



ICSE · CLASS 6

Science (Physics, Chemistry, Biology)

CISCE curriculum for Upper Primary (Class 6) developing foundational disciplinary separation across physical matter, living systems, energy, and chemical interactions.

Board: Council for the Indian School Certificate Examinations (CISCE RDCD)

Theory: 80 Marks

Internal/Practical: 20 Marks

Exam Duration: 2 Hours

UNIT-WISE SYLLABUS & MARKS BREAKDOWN

UNIT	CHAPTERS & PRESCRIBED TOPICS	MARKS
Physics	Matter, Measurement, Force & Energy Matter: States and characteristics; Physical Quantities and Measurement (Length, mass, time, area, SI units, standard instruments); Force: Meaning, types of forces (contact and non-contact), friction; Simple Machines: Lever, pulley, inclined plane; Energy: Forms of energy, kinetic and potential energy conversion; Light: Sources, shadows, eclipses	28
Chemistry	Introduction to Chemistry & Pure Substances Introduction to Chemistry: Development of chemistry, notable chemists, apparatus in chemistry lab; Elements, Compounds and Mixtures: Symbols of elements, chemical formulas, differences between mixtures and compounds; Separation of mixtures; Matter: Characteristics of states of matter	26
Biology	Plant & Animal Life, Human Body Plant Life: The Leaf (parts, venation, functions, modifications), The Flower (parts, pollination, fertilization, fruit formation); Cell: Plant and animal cell structure; Digestive System: Alimentary canal, digestive glands, process of digestion; Respiratory System: Organs, mechanism of breathing	26

INTERNAL / PRACTICAL ASSESSMENT SCHEME (20 MARKS)

EVALUATION COMPONENT	MARKS WEIGHTAGE
Classwork & Unit Evaluations Continuous written testing and scientific reasoning exercises	10 Marks
Science Journal & Practical Records Diagram portfolio, specimen observation, hands-on activities	10 Marks

RECOMMENDED REFERENCE LITERATURE

Prescribed Textbooks: Concise Science Class 6 (Selina Publishers), Frank ICSE Science, Excellence Science Foundation Notes

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.

Excellence Tuition Centres: Sarsuna (Opp. High School) · Joka · Chatterjee Para (Behala)

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