Year 1　23-24 겨울방학 세터스 진도표

Year 1 Biology HL 겨울 진도표 Q3	
A2.3	viruses
D1.3	mutation / gene editing
D1.3	mutation / gene editing
D2.1	cell and nuclear division
D2.1	cell and nuclear division
D2.3	water potential
D3.2	inheritance
D3.2	inheritance
A4.1	evolution and speciation
A4.1	evolution and speciation
A3.1	diversity of organisms
A3.1	diversity of organisms
A3.2	classification and cladistics
A3.2	classification and cladistics

Year 1 Biology SL 겨울방학 진도표 Q3	
A2.3	viruses
D1.3	mutation / gene editing
D1.3	mutation / gene editing
D2.1	cell and nuclear division
D2.1	cell and nuclear division
D2.3	water potential
D3.2	inheritance
D3.2	inheritance
A4.1	evolution and speciation
A4.1	evolution and speciation
A3.1	diversity of organisms
A3.1	diversity of organisms
A3.2	classification and cladistics
A3.2	classification and cladistics

Year 1 Chemistry HL Winter

Stage	Title	Syllabus #	Syllabus
Structure 1	Models of the particulate nature of	Structure 1.4	Counting particles by mass: The mole
		Structure 1.5	Ideal gases
Structure 2	Models of bonding and structure	Structure 2.2	The covalent model
Structure 3	Classification of matter	Structure 3.1	The periodic table: Classification of elements
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

Year 1 Chemistry SL Winter

Stage	Title	Syllabus #	Syllabus
Structure 1	Models of the particulate nature	Structure 1.3	Electron configurations
		Structure 1.4	Counting particles by mass: The mole
Structure 2	Models of bonding and structure	Structure 2.2	The covalent model
Structure 3	Classification of matter	Structure 3.1	The periodic table: Classification of elements
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
	Tools for chemistry	Tool 3	Mathematics

Year 1 Economics HL Winter
Unit 2: Microeconomics
2.8 Market failure—externalities and common pool or common access resources (includes HL only calculation)
2.9 Market failure—public goods
2.10 Market failure—asymmetric information (HL only)
2.11 Market failure—market power (HL only)
2.12 The market's inability to achieve equity (HL only)
Unit 3: Macroeconomics
3.1 Measuring economic activity and illustrating its variations
3.2 Variations in economic activity—aggregate demand and aggregate supply
3.3 Macroeconomic objectives (includes HL only calculation)
3.4 Economics of inequality and poverty (includes HL only calculation)
3.5 Demand management (demand side policies)—monetary policy (includes HL only sub-topics)
3.6 Demand management—fiscal policy (includes HL only sub-topics)
3.7 Supply-side policies

Review

Main Lecture

Year 1 Economics SL Winter
Unit 2: Microeconomics
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3.7 Supply-side policies

Review

Main Lecture

Year 1 Geography Winter	
Topic	**Daily Topic**
Core Unit 2 : Global Climate - Responding to Climate Change	Disparities in Climate Change : Measurements
	Disparities in Climate Change: Factors & Case study
	Government Strategies for climate change : Geopolitical Effort
	Strategies for climate change : Technologies
	Past Paper Questions on Climate Change
Core Unit 3 : Global Resource Consumption & Security : 3.1	Global Trends in Consumption : Emergence of Global Middle Class
	Emergence of Global Middle Class : Case study
	Trends in Resource Consumption : Renewable vs Non Renewable, Ecological Foot Print
	Trends in Water, Food, Energy Consumption 1
	Trends in Water, Food, Energy Consumption 2
3.2: Nexus	Nexus Interactions and Connections
	Climate Change and Nexus
	Nexus Case studies
3.3 Resource Stewarship	Varying Views on Population Growth : Pessimistic vs Optimistic
	Sustainable Development : UN's SDG, Circular Economy

Year 1 Psychology Winter	
Topic	**Daily Topic**
Core: Sociocultural Perspective Keys	Social Identity Theory Concepts & Experiment
	Social Identity Theory & Application
	Social Cognitive theory Concepts & Experiments
	Social Cognitive theory & Contrasting views
	Enculturaiton Concepts and Experiments
	Acculturation Concepts and Experiments
	Stereotype formation & Experiments
	Stereotype Effects & Experiments
	Sociocultural Perspective ERQ Structure & Writing
Cognitive Perspective Keys	Schema theory &Experiments
	Evaluating Schema theory / Reconstructive Memory Concepts
	Reconstructive memory Experiments & Contrasting views
	Flashbulb Memory Theory Concepts & Experiments
	Contrasting Views on FBM
	Congtivie Perspective ERQ Structure & Writing

Math AA HL Y1

Differential Calculus+paper2,3
Integral Calculus+paper2,3
Kinematics+paper2,3
Differential equation+paper2,3
Maclaurin series+paper2,3
Vectors + paper2,3

Math AA SL Y1

Differenetial Calculus+paper1,2
Integral Calculus+paper1,2
Kinematics+paper1,2
Calculus+paper1,2
Trigonometry+paper1,2
Binomial Theorom+paper1,2

Math AI HL Y1

Probability+paper2,3
Distribution + paper2,3
Hypothesis testing+paper2,3
Estimation & confidence interval +paper2,3
Calculus+paper2,paper3
Trigonometry+paper2,3
Vector+paper2,3

Year 1 Physics HL Winter
B.1 Thermal energy transfers
B.2 Greenhouse effect
B.3 Gas laws
B.4 Thermodynamics
C.1 Simple harmonic motion
C.2 Wave model
C.3 Wave phenomena *
C.4 Standing waves and resonance
C.5 Doppler effect *

Year 1 Physics SL Winter
B.1 Thermal energy transfers
B.2 Greenhouse effect
B.3 Gas laws
C.1 Simple harmonic motion
C.2 Wave model
C.3 Wave phenomena *
C.4 Standing waves and resonance
C.5 Doppler effect *

Year 2　23-24 겨울방학 세터스 진도표

Year 2 Biology HL 겨울방학 진도표 Q7	
9.1	9.1 transport in the xylem of plants
9.2	9.2 trasnsport in the phloem of plants
9.3	9.3 growth in plants
9.4	9.4 reproduction in plants
3.1/3.2	3.1 genes / 3.2 chromosomes
3.3	3.3 meiosis / 10.1 meiosis
3.4	3.4 iheritance / 10.2 inheritance
3.5	3.5 genetic modification and biotechnology
10.3	10.3 gene pools and speciation
11.1/11.3	11.1 antibody production and vaccination / 11.3 the kidney and osmoregulation
11.2/11.4	11.2 movement / 11.4 sexual reproduction
4.1/4.2	4.1 species, communities and ecosystems / 4.2 energy flow
4.3/4.4	4.3 carboncycling / 4.4 climate change
5.1/5.2	5.1 evidence for evolution / 5.2 natural selection
5.3/5.4	5.3 classification of biodiverisity / 5.4 cladistics

Year 2 Biology SL 겨울방학 진도표 Q7	
3.1/3.2	3.1 genes / 3.2 chromosomes
3.3	1.6 cell division / 3.3 meiosis
3.4	3.4 iheritance
3.5	3.5 genetic modification and biotechnology
4.1/4.2	4.1 species, communities and ecosystems / 4.2 energy flow
4.3/4.4	4.3 carboncycling / 4.4 climate change
5.1/5.2	5.1 evidence for evolution / 5.2 natural selection
5.3/5.4	5.3 classification of biodiverisity / 5.4 cladistics
6.1/6.2	6.1 digestion and absorption / 6.2 the blood systme
6.3/6.5	6.3 defence against infectious disease / 6.5 neurons and synapses
6.6	6.6 hormones, homeostasis and reproduction
2.7	2.7 DNA replication, transcription and translation
2.8/2.9	2.8 cell respiration / 2.9 photosynthesis
2.3	2.3 carbohydrates and lipids
2.4/2.5	2.4 protein / 2.5 enzymes

Year 2 Chemistry HL Winter

Topic	Subtopic	Y2 Winter (15) Q7
1. Stoichiometric relationship	1.1 Particulate nature of matter	
	1.2 The mole concept	
	1.3 Reacting masses and volumes	
2. Atomic structure	2.1 The nuclear atom	
	2.2 Electron configuration	
3. Periodicity	3.1 Periodic table	
	3.2 Periodic trends	
4. Chemical bonding and structure	4.1 Ionic bonding and structure	
	4.2 Covalent bonding	
	4.3 Covalent structures	
	4.4 Intermolecular forces	
	4.5 Metallic bonding	
5. Energetics	5.1 Measuring energy changes	
	5.2 Hess's Law	
	5.3 Bond enthalpies	
6. Chemical kinetics	6.1 Collision theory and rates of reaction	
7. Equilibrium	7.1 Equilibrium	
8. Acids and bases	8.1 Theories of acids and bases	
	8.2 Properties of acids and bases	
	8.3 The pH scale	
	8.4 Strong and weak acids and bases	
	8.5 Acid deposition	
9. Redox processes	9.1 Oxidation and reduction	
	9.2 Electrochemical cells	
10. Organic chemistry	10.1 Fundamentals of organic chemistry	
	10.2 Functional group chemistry	
11. Measurement and data processing	11.1 Uncertainties and errors	
	11.2 Graphical techniques	
	11.3 Spectroscopic identification	
12. Atomic structure*	12.1 Electrons in atoms	
13. The periodic table - the transition	13.1 First-row d-block elements	
	13.2 Coloured complexes	
14. Chemical bonding	14.1 Further aspects of covalent bonding and structure	
	14.2 Hybridization	
15. Energetics*	15.1 Energy cycles	
	15.2 Entropy and spontaneity	
16. Chemical kinetics*	16.1 Rate expression and rate mechanism	
	16.2 Activation energy	
17. Equilibrium*	17.1 The equilibrium law	
18. Acids and bases*	18.1 Lewis acids and bases	
	18.2 Calculations involving acids and bases	
	18.3 pH curves	
19. Redox processes*	19.1 Electrochemical cells	
20. Organic chemistry	20.1 Types of organic reactions	
	20.2 Synthetic routes	
	20.3 Stereoisomerism	
21. Measurement and analysis*	21.1 Spectroscopic identification	

	진도
	간단히 훑기
	탄탄한 복습

Year 2 Chemistry SL Winter

Topic	Subtopic	Y2 Winter (15) Q7
1. Stoichiometric relationship	1.1 Particulate nature of matter	
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2. Atomic structure	2.1 The nuclear atom	
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	11.2 Graphical techniques	
	11.3 Spectroscopic identification	

	진도
	간단히 훑기
	탄탄한 복습

Year 2 Economics HL Winter
Unit 1: Introduction to economics
1.1 What is economics?
1.2 How do economists approach the world?
Unit 2: Microeconomics
2.1 Demand (includes HL only sub-topics)
2.2 Supply (includes HL only sub-topics)
2.3 Competitive market equilibrium
2.4 Critique of the maximizing behaviour of consumers and producers
2.5 Elasticity of demand (includes HL only sub-topics)
2.6 Elasticity of supply (includes HL only sub-topics)
2.7 Role of government in microeconomics (includes HL only calculation)
2.8 Market failure—externalities and common pool or common access resources (includes HL only calculation)
2.9 Market failure—public goods
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3.5 Demand management (demand side policies)—monetary policy (includes HL only sub-topics)
3.6 Demand management—fiscal policy (includes HL only sub-topics)
3.7 Supply-side policies
Unit 4: The global economy
4.1 Benefits of international trade (includes HL only subtopics and calculation)
4.2 Types of trade protection (includes HL only calculations)
4.3 Arguments for and against trade control/protection
4.4 Economic integration
4.5 Exchange rates (includes HL only sub-topic)
4.6 Balance of payments (includes HL only sub-topics)
4.7 Sustainable development (includes HL only sub-topic)
4.8 Measuring development
4.9 Barriers to economic growth and/or economic development
4.10 Economic growth and/or economic development strategies

Review

Main Lecture

Year 2 Economics SL Winter
Unit 1: Introduction to economics
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4.7 Sustainable development (includes HL only sub-topic)
4.8 Measuring development
4.9 Barriers to economic growth and/or economic development
4.10 Economic growth and/or economic development strategies

Review

Main Lecture

Math AA HL Y2

Differential Calculus+paper3
Integral Calculus+paper3
Kinematics+paper3
Differential equation+paper3
Maclaurin series+paper3
Vectors + paper3
Calculus+paper2
Vectors + paper2

Math AA SL Y2

Differential Calculus+paper2
Integral Calculus+paper2
Kinematics+paper2
Calculus+paper2
Calculus+paper1
Trigonometry+paper2
Binomial Theorom+paper2

Math AI HL Y2

Distribution + paper2,3
Hypothesis testing+paper2,3
Estimation & confidence interval +paper2,3
Calculus+paper2, paper3
Trigonometry+paper2,3
Vector+paper2,3
Graph theory+paper2,3
Complex numbers+paper2,3

Year 2 Physics HL Winter
8.1 Energy sources
8.2 Thermal energy transfer
9.1 SHM
9.2 Single-slit diffraction
9.3 Interference
9.4 Resolution
9.5 Doppler effect
10. Fields
11.1 Induction
11.2 Power Generation/Transmission
11.3 Capacitance
12.1 The interaction of matter with radiation
12.2 Nuclear physics

Year 2 Physics SL Winter
2. Mechanics (Review)
6. Circular motion (Review)
3. Thermal physics (Review)
4. Waves
5. Electricity and magnetism
7. Atomic, Nuclear, and Particle Physics
8. Energy production

Year 2 Psychology Winter	
Topic	**Daily Topics**
Solidifying Critical Thinking Skills& Core Knowledge	Evaluating & Re-writing Bio paragrphs
	Evaluating & Re-writing Cog paragraphs
	Evaluating & Re-writing Sociocu Paragraphs
	Evaluating Research Exercise
	ERQ Structure & Writing : To what extent
Option #1 Abnormal: Key concepts	Biases in Diagnosis
	Validity and Reliability of Diagnosis
	Etiology of Depression : Biology / Sociocultural
	Etiology of Depression : Sociocultural/ Cognitive
	Evaluating & Re-writing Abnormal Paragraphs
Option #2 Human Relationships	Group Dynamics - Orgins of prejudice and discrimination
	Origins of prejudice and Discrimination
	Cooperation vs Competion Concepts and Experiments
	Altruism - Origins & Experiments
	Bystanderism : Concepts and Experiments

***Curriculums may change following the majority of students' option topics*
*** From W2, the curriculum is largely based on HL syllabus.*