Year 1 Math AA

Y1 MATH AA HL	
Topic	Subtopics
Proof	- Direct Proof / Contrapositive / Contradiction / Counterexamples - Mathematical Induction
Trigonometry	- Trigonometric Basics - Trigonometric Identities & Formulae - Inverse Trig - Graphs of Trigonometric Functions - Additionanl Geometry
Differential Calculus	- Limit - Slope & Derivative - Various Rules - Maximum/Minimum & Point of Inflection - Tangent & Normal - Simple Kinematics

Y1 MATH AA SL	
Topic	Subtopics
Trigonometry	- Trigonometric Basics - Trigonometric Identities & Formulae - Graphs of Trigonometric Functions - Additionanl Geometry
Statistics & Probability	- Presentation of Data - Central Tendency of Data - Spread of Data - Probability Basics & Simple Formulae - Diagrams
Differentiation	- Limit - Slope & Derivative - Various Rules - Maximum/Minimum & Point of Inflection - Tangent & Normal

Y1 MATH AI HL	
Topic	Subtopics
Complex Numbers	- Copmlex Number Properties - Complex Number Calculations - Powers & Roots of Complex Numbers
Descriptive Statistics	- Presentation of Data - Central Tendency of Data - Spread of Data
Probability	- Probability Fundamentals - Diagrams - Probability Calculations - (Tentative) Application of Counting Principle to Complex Situations
Probability Distribution	- Continuous & Discrete Variables - Binomail Distribution - Poisson Distribution - Normal Distribution - Transformation & Combination of Data - Markov Chain

Year 1 Biology

BIO Y1 HL				
theme	level of organization			
	molecules	cells	organisms	ecosystem
unity and diversity	A 1.1 water A 1.2 nucleic acid	A 2.1 origins of cells* A 2.2 cell structure A 2.3 virus*	**A 3.1 diversity of organisms** **A 3.2 classification and cladistics***	**A 4.1 evolution and speciation** **A 4.2 conservation of biodiversity**
forms and functions	B 1.1 carbohydrates and lipids B 1.2 proteins	B 2.1 membranes and membrane transport B 2.2 organelles and compartmentalizatio n B 2.3 cell specialization	B 3.1 gas exchange B 3.2 transport B 3.3 muscle and motility*	B 4.1 adaptations to environment B 4.2 ecological niches
interactions and interdependence	C 1.1 enzymes and metabolism C 1.2 cell repiration C 1.3 photosynthesis	C 2.1 chemical signalling* C 2.2 neural signallining	C 3.1 integration of body systems C 3.2 defence against disease	C 4.1 populations and communities C 4.2 transfers of energy and matter
continuity and change	D 1.1 DNA replication D 1.2 protein synthesis **D 1.3 mutations and gene editing**	**D 2.1 cell and nuclear division** **D 2.2 gene expression*** D 2.3 water potential	D 3.1 reproduction **D 3.2 inheritance** D 3.3 homeostasis	**D 4.1 natural selection** D 4.2 stability and change D 4.3 climate change

BIO Y1 SL				
theme	level of organization			
	molecules	cells	organisms	ecosystem
unity and diversity	A 1.1 water A 1.2 nucleic acid	~~A 2.1 origins of cells*~~ A 2.2 cell structure ~~A 2.3 virus*~~	**A 3.1 diversity of organisms** ~~A 3.2 classification and cladistics*~~	**A 4.1 evolution and speciation** **A 4.2 conservation of biodiversity**
forms and functions	B 1.1 carbohydrates and lipids B 1.2 proteins	B 2.1 membranes and membrane transport B 2.2 organelles and compartmentalizatio n B 2.3 cell specialization	B 3.1 gas exchange B 3.2 transport ~~B 3.3 muscle and motility*~~	B 4.1 adaptations to environment B 4.2 ecological niches
interactions and interdependence	C 1.1 enzymes and metabolism C 1.2 cell repiration C 1.3 photosynthesis	~~C 2.1 chemical signalling*~~ C 2.2 neural signallining	C 3.1 integration of body systems C 3.2 defence against disease	C 4.1 populations and communities C 4.2 transfers of energy and matter
continuity and change	D 1.1 DNA replication D 1.2 protein synthesis **D 1.3 mutations and gene editing**	**D 2.1 cell and nuclear division** ~~D 2.2 gene expression*~~ D 2.3 water potential	D 3.1 reproduction **D 3.2 inheritance** D 3.3 homeostasis	**D 4.1 natural selection** D 4.2 stability and change D 4.3 climate change

Year 1 Chemistry

Chemistry Q3 HL

Topic #	Topic	Subtopic #	Subtopic
Reactivity 1	What drives chemical reactions?	Reactivity 1.1	Measuring enthalpy change
		Reactivity 1.2	Energy cycles in reactions
		Reactivity 1.3	Energy from fuels
		Reactivity 1.4	Entropy and spontaneity (AHL)
Reactivity 2	How much, how fast and how far?	Reactivity 2.1	How much? The amount of chemical change
		Reactivity 2.2	How fast? The rate of chemical change

Chemistry Q3 SL

Topic #	Topic	Subtopic #	Subtopic
Reactivity 1	What drives chemical reactions?	Reactivity 1.1	Measuring enthalpy change
		Reactivity 1.2	Energy cycles in reactions
		Reactivity 1.3	Energy from fuels
Reactivity 2	How much, how fast and how far?	Reactivity 2.1	How much? The amount of chemical change
		Reactivity 2.2	How fast? The rate of chemical change

Year 1 Economics

Y1 Economics 진도표
3.1 Measuring economic activity and illustrating its variations
3.2 Variations in economic activity - aggregate demand and aggregate supply
3.3 Macroeconomic objectives
3.4 Economics of inequality and poverty
3.5 Demand management (demand-side policies): monetary policy
3.6 Demand management (demand-side policies): fiscal policy
3.7 Supply-side policies
시간이 남으면 Micro Review
SL: Externalities
HL: Market Power

Year 1 English

		Y1 English	
Week	Day	Curriculum	Notes
1	1	Review of Paper 1 Requirements	Paper 1
	2	Paper 1 Workshop 1: Practicing structuring and writing outlines	
	3	Paper 1 Workshop: Practicing writing body paragraphs	
	4	Timed Writing Practice: Paper 1 Intro and Body	
	5	Applying Feedback and Editing Writing	
2	6	Intro to Paper 2: Overview of Comparative Essay Structure	Paper 2
	7	Intro to Paper 2: Exploring Themes in Paper 2 Texts	
	8	Intro to Paper 2: Comparative Analysis of Characterization	
	9	Intro to Paper 2: Comparative Techniques - Literary Devices	
	10	Intro to Paper 2: How to Write an Introduction	
	11	Practice Writing an Introduction + Feedback	
3	12	Introduction to Paper 2: How to Write a Body Paragraph	
	13	Practicing Writing Body Paragraphs	
	14	Applying Feedback and Editing Body Paragraphs	
	15	Introduction to Paper 2: How to Write a Conclusion	

Y1 Geography

Week	Topic	Daily Topic
W1	Core Unit 2 : Global Climate - Responding to Climate Change	D1 Disparities in Climate Change : Measurements
		D2 Disparities in Climate Change: Factors & Case study
		D3 Government Strategies for climate change : Geopolitical Effort
		D4 Strategies for climate change : Technologies
		D5 Past Paper Questions on Climate Change
W2	Core Unit 3 : Global Resource Consumption & Security : 3.1	D6 Global Trends in Consumption : Emergence of Global Middle Class
		D7 Emergence of Global Middle Class : Case study
		D8 Trends in Resource Consumption : Renewable vs Non Renewable, Ecological Foot Print
		D9 Trends in Water, Food, Energy Consumption 1
		D10 Trends in Water, Food, Energy Consumption 2
W3	3.2: Nexus	D11 Nexus Interactions and Connections
		D12 Climate Change and Nexus
		D13 Nexus Case studies
	3.3 Resource Stewarship	D14 Varying Views on Population Growth : Pessimistic vs Optimistic
		D15 Sustainable Development : UN's SDG, Circular Economy

Year 1 Physics

IB physics HL Y1 Q3		
Themes	Topics	Note
A. Space, time and motion (시공간, 물체의 움직임)	A.5 Galillean and special relativitiy **	
B. The particulate nature of matter (다입자 체계의 이해)	B.1 Thermal energy transfers	
	B.2 Greenhouse effect	
	B.3 Gas laws	
	B.4 Thermodynamics **	
C. Wave behaviour (단순조화진동과 파동)	C.1 Simple harmonic motion *	
	C.2 Wave model	

IB physics SL Y1 Q3		
Themes	Topics	Note
B. The particulate nature of matter (다입자 체계의 이해)	B.1 Thermal energy transfers	
	B.2 Greenhouse effect	
	B.3 Gas laws	
C. Wave behaviour (단순조화진동과 파동)	C.1 Simple harmonic motion	
	C.2 Wave model	
	C.3 Wave phenomena	
	C.4 Standing waves and resonance	
	C.5 Doppler effects	

Y1 PSYCH Daily Topic
D1 Social Identity Theory Concepts & Experiment
D2 Social Identity Theory & Application
D3 Social Cognitive theory Concepts & Experiments
D4 Social Cognitive theory & Contrasting views
D5 Enculturaiton Concepts and Experiments
D6 Acculturation Concepts and Experiments
D7 Stereotype formation & Experiments
D8 Stereotype Effects & Experiments
D9 Sociocultural Perspective ERQ Structure & Writing
D10 Schema theory &Experiments
D11 Evaluating Schema theory / Reconstructive Memory Concepts
D12 Reconstructive memory Experiments & Contrasting views
D13 Flashbulb Memory Theory Concepts & Experiments
D14 Contrasting Views on FBM
D15 Congtivie Perspective ERQ Structure & Writing