



ICSE

CLASS 8

SCIENCE

Class 8 Science (Physics, Chemistry, Biology)

Foundational prep for ICSE board curriculum: Physics (force & moments, liquid pressure, light refraction & curved mirrors, heat capacity, static electricity); Chemistry (atomic models, types of reactions, hydrogen, carbon allotropes); Biology (plant transport, reproduction, ecosystems, human circulatory & endocrine systems).

GOVERNING BOARD
ICSE

THEORY EXAMINATION
80 Marks

INTERNAL / PRACTICAL
20 Marks

EXAM DURATION
2 Hours

UNIT-WISE SYLLABUS & MARKS BREAKDOWN

UNIT	CHAPTERS & PRESCRIBED TOPICS	MARKS
Physics	Principles of Physics Matter; Density & floatation; Force and pressure; Work, energy and power; Light (Refraction, spherical mirrors); Heat transfer; Sound (Pitch, frequency, timbre); Electricity (Ohm's law, circuits)	28
Chemistry	Inorganic & Physical Chemistry Atomic structure (Dalton, Thomson, Rutherford, Bohr); Chemical reactions (combination, decomposition, displacement); Hydrogen (lab prep); Water (solubility, hardness); Carbon allotropes	26
Biology	Biological Systems Transport in plants (osmosis, transpiration); Reproduction in plants & humans; Ecosystems; Human body: Endocrine and Circulatory systems; Food production and animal husbandry	26

INTERNAL / PRACTICAL ASSESSMENT SCHEME (20 MARKS)

EVALUATION COMPONENT	MARKS WEIGHTAGE
School Term Examinations Mid-term and annual written science assessments	10 Marks
Lab Practical Portfolio Experimental records, specimens, project report	10 Marks

RECOMMENDED REFERENCE LITERATURE

Prescribed Textbooks: Concise Physics/Chemistry/Biology Class 8 (Selina), Excellence Science Problem Banks

THE EXCELLENCE TUITION EDGE

Every unit in this curriculum is taught with structured conceptual lectures, followed by weekly speed-testing, detailed mistake analysis, and dedicated 1:1 doubt-clearing sessions to build board exam confidence.