subject	Syllabus
1.	Physics	I. Mechanics: Motion, Force & Newton's Laws, Work, Energy & Power II. Light: Refraction & Reflection of light at a plane surface, Refraction through a Prism, Spectrum III. Current Electricity IV. Magnetic effects of Current V. Calorimetry VI. Gravitation
2.	Chemistry	I. Structure of Atom II. Periodic Table & Properties III. Chemical Bonding IV. Metallurgy (Metal & Non – Metal) V. Acids, Bases & Salts VI. Organic Chemistry (IUPAC Names, Isomerism & Hydro Carbons)
3.	Mathematics	I. Number System II. Algebra III. Commercial Mathematics IV. Geometry V. Mensuration VI. Trigonometry VII. Statistics VIII. Coordinate Geometry IX. Probability
4.	Biology	I. The Living World II. Plant and Animal Kingdom III. Cell and Molecular Biology IV. Genetics & Evolution V. Human Physiology and Plant Physiology
5.	Computer Science	I. Computer Fundamental II. Problem Solving Technique III. General Programming Concepts
6.	Mental Ability	Aptitude & Reasoning Type
