

# IB Math HL First year

week		syllabus
1	Day 1	Sequence and series
	Day 2	Counting and Binomials
	Day 3	Math matical induction
	Day 4	Trigonometry 1
	Day 5	Trigonometry 2
2	Day 6	Intro to Calculus
	Day 7	Rule of differentiation
	Day 8	Properties of curve
	Day 9	Application of Differentiation
	Day 10	Integration
	Day 11	Integration

# IB Chem HL First year

week		syllabus
1	Day 1	Quantitative - nomenclature, mole, equation (Review)
	Day 2	Atom - structure, periodicity (Review)
	Day 3	Bonding - Intramolecular, Intermolecular (Review)
	Day 4	Energetics - Enthalpy
	Day 5	Energetics - Entropy, Gibb's free energy
	Day 6	Kinetics - Rate Law
2	Day 7	Kinetics - Reactino Mechanisms
	Day 8	Equilivrium - Equilibrium constant
	Day 9	Equilivrium - Le Chatelier
	Day 10	Acid and Base - definition of acid and base
	Day 11	Acid and Base - $K_a$ , $K_b$ , $K_w$