Year 1 Biology

Q4 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 compartmentalization 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

Chemistry Q4 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

All chapter 탄탄한 복습

Chemistry Q4 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

All chapter 탄탄한 복습

Year 1 Physics

Spring (Q4)	
	HL
Week 1	A.5 Relativity
Week 2	B.1 Thermal energy transfer
Week 3	B.1 Thermal energy transfer
Week 4	B.2 Greenhouse effect
Week 5	B.3 Gas laws
Week 6	B.3 Gas laws
Week 7	B.4 Thermodynamics
Week 8	C.1 Simple harmonic motion
Week 9	C.2 Wave model / C.3 Wave phenomena (Intensity, Superpostion
Week 10	C.3 Wave phenomena (Reflection, Refraction)
Week 11	C.3 Wave phenomena (Diffraction, Interference)
Week 12	C.3 Wave phenomena (Interference HL)

Year 1 Math

Week	Topic
W1(Y1 Sem 1 Review)	Sequence & Series Exponential & Logarithmic Function Basics Binomial Theorem
W2(Y1 Sem 1 Review)	Domain & Range, Composite Rational Functions, Asymptotes & Graphs
W3(Y1 Sem 1 Review)	Inverse Transformations of Functions
W4(Y1 Sem 1 Review)	Exponential & Logarithmic Function
W5(Geometry)	Fundamental Geometry Radians, Length of Arc, Area of Sector Trigonometry Fundamentals
W6(Geometry)	Trigonometry Graphs Sine Rule & Cosine Rule
W7(Geometry)	Inverse Trig Trig Identities
W8(Proof)	Direct Proof Contradiction Mathematical Induction
W9(Proof)	Mathematical Induction
W10(Exam Prep)	Function Recap
W11(Exam Prep)	Geometry and Trig Recap
W12(Exam Prep)	Proof Recap
만약 수강생들 중 학교에서 봄 학기 동안 Complex Number, Vector, 혹은 Probability 진도를 나간 수강생의 수가 많을 경우, 마지막 3주 동안 해당 내용의 복습도 진행할 예정입니다.	

Year 1 Economics

2025 Q4 Economics HL 진도표
2.7 Role of governments in microeconomies
2.8 Market failure externalities and common pool or common access resources
2.9 - 2.10 Market failure - public goods & asymmetric information (HL)
2.11 Market failure - market power (HL)
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