



YEAR 10 CURRICULUM OVERVIEW

Compulsory Core Subjects 2025-2026




ISB offers a balanced, challenging, and rich programme of study based on an internationally adapted British National Curriculum. This document shows the overview of the topics that Year 10 students will study in each term throughout the year*. Topic resources and lessons are shared via class Teams and students use a combination of devices and exercise books to record their learning. To ensure that *Everyone Excels*, students receive regular feedback in a variety of forms to support their progress.

IGCSE Core Examined Subjects

Subject	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
 English Literature	Comprehension Skills: Understanding implicit and explicit meaning and attitudes.		Reading Skills: Analysing and evaluating techniques writers use to influence the audience and achieve effects.		Summary Writing Skills: Selecting and using information.	
 English Language	Prose Study: 'To Kill a Mockingbird' by Harper Lee		Poetry Study: Kayo Chingonyi		Drama Study: 'Princess and The Hustler'	




Mathematics

Students who are achieving below a Grade C (Grade 4/5) will study the Core syllabus. A Grade C is the general requirement for IB and higher education courses. The Extended syllabus is intended for students who are likely to achieve Grade C or above in the Cambridge IGCSE Mathematics examination. Students who are working at a Grade A (Grade 7) or above may be invited onto the accelerated Maths class, where they will also study Further Pure Mathematics. Further Pure Mathematics students will be required to attend extra after school sessions and expected to engage in additional independent study.

 Mathematics (Core Syllabus)	NUMBER: Types of Numbers, BIDMAS, Integers, Negative Numbers, Fractions, Decimals, Rounding & Estimation, Ordering Fractions, Decimals, Percentages ALGEBRA: Algebraic Manipulation & Algebraic Fractions	ALGEBRA: Solving Equations GEOMETRY: Symmetry, Pythagoras, Area & Perimeter	NUMBER: Index Laws FUNCTIONS: Using a GDC, Sketching Functions (Co1 ONLY) GEOMETRY: Coordinate Geometry, Angle Facts & Circle Theorems STATISTICS & PROBABILITY: Probability
 Mathematics (Extended Syllabus)	NUMBER: Surds ALGEBRA: Algebraic Manipulation, Algebraic Fractions, Sequences, Solving Equations, Equations of Proportion	FUNCTIONS: Using a GDC, Sketching Functions (GDC), Asymptotes, Transforming Functions, Quadratic Functions GEOMETRY: Symmetry, Pythagoras	NUMBER: Index Laws GEOMETRY: Area & Perimeter, Coordinate Geometry, Angle Facts & Circle Theorems, Circles, Arcs & Sectors, Volume & Surface Area STATISTICS & PROBABILITY: Probability, Averages (GDC)
 Further Pure Mathematics (Invitational only)	NUMBER: Surds, Standard Form, Rates ALGEBRA: Sequences, Equations of Proportion GEOMETRY: Pythagoras & 3D Pythagoras, Parallel & Perpendicular Lines PROBABILITY & STATISTICS: Probability, Sets & Venns	FUNCTIONS: Sketching Functions (GDC), Asymptotes, Transforming Functions, Quadratic Functions, Inverse & Composite Functions ALGEBRA: Solving Inequalities GEOMETRY: Coordinate Geometry, Circles, Arcs & Sectors, Angle Facts & Circle Theorems, Similar Shapes	FUNCTIONS: Trigonometric Functions GEOMETRY: Magnitude of Vectors, Transformations, Trigonometry & 3D Trigonometry, Further Trigonometry PROBABILITY & STATISTICS: Scatter Diagrams, Cumulative Frequency Graphs, Averages & Range




Coordinated Science (2 IGCSEs awarded)

All students will generally study IGCSE Coordinated Science. Coordinated Science involves Biology, Chemistry and Physics. Students who have studied Coordinated Science are eligible to study any Science at Higher Level for IB. Coordinated Science IGCSE is recognised by universities around the world.



 Coordinated Science Biology	B1 Characteristics of living organisms, B2 Cells, B3 Movement in and out of cells B4 Biological molecules	B5 Enzymes B6 Plant nutrition	B7 Human nutrition	B8 Transport in plants B9 Transport in plants B10 Diseases and immunity	B11 Gas exchange in humans B12 Respiration	B13 Coordination and response
 Coordinated Science Chemistry	C1 States of matter	C10 Chemistry of the environment	C2 Atoms, elements and compounds	C3 Stoichiometry and C12.1-2 Experimental Techniques	C4 Electrochemistry C5 Chemical Energetics	C6 Chemical Reactions
 Coordinated Science Physics	P1 Motion, forces and energy		P2 Thermal physics		P3 Waves	

Triple Science (3 IGCSEs awarded)

Triple science is for students who are likely to be studying 2 Sciences at Higher Level for IB and pursue a science related degree at university. To request the option to study the IGCSE Triple Science Pathway, the student should be excelling in the subject in Y9 with current levels of at least 6+. Final decision to accept pupils into Triple Science is based on performance in Sciences in Year 9 and other evidence that is considered by the Head of Science. By electing to study Triple Sciences, students will only be left with two additional IGCSE options subject to choose from.

 Triple Science Biology	B1 Characteristics and classification of living organisms B2 Cells B3 Movement in & out of cells	B4 Biological molecules B5 Enzymes B6 Plant Nutrition	B7 Human nutrition	B8 Transport in plants B9 Transport in plants	B10 Disease and immunity B11 Gas exchange	B12 Respiration
 Triple Science Chemistry	C1 States of matter	C10 Chemistry of the environment	C2 Atoms, elements and compounds	C3 Stoichiometry and C12.1-2 Experimental Techniques	C4 Electrochemistry C5 Chemical Energetics	C6 Chemical Reactions
 Triple Science Physics	P1 Motion, forces and energy		P2 Thermal physics	P3 Waves	P3 Waves P6 Space physics	P6 Space physics

Core Non-Examined Subjects

 Physical Education	Over the course of the year students will participate in a range of activities; Aquatics, Aquatic Games, Athletics, Health & Well-being, Indoor Invasion Games, Interhouse Football & Swimming, Net Games, Outdoor Invasion Games, Personal Survival, Rounders, Softball, Striking and Fielding, Stroke Development, Swim Fitness and Sports Day.					
 Global Life Skills	Mindfulness / Respect / Aspirations	Time Management / Learning Styles	Body Image / Peer Pressure / Sex Education	Communication / Study Skills	Digital Citizenship / E-Safety / Study Skills	Resilience / Healthy Lifestyle

Every Term, parents will receive a progress report that outlines how the student is progressing. Progress and next steps are discussed at subsequent Parent Teacher Meetings.

*Please note that this is a fluid document and is subject to change depending on regular curriculum reviews.