

IB Eng A LAL P1 월수금

담당강사 레이첼,로지,린



[DP Y1-2 ENGLISH A P1] Syllabus_MWF

Day	In Class	Weekly Exam
WEEK 1		
1	Intro to Paper 1 Literary devices and authorial choices	
2	Rhetorical devices Speech 분석	
3	Opinion column 분석	Weekly Test 1
WEEK 2		
4	Blog post	
5	Scientific article 분석	
6	Travel writing 분석	Weekly Test 2
WEEK 3		
7	Visual devices, layout and composition Photographs 분석	
8	Advertisement 분석	
9	Charity appeal 분석	Weekly Test 3
WEEK 4		
10	Infographic 분석	
11	Graphic novel 분석	
12	Cartoons and comic strips 분석	Weekly Test 4
Note	■ Mock Exam은 없습니다.	

IB Eng A LAL P1 화목

담당강사 린

안녕하세요, Lyn입니다.

학사는 물론, 석사와 박사과정 또한 영문학을 거쳐왔으며 언제나 학생들이 영문학을

강사소개 보다 더 친근감 있게 느낄 수 있도록 교육에 임하고 있습니다.

영문학과 에세이 라이팅에는 전문성이 있으며, 학생이 영어 공부를 통해 성장해나가는 과정을 동행하겠습니다.

[DP Y1-2 ENGLISH A P1] Syllabus_TT

Day	In Class	Assignment	Weekly Exam
WEEK 1			
1	Intro to Paper 1 Literary devices and authorial choices		
2	Rhetorical devices Speech 분석		Weekly Test 1
WEEK 2			
3	Opinion column 분석	Writing Assignment 1 Due	
4	Blog post 분석		Weekly Test 2
WEEK 3			
5	Visual devices, layout and composition Advertisement 분석	Writing Assignment 2 Due	
6	Charity appeal 분석		Weekly Test 3
WEEK 4			
7	Infographic 분석	Writing Assignment 3 Due	
8	Cartoons and comic strips 분석		Weekly Test 4
Note	■ Mock Exam은 없습니다.		

IB MATH AA HL Y1

담당강사 **Brian**

강사소개

여러분 반갑습니다. Brian입니다.
 막연히 천천히 준비해도 될 것이라고, 또 여러 가지 기회가 미래에 있을 것
 이라는 생각은 잠시 접어두시기 바랍니다. 나름의 동기가 있다면 더할 나위
 없이 좋겠지만, 그렇지 않다고 해도 어차피 해야 하는 공부라면 자신이 할
 수 있는 최선을 다하시기 바랍니다. 저도 최선을 다해 최고의 수업을 하겠
 습니다.



로얄아이비 26 여름특강 1차 [DP Y1 AA HL] Syllabus

Day	In Class	Assignment	Weekly Exam
WEEK 1			
DAY 1	Ch.1 Algebra and function basics Theme 1.1 Rational functions Theme 1.2 Composite functions	Exercise 1.1 Exercise 1.2	
DAY 2	Theme 1.3 Inverse functions Theme 1.4 Function transformations	Exercise 1.3 Exercise 1.4	
DAY 3	Ch.2 Quadratics and polynomials Theme 2.1 Quadratics	Exercise 2.1	
DAY 4	Theme 2.2 Polynomials Theme 2.3 Solving equations and inequalities	Exercise 2.2 Exercise 2.3	
DAY 5	Ch.3 Sequences and series Theme 3.1 Arithmetic sequence	Exercise 3.1	Weekly Exam 1 Ch.1~2
WEEK 2			
DAY 6	Theme 3.2 Geometric sequence	Exercise 3.2	
DAY 7	Theme 3.3 Compound interest & Installment savings	Exercise 3.3	
DAY 8	Ch.4 Exponents and logs Theme 4.1 Exponential functions Theme 4.2 Logarithmic functions	Exercise 4.1 Exercise 4.2	
DAY 9	Ch.5 Counting principles Theme 5.1 Product rule and addition rule Theme 5.2 Permutation and combination	Exercise 5.2	
DAY 10	Ch.6 Binomial theorem Theme 6.1 Binomial theorem	Exercise 6.1	Weekly Exam 2 Ch.3~5
WEEK 3			
DAY 11	Ch.7 Proofs Theme 7.1 Proof by deduction Theme 7.2 Proof by exhaustion Theme 7.3 Disproof by counterexample Theme 7.4 Proof by contrapositive Theme 7.5 Proof by contradiction	Exercise 7.1 Exercise 7.2 Exercise 7.3 Exercise 7.4 Exercise 7.5	
DAY 12	Theme 7.6 Proof by mathematical induction	Exercise 7.6	
DAY 13	Theme 7.6 Proof by mathematical induction	Exercise 7.6	Weekly Exam 3 Ch.6~7
DAY 14	Ch.8 Trigonometry Theme 8.1 Angles Theme 8.2 Trigonometric ratios Theme 8.3 Trigonometric functions	Exercise 8.2 Exercise 8.3	
DAY 15	Theme 8.4 Trigonometric identities	Exercise 8.4	
WEEK 4			
DAY 16	Theme 8.5 Angle identities	Exercise 8.5	
DAY 17	Theme 8.5 Angle identities	Exercise 8.5	
DAY 18	Theme 8.6 Trigonometric equations	Exercise 8.6	
DAY 19	Ch.9 Geometry Theme 9.1 Circle geometry	Exercise 9.1	Weekly Exam 4 Ch.8
DAY 20	Theme 9.2 Sine and cosine rule	-	
Note	■ Mock Exam은 없습니다.		

IB Math AI HL Y1

담당강사 James Hong

강사소개

안녕하세요, 제임스입니다. 천체물리학 학사와 데이터 과학 석사 과정을 거치며, 7년간 IB/AP 과정을 지도하였습니다. 각 학생의 학문적 성취와 성장을 책임지는 것에 큰 자부심을 느끼며, 학생들이 목표를 달성할 수 있도록 전념합니다.



로얄아이비 26 여름특강 MATH AI HL_Y1 Syllabus

Day	In Class	Assignment	Weekly Exam
WEEK 1			
1	Topic 1A - Basic algebra 1A.1: Numbers - rounding, scientific form, % error 1A.2: Exponents 1A.3: Systems of linear equations	HW 1	
2	1A.4: Arithmetic sequences and series 1A.5: Geometric sequences and series 1A.6: Infinite series	HW 2	
3	Topic 2A - Theory of functions 2A.1: Lines 2A.2: Quadratics 2A.3: Functions, domain, range, graphs	HW 3	
4	2A.4: The inverse function 1 2A.5: The exponential function 2A.6: Logarithmic functions	HW 4	
5	2A.7: Composition of functions 2A.8: The inverse function 2	HW 5	Exam 1
WEEK 2			
6	Exam solutions 2A.9: Transformation of functions	HW 6	
7	2A.10: Brief note on asymptotes 2A.11: Logarithms 2A.12: Exponential equations	HW 7	
8	Topic 2B - Modelling with functions 2B.1: Linear model 2B.2: Quadratic and cubic models 2B.3: Power model - direct/inverse variation	HW 8	
9	2B.4: Exponential model 2B.5: Voronoi diagrams	HW 9	
10	2B.6: Percentage change - financial applications	HW 10	Exam 2
WEEK 3			
11	Exam solutions 2B.7: Logistic model 2B.8: Natural logarithmic model	HW 11	
12	Topic 3A - Trigonometry 3A.1: Three-dimensional geometry 3A.2: Triangles - sine and cosine rules 3A.3: Applications in 3D geometry - navigation	HW 12	
13	3A.4: Arcs and sectors 3A.5: The trigonometric circle 3A.6: The unit circle	HW 13	
14	3A.6: The unit circle (cont.) 3A.7: Trigonometric functions and modelling	HW 14	
15	Topic 4A - Descriptive statistics - probability 4A.1: Basic concepts of statistics 4A.2: Measures of central tendency and spread	HW 15	Exam 3
WEEK 4			
16	Exam solutions 4A.3: Frequency tables - grouped data 4A.4: Regression	HW 16	
17	4A.5: Elementary set theory 4A.6: Probability 4A.7: Conditional probability - independent events	HW 17	
18	Mock exam review 4A.8: Tree diagrams	HW 18	
19	4A.9: Distributions - discrete random variables 4A.10: Binomial distribution	HW 19	Exam 4(Final Exam)
20	Mock exam solutions 4A.11: Normal distribution		
Note	■ Mock Exam은 없습니다.		

IB Math AA SL Y1

담당강사 James Hong

강사소개

안녕하세요, 제임스입니다. 천체물리학 학사와 데이터 과학 석사 과정을 거치며, 7년간 IB/AP 과정을 지도하였습니다.
 각 학생의 학문적 성취와 성장을 책임지는 것에 큰 자부심을 느끼며, 학생들이 목표를 달성할 수 있도록 전념합니다.



로얄아이비 26 여름특강 MATH AA SL_Y1 Syllabus

Day	In Class	Assignment	Weekly Exam
WEEK 1			
1	Topic 1 - Numbers and Algebra 1.1: Arithmetic sequences and series 1.2: Geometric sequences and series	HW 1	
2	1.2: Geometric sequences and series (cont.) 1.3: Percentage change - financial applications	HW 2	
3	1.4: The binomial theorem 1.5: Deductive proof	HW 3	
4	Topic 2 - Functions 2.1: Lines 2.2: Quadratics	HW 4	
5	2.3: Functions, domain and range, graphs	HW 5	Exam 1
WEEK 2			
6	Exam solutions 2.4: Composition of functions	HW 6	
7	2.5: The inverse function 2.6: Transformations of functions	HW 7	
8	2.7: Asymptotes 2.8: Exponential functions	HW 8	
9	2.9: Logarithmic functions 2.10: Exponential equations	HW 9	
10	Topic 3 - Geometry and Trigonometry 3.1: Three-dimensional geometry	HW 10	Exam 2
WEEK 3			
11	Exam solutions 3.2: Triangles - sine and cosine rules	HW 11	
12	3.3: Applications in 3D geometry - Navigation 3.4: The trigonometric circle - arcs and sectors	HW 12	
13	3.5: sin, cos, tan on the unit circle - identities	HW 13	
14	3.6: Trigonometric equations	HW 14	
15	3.7: Trigonometric functions	HW 15	Exam 3
WEEK 4			
16	Exam solutions Topic 4 - Statistics and probability 4.1: Basic concepts of statistics	HW 16	
17	4.2: Measures of central tendency and spread 4.3: Frequency tables - grouped data	HW 17	
18	Mock exam review	HW 18	
19	4.4: Regression	HW 19	Exam 4 (Final Exam)
20	Mock exam solutions		
Note	■ Mock Exam은 없습니다.		

IB Economics HL/SL Y1

담당강사

Jason

강사소개

안녕하세요 Jason입니다.
오랫동안 학생들을 가르치면서 쌓아온 경험과 위트로 학생들이 효율적으로 공부 할 수 있도록 최선을 다하여 가르치겠습니다.

강사이력

- Edinburgh Business School 석사 (MBA)
- University of Nottingham 학사 (Applied Psychology, Management)
- British Council certified agent & counselor (영국유학 전문 상담사 수료)
- 현 로얄아이비 경제, 경영, 심리 대표강사
- IB/AP/A-LEVEL 경제/경영/심리 지도 10년 이상
- IB 경제/경영/심리 EE, IA 지도
- 영국 UCAS 및 진로 컨설팅



로얄아이비 26 여름특강 [Y1 ECON HL/SL] Syllabus

Day	In Class	Assignment	30 min	Weekly Exam
WEEK 1				
Day 1 (SL/HL)	Introduction to Economics	Unit1.1	How to answer Paper 1 10 marker	
Day 2 (SL/HL)	Behaviour Economics	Unit1.2	How to answer Paper 1 10 marker	
Day 3 (SL/HL)	Demand & Supply	Unit1.3	How to answer Paper 1 10 marker	Weekly Exam 1 10 marker
Day 4 (HL)	Rational Consumer Choice	Unit1.4	How to answer Paper 1 10 marker	
Day 5 (HL)	Asymmetric Information & Equity	Unit1.5	How to answer Paper 1 10 marker	
WEEK 2				
Day 6 (SL/HL)	PPC & Opportunity Cost	Unit2.1	How to answer Paper 1 10 marker	
Day 7 (SL/HL)	Elasticity - PED	Unit2.2	How to answer Paper 1 10 marker	
Day 8 (SL/HL)	Elasticity - PES + YED	Unit2.3	How to answer Paper 1 10 marker	Weekly Exam 2 10 marker
Day 9 (HL)	Market Power Part 1	Unit2.4	How to answer Paper 1 10 marker	
Day 10 (HL)	Market Power Part 2	Unit2.5	How to answer Paper 1 10 marker	
WEEK 3				
Day 11 (SL/HL)	Government intervention in markets	Unit3.1	How to answer Paper 1 15 marker	
Day 12 (SL/HL)	Price Ceiling & Price Floor	Unit3.2	How to answer Paper 1 15 marker	
Day 13 (SL/HL)	Indirect Tax & Subsidy	Unit3.3	How to answer Paper 1 15 marker	
Day 14 (HL)	Market Power Part 3	Unit3.4	How to answer Paper 1 15 marker	
Day 15 (HL)	Market Power Part 4	Unit3.5	How to answer Paper 1 15 marker	Mock Exam (Week3 토요일)
WEEK 4				
Day 16 (SL/HL)	Common Pool Resources & Public Goods	Unit4.1	How to answer Paper 1 15 marker	
Day 17 (SL/HL)	Positive Externalities	Unit4.2	How to answer Paper 1 15 marker	
Day 18 (SL/HL)	Negative Externalities		How to answer Paper 1 15 marker	Weekly Exam 4 10 marker
Day 19 (HL)	Common Pool Resources & Public Goods	Unit4.4	How to answer Paper 1 15 marker	
Day 20 (HL)	Market Power Revision	Unit4.5	How to answer Paper 1 15 marker	
NOTE	<ul style="list-style-type: none"> ■ HL: 월~금(주 5회) 수업 ■ SL: 월~수(주 3회) 수업 ■ Mock Test는 3주차 토요일(1차 7/4, 2차 8/1)에 진행됩니다. 			

IB Business&Management HL/SL Y1

담당강사

Jason

강사소개

안녕하세요 Jason입니다.
오랫동안 학생들을 가르치면서 쌓아온 경험과 워트로 학생들이 효율적으로 공부할 수 있도록 최선을 다하여 가르치겠습니다.

강사이력

- Edinburgh Business School 석사 (MBA)
- University of Nottingham 학사 (Applied Psychology, Management)
- British Council certified agent & counselor (영국유학 전문 상담사 수료)

- 현 로얄아이비 경제,경영,심리 대표강사
- IB/AP/A-LEVEL 경제/경영/심리 지도 10년 이상
- IB 경제/경영/심리 EE,IA 지도
- 영국 UCAS 및 진로 컨설팅



로얄아이비 26 여름특강 [Y1 BM HL/SL] Syllabus

Day	In Class	Assignment	30 min	Weekly Exam
WEEK 1				
Day 1 (SL/HL)	What is a business	Unit 1.1	How to answer questions	
Day 2 (SL/HL)	Types of Business - Unlimited	Unit 1.2	Tool Kit	
Day 3 (SL/HL)	Types of Business - Limited	Unit 1.3	Tool Kit	Weekly Exam 1 short answer questions
Day 4 (HL)	Context Assumptions part 1	Unit 1.3	Practice Questions (HL only)	
Day 5 (HL)	Context Assumptions part 2	Unit 1.3	Practice Questions (HL only)	
WEEK 2				
Day 6 (SL/HL)	Stakeholders	Unit 1.4	Tool Kit	
Day 7 (SL/HL)	Growth and Evolution	Unit 1.5	Tool Kit	
Day 8 (SL/HL)	MNC	Unit 1.6	Tool Kit	Weekly Exam 2 short answer questions
Day 9 (HL)	Business Tools for HL part 1	Tool Kit (HL)	Practice Questions	
Day 10 (HL)	Business Tools for HL part 2	Tool Kit (HL)	Practice Questions	
WEEK 3				
Day 11 (SL/HL)	Introduction to Finance	Unit 3.1		
Day 12 (SL/HL)	Sources of Finance	Unit 3.2	Practice Questions	
Day 13 (SL/HL)	Balance Sheet & Profit and Loss	Unit 3.3	Practice Questions	
Day 14 (HL)	Depreciation	Unit 3.4	Practice Questions	
Day 15 (HL)	Efficiency Ratios		Practice Questions	Mock Exam (Week3 토요일)
WEEK 4				
Day 16 (SL/HL)	Profitability Ratios	Unit 3.4	Practice Questions	
Day 17 (SL/HL)	Cash Flow	Unit 3.5	Practice Questions	
Day 18 (SL/HL)	Investment Appraisal - PBP & ARR	Unit 3.6	Practice Questions	Weekly Exam 4 - Finance
Day 19 (HL)	NPV	Unit 3.6	Practice Questions	
Day 20 (HL)	Budgeting	Unit 4.5	Practice Questions	
NOTE	<ul style="list-style-type: none"> ■ HL: 월~금(주 5회) 수업 ■ SL: 월~수(주 3회) 수업 ■ Mock Test는 3주차 토요일(1차 7/4, 2차 8/1)에 진행됩니다. 			

IB Physics SL/HL Y1

담당강사 **Jack**

안녕하세요, 짝입니다.

IB Physics는 결국 Topic A, Mechanics에서 시작해서 거기서 승부가 납니다.

DP1 초반 성적은 쉽게 바뀌지 않습니다. 그래서 처음부터 역학을 제대로 잡는 게 가장 중요합니다.

강사소개

이번 여름 특강에서는 개념, 문제 흐름, 키워드 해석, Data Booklet 활용, 그리고 실전 문제까지,

앞으로 2년을 결정할 기반을 완성합니다.

IB Physics, 이번 여름에 제대로 시작합니다.



로얄아이비 26 여름특강 [DP Y1 Physics] Syllabus

Day	In Class	Assignment	Weekly Exam
WEEK 1			
DAY 1	Topic A.1 : Kinematics A.1.1 Straight Line Motion	A.1.1 002	
DAY 2	Topic A.1 : Kinematics A.1.2 SUVAT and 2D Motion	A.1.2 002	
DAY 3	Topic A.2 : Forces and Momentum A.2.1 Newton's Laws of Motion	A.2.1 002	
DAY 4	Topic A.2 : Forces and Momentum A.2.1 Forces 1	A.2.2 002	
DAY 5	Paper 2 Practical Training		Weekly Exam 1
WEEK 2			
DAY 6	Topic A.2 : Forces and Momentum A.2.3 Forces 2	A.2.3 002	
DAY 7	Topic A.2 : Forces and Momentum A.2.4 Circular Motion	A.2.4 002	
DAY 8	Topic A.3 : Work, Energy and Power A.3.1 Work and 3 Equations	A.3.1 002	
DAY 9	Topic A.3 : Work, Energy and Power A.3.2 Conservation of Energy	A.3.2 002	
DAY 10	Topic A.3 : Work, Energy and Power A.3.3 Power and Efficiency		Weekly Exam 2
WEEK 3			
DAY 11	Topic A.2 : Forces and Momentum A.2.5 Momentum and 3 Equations	A.2.5 002	
DAY 12	Topic A.2 : Forces and Momentum A.2.6 Conservation of Momentum	A.2.6 002	
DAY 13	A.3.2 + A.2.6 Conservation Rules	Topic A Review Problem Set	
DAY 14	B.1 Thermal Energy Transfers B.1.1 Kinetic Model	B.1.1 002	
DAY 15	Weekly Exam 3 (A.2.5 & 6)		Mock Test
WEEK 4			
DAY 16	B.1 Thermal Energy Transfers B.1.2 Thermal Energy Transfers	B.1.2 002	
DAY 17	B.2 Greenhouse Effect	B.2 002	
DAY 18	B.3 Ideal Gas	B.3 002	
DAY 19	B.1-3 Paper 2 Session	Exam Prep	
DAY 20	Exam 4 (B.1,2,3)		
Note	<ul style="list-style-type: none"> Mock Test는 3주차 토요일(1차 7/4, 2차 8/1)에 진행됩니다. 		

IB Chemistry HL전용반 Y1

담당강사 **Dr. Park**

길 가던 문과생도 이과생 만드는 IB Chemistry RunningMate, Dr. Park
 (현) 로얄아이비 IB 화학/생물 대표 강사
 (전) 강남 소재 국제고등학교 교사
 학력
 KAIST 공학 박사 (Nature 저널 포함 SCI 논문 4편 게재)
 HKUST Biochemistry & Cell Biology 학사



로얄아이비 26 여름특강 [DP Y1 Chemistry HL] Syllabus

Day	In Class (매 수업 5분 복습 test로 시작)	Assignment	Weekly Exam
WEEK 1 (Atomic Structure & Periodic Trend)			
DAY 1	Theme: Atomic structure - Part 1 S1. Models of the particulate nature of matter S1.1 Introduction to the particulate nature of matter S1.2 The nuclear atom	Diagnostic exam (개강 전 제출) Atomic structure - Part 1	
DAY 2	Theme: Atomic structure - Part 2 S1. Models of the particulate nature of matter S1.3 Electron configurations	Atomic structure - Part 2	
DAY 3	Theme: Periodic trend - Part 1 S3. Classification of matter S3.1.1-3.1.2 The periodic table - Part 1	Periodic trend - Part 1	
DAY 4	Theme: Periodic trend - Part 2 S3. Classification of matter S3.1.3-3.1.6 The periodic table - Part 2	Periodic trend - Part 2	
DAY 5	Theme: Advanced topics (1)* S1. Models of the particulate nature of matter S1.2.3 [AHL] Mass spectra S1.3.6-1.3.7 [AHL] Electron configurations S3. Classification of matter S3.1.7-3.1.10 [AHL] The periodic table - Part 3	Advanced topics (1)	Weekly Exam 1 S1.1-1.3, S3.1
WEEK 2 (Moles, Ideal Gas Law & Stoichiometric calculations)			
DAY 6	Theme: Moles - Part 1 S1. Models of the particulate nature of matter S1.4.1-1.4.4 Counting particles by mass: The mole	Moles - Part 1	
DAY 7	Theme: Moles - Part 2 S1. Models of the particulate nature of matter S1.4.5-1.4.6 Counting particles by mass: The mole	Moles - Part 2	
DAY 8	Theme: Ideal gas model S1. Models of the particulate nature of matter S1.5 Ideal gases	Ideal gas model	
DAY 9	Theme: Stoichiometry - Part 1 (Basics) R2. How much, how fast and how far? R2.1 How much? The amount of chemical change	Stoichiometry - Part 1	
DAY 10	Theme: Stoichiometry - Part 2 (Advanced) R2. How much, how fast and how far? R2.1 How much? The amount of chemical change	Stoichiometry - Part 2	Weekly Exam 2 S1.4-1.5, S2.1
WEEK 3 (Chemical Bonding)			
DAY 11	Theme: Bonding - Part 1 & 2 (Ionic & Metallic bond) S2. Models of bonding and structure S2.1 The ionic model S2.3, 2.4.3 The metallic model	Bonding - Part 1 & 2	
DAY 12	Theme: Bonding - Part 3 (Covalent bond - 1) S2. Models of bonding and structure S2.2.1-2.2.3 The covalent model (Lewis structure)	Bonding - Part 3 (1)	
DAY 13	Theme: Bonding - Part 3 (Covalent bond - 2)* S2. Models of bonding and structure S2.2.4, 2.2.13 The covalent model (VSEPR)	Bonding - Part 3 (2)	
DAY 14	Theme: Bonding - Part 3 (Covalent bond - 3) S2. Models of bonding and structure S2.2.5-2.2.6 The covalent model (Bond polarity)	Bonding - Part 3 (3)	
DAY 15	Theme: Bonding [AHL] - Part 1 (Resonance & Formal charges)* S2. Models of bonding and structure S2.2.11-2.2.12, 2.2.14 The covalent model (Resonance & Formal charges)	Bonding [AHL] - Part 1	Mock Test Week 1-3 Cumulative
WEEK 4 (Practice: advanced & data-based questions)			
DAY 16	Theme: Bonding - Part 3 & 4 (Covalent bond - 4 & IMF) S2. Models of bonding and structure S2.4.1-2.4.2 Bonding continuum S2.2.7 The covalent model (Covalent network structures) S2.2.8-2.2.9 The covalent model (IMF)	Bonding - Part 3 (4) & 4	
DAY 17	Theme: Bonding [AHL] - Part 2 (Hybridization)* S2. Models of bonding and structure S2.2.15-2.2.16 The covalent model (Hybridization)	Bonding [AHL] - Part 2	
DAY 18	Theme: Experiment & Data Analysis (for Paper 1B) - Part 1 Crucible experiment, titration & chromatography	Experiment & Data Analysis - Part 1	
DAY 19	Theme: Calculation Stoichiometry, combustion analysis, ideal gas law and ionization energy	Calculation	
DAY 20	Theme: Experiment & Data Analysis (for Paper 1B) - Part 2 Crucible experiment, titration & chromatography	Experiment & Data Analysis - Part 2	Weekly Exam 3 Week 1-4 Cumulative
Note	■ Mock Test는 3주차 토요일(1차 7/4, 2차 8/1)에 진행됩니다. * HL Topic 포함		

IB Chemistry HL/SL Y1 (온라인 전용반)

담당강사 **Dr. Park**

길 가던 문과생도 이과생 만드는 IB Chemistry RunningMate, Dr. Park
 현) 로얄아이비 IB 화학/생물 대표 강사
 전) 강남 소재 국제고등학교 교사
 학력
 KAIST 공학 박사 (Nature 지메지 포함 SCI 논문 4편 게재)
 HKUST Biochemistry & Cell Biology 학사



로얄아이비 26 여름특강 [DP Y1 Chemistry HL] Syllabus

Day	In Class (매 수업 5분 복습 test로 시작)	Assignment	Weekly Exam
WEEK 1 (Atomic Structure & Periodic Trend)			
DAY 1	Theme: Atomic structure - Part 1 S1. Models of the particulate nature of matter S1.1 Introduction to the particulate nature of matter S1.2 The nuclear atom	Diagnostic exam (개강 전 제출) Atomic structure - Part 1	
DAY 2	Theme: Atomic structure - Part 2 S1. Models of the particulate nature of matter S1.3 Electron configurations	Atomic structure - Part 2	
DAY 3	Theme: Periodic trend - Part 1 S3. Classification of matter S3.1.1-3.1.2 The periodic table - Part 1	Periodic trend - Part 1	
DAY 4	Theme: Periodic trend - Part 2 S3. Classification of matter S3.1.3-3.1.6 The periodic table - Part 2	Periodic trend - Part 2	
DAY 5	Theme: Advanced topics (1) HL 전용 S1. Models of the particulate nature of matter S1.2.3 [AHL] Mass spectra S1.3.6-1.3.7 [AHL] Electron configurations S3. Classification of matter S3.1.7-3.1.10 [AHL] The periodic table - Part 3	Advanced topics (1)	Weekly Exam 1 S1.1-1.3, S3.1
WEEK 2 (Moles, Ideal Gas Law & Stoichiometric calculations)			
DAY 6	Theme: Moles - Part 1 S1. Models of the particulate nature of matter S1.4.1-1.4.4 Counting particles by mass: The mole	Moles - Part 1	
DAY 7	Theme: Moles - Part 2 S1. Models of the particulate nature of matter S1.4.5-1.4.6 Counting particles by mass: The mole	Moles - Part 2	
DAY 8	Theme: Ideal gas model S1. Models of the particulate nature of matter S1.5 Ideal gases	Ideal gas model	
DAY 9	Theme: Stoichiometry - Part 1 (Basics) R2. How much, how fast and how far? R2.1 How much? The amount of chemical change	Stoichiometry - Part 1	
DAY 10	Theme: Stoichiometry - Part 2 (Advanced) R2. How much, how fast and how far? R2.1 How much? The amount of chemical change	Stoichiometry - Part 2	Weekly Exam 2 S1.4-1.5, S2.1
WEEK 3 (Chemical Bonding)			
DAY 11	Theme: Bonding - Part 1 & 2 (Ionic & Metallic bond) S2. Models of bonding and structure S2.1 The ionic model S2.3, 2.4.3 The metallic model	Bonding - Part 1 & 2	
DAY 12	Theme: Bonding - Part 3 (Covalent bond - 1) S2. Models of bonding and structure S2.2.1-2.2.3 The covalent model (Lewis structure)	Bonding - Part 3 (1)	
DAY 13	Theme: Bonding - Part 3 (Covalent bond - 2) HL 전용 S2. Models of bonding and structure S2.2.4, 2.2.13 The covalent model (VSEPR)	Bonding - Part 3 (2)	
DAY 14	Theme: Bonding - Part 3 (Covalent bond - 3) S2. Models of bonding and structure S2.2.5-2.2.6 The covalent model (Bond polarity)	Bonding - Part 3 (3)	
DAY 15	Theme: Bonding [AHL] - Part 1 (Resonance & Formal charges) HL 전용 S2. Models of bonding and structure S2.2.11-2.2.12, 2.2.14 The covalent model (Resonance & Formal charges)	Bonding [AHL] - Part 1	Mock Test Week 1-3 Cumulative
WEEK 4 (Practice: advanced & data-based questions)			
DAY 16	Theme: Bonding - Part 3 & 4 (Covalent bond - 4 & IMF) S2. Models of bonding and structure S2.4.1-2.4.2 Bonding continuum S2.2.7 The covalent model (Covalent network structures) S2.2.8-2.2.9 The covalent model (IMF)	Bonding - Part 3 (4) & 4	
DAY 17	Theme: Bonding [AHL] - Part 2 (Hybridization) HL 전용 S2. Models of bonding and structure S2.2.15-2.2.16 The covalent model (Hybridization)	Bonding [AHL] - Part 2	
DAY 18	Theme: Experiment & Data Analysis (for Paper 1B) - Part 1 Crucible experiment, titration & chromatography	Experiment & Data Analysis - Part 1	
DAY 19	Theme: Calculation Stoichiometry, combustion analysis, ideal gas law and ionization energy	Calculation	
DAY 20	Theme: Experiment & Data Analysis (for Paper 1B) - Part 2 Crucible experiment, titration & chromatography	Experiment & Data Analysis - Part 2	Weekly Exam 3 Week 1-4 Cumulative
Note	■ Mock Test는 3주차 토요일(차 7/4, 2차 8/1)에 진행됩니다. * HL Topic 포함 ■ 해당 수업은 온라인 전용반 입니다.		

IB Chemistry SL Y1+Y2

담당강사 **Dr. Park**

길 가던 문과생도 이과생 만드는 IB Chemistry RunningMate, Dr. Park
 현) 로얄아이비 IB 화학/생물 대표 강사
 전) 강남 소재 국제고등학교 교사

강사소개

학력
 KAIST 공학 박사 (Nature 자매지 포함 SCI 논문 4편 게재)
 HKUST Biochemistry & Cell Biology 학사



로얄아이비 26 여름특강 [DP Y1+Y2 Chemistry SL] Syllabus

Day	In Class (매 수업 5분 복습 test로 시작)	Assignment	Weekly Exam
WEEK 1 (Atomic Structure & Periodic Trend)			
DAY 1	Theme: Atomic structure - Part 1 S1. Models of the particulate nature of matter S1.1 Introduction to the particulate nature of matter S1.2 The nuclear atom	Diagnostic exam (개강 전 제출) Atomic structure - Part 1	
DAY 2	Theme: Atomic structure - Part 2 S1. Models of the particulate nature of matter S1.3 Electron configurations	Atomic structure - Part 2	
DAY 3	Theme: Periodic trend - Part 1 S3. Classification of matter S3.1.1-3.1.2 The periodic table - Part 1	Periodic trend - Part 1	
DAY 4	Theme: Periodic trend - Part 2 (1) S3. Classification of matter S3.1.3-3.1.6 The periodic table - Part 2	Periodic trend - Part 2 (1)	
DAY 5	Theme: Periodic trend - Part 2 (2) S3. Classification of matter S3.1.3-3.1.6 The periodic table - Part 2	Periodic trend - Part 2 (2)	Weekly Exam 1 S1.1-1.3, S3.1
WEEK 2 (Moles, Ideal Gas Law & Stoichiometric calculations)			
DAY 6	Theme: Moles - Part 1 S1. Models of the particulate nature of matter S1.4.1-1.4.4 Counting particles by mass: The mole	Moles - Part 1	
DAY 7	Theme: Moles - Part 2 S1. Models of the particulate nature of matter S1.4.5-1.4.6 Counting particles by mass: The mole	Moles - Part 2	
DAY 8	Theme: Ideal gas model S1. Models of the particulate nature of matter S1.5 Ideal gases	Ideal gas model	
DAY 9	Theme: Stoichiometry - Part 1 (Basics) R2. How much, how fast and how far? R2.1 How much? The amount of chemical change	Stoichiometry - Part 1	
DAY 10	Theme: Stoichiometry - Part 2 (Advanced) R2. How much, how fast and how far? R2.1 How much? The amount of chemical change	Stoichiometry - Part 2	Weekly Exam 2 S1.4-1.5, S2.1
WEEK 3 (Chemical Bonding)			
DAY 11	Theme: Bonding - Part 1 & 2 (Ionic & Metallic bond) S2. Models of bonding and structure S2.1 The ionic model S2.3, 2.4.3 The metallic model	Bonding - Part 1 & 2	
DAY 12	Theme: Bonding - Part 3 (Covalent bond - 1) S2. Models of bonding and structure S2.2.1-2.2.3 The covalent model (Lewis structure)	Bonding - Part 3 (1)	
DAY 13	Theme: Bonding - Part 3 (Covalent bond - 2) S2. Models of bonding and structure S2.2.4, 2.2.13 The covalent model (VSEPR)	Bonding - Part 3 (2)	
DAY 14	Theme: Bonding - Part 3 (Covalent bond - 3) S2. Models of bonding and structure S2.2.5-2.2.6 The covalent model (Bond polarity)	Bonding - Part 3 (3)	
DAY 15	Theme: Bonding - Part 3 & 4 (Covalent bond - 4 & IMF) S2. Models of bonding and structure S2.4.1-2.4.2 Bonding continuum S2.2.7 The covalent model (Covalent network structures) S2.2.8-2.2.9 The covalent model (IMF)	Bonding - Part 3 (4) & 4	Mock Test Week 1-3 Cumulative
WEEK 4 (Practice: advanced & data-based questions)			
DAY 16	Theme: All about bondings	All about bondings	
DAY 17	Theme: Calculation - Part 1 Stoichiometry	Calculation - Part 1	
DAY 18	Theme: Experiment & Data Analysis (for Paper 1B) - Part 1 Crucible experiment & Titration	Experiment & Data Analysis - Part 1	
DAY 19	Theme: Calculation - Part 2 Combustion analysis & Ideal gas law	Calculation - Part 2	
DAY 20	Theme: Experiment & Data Analysis (for Paper 1B) - Part 2 Standard solution preparation & Chromatography	Experiment & Data Analysis - Part 2	Weekly Exam 3 Week 1-4 Cumulative
Note	■ Mock Test는 3주차 토요일(1차 7/4, 2차 8/1)에 진행됩니다.		

IB BIO HL Y1

담당강사 **Danny**

강사소개
 업계 최고 수준의 자료와
 어려운 개념도 단번에 이해되게 만드는 탁월한 설명력,
 그리고 지루할 틈 없이 몰입하게 만드는 생생한 예시와 스토리텔링으로
 재미와 학습효과, 두 마리 토끼를 모두 잡는
 IB Biology 교육의 정점, 임예준입니다.



로얄아이비 26 여름특강 [DP Y1 HL] Syllabus

Day	In Class	Assignment	Weekly Exam
WEEK 1			
DAY 1	A1.1 Water	A1.1_Paper 1A	
DAY 2	B1.1 Carbohydrates and Lipids_part 1	B1.1_Paper 1A	
DAY 3	B1.1 Carbohydrates and Lipids_part 2	B1.1_Paper 2A	
DAY 4	A1.2 Nucleic acids_part 1	A1.2_Paper 1A	
DAY 5	A1.2 Nucleic acids_part 2	A1.2_Paper 1A	Weekly Exam 1 A1.1, A1.2, B1.1
WEEK 2			
DAY 6	B1.2 Proteins_part 1	B1.2_Paper 1A	
DAY 7	B1.2 Proteins_part 2	B1.2_Paper 2A	
DAY 8	A2.2 Cell Structure_part 1	A2.2_Paper 1A	
DAY 9	A2.2 Cell Structure_part 2	A2.2_Paper 2A	
DAY 10	B2.2 Organelles and compartmentalization	B2.2_Paper 1A + 2A	Weekly Exam 2 B1.2, A2.2, B2.2
WEEK 3			
DAY 11	B2.1 Membranes and membrane transport_part 1	B2.1_Paper 1A	
DAY 12	B2.1 Membranes and membrane transport_part 2	B2.1_Paper 2A	
DAY 13	A2.1 Origin of Cells [HL]	A2.1_Paper 1A + 2A	
DAY 14	C1.1 Enzymes and Metabolism_part 1	C1.1_Paper 1A	
DAY 15	C1.1 Enzymes and Metabolism_part 2	C1.1_Paper 2A	Mock Test
WEEK 4			
DAY 16	C1.2 Cellular respiration_part 1	C1.2_Paper 1A	
DAY 17	C1.2 Cellular respiration_part 2	C1.2_Paper 2A	
DAY 18	C1.3 Photosynthesis_part 1	C1.3_Paper 1A	
DAY 19	C1.3 Photosynthesis_part 2	Weekly Exam 3	
DAY 20	FINAL REVIEW	NO HW	
Note	■ Mock Test는 3주차 토요일(1차 7/4, 2차 8/1)에 진행됩니다.		

IB BIO SL Y1

담당강사 **Danny**

강사소개
 업계 최고 수준의 자료와
 어려운 개념도 단번에 이해되게 만드는 탁월한 설명력,
 그리고 지루할 틈 없이 몰입하게 만드는 생생한 예시와 스토리텔링으로
 재미와 학습효과, 두 마리 토끼를 모두 잡는
 IB Biology 교육의 정점, 임예준입니다.



로얄아이비 26 여름특강 [DP Y1 SL] Syllabus

Day	In Class	Assignment	Weekly Exam
WEEK 1			
DAY 1	A1.1 Water	A1.1_Paper 1A	
DAY 2	B1.1 Carbohydrates and Lipids_part 1	B1.1_Paper 1A	
DAY 3	B1.1 Carbohydrates and Lipids_part 2	B1.1_Paper 2A	
DAY 4	A1.2 Nucleic acids_part 1	A1.2_Paper 1A	
DAY 5	A1.2 Nucleic acids_part 2	A1.2_Paper 1A	Weekly Exam 1 A1.1, A1.2, B1.1
WEEK 2			
DAY 6	B1.2 Proteins	B1.2_Paper 1A	
DAY 7	A2.2 Cell Structure_part 1	A2.2_Paper 1A	
DAY 8	A2.2 Cell Structure_part 2	A2.2_Paper 2A	
DAY 9	B2.2 Organelles and compartmentalization	B2.2_Paper 1A + 2A	
DAY 10	B2.1 Membranes and membrane transport_part 1	B2.1_Paper 1A	Weekly Exam 2 B1.2, A2.2, B2.2
WEEK 3			
DAY 11	B2.1 Membranes and membrane transport_part 2	B2.1_Paper 2A	
DAY 12	D2.3 Water potential	D2.3_Paper 1A + 2A	
DAY 13	C1.1 Enzymes and Metabolism_part 1	C1.1_Paper 1A	
DAY 14	C1.1 Enzymes and Metabolism_part 2	C1.1_Paper 2A	
DAY 15	C1.2 Cellular respiration	C1.2_Paper 1A + 2A	Mock Test
WEEK 4			
DAY 16	C1.3 Photosynthesis	C1.3_Paper 1A + 2A	
DAY 17	D1.1 DNA replication	D1.1_Paper 1A + 2A	
DAY 18	D1.2 Protein synthesis_part 1	D1.2_Paper 1A	
DAY 19	D1.2 Protein synthesis_part 2	Weekly Exam 3	
DAY 20	FINAL REVIEW	NO HW	
Note	■ Mock Test는 3주차 토요일(1차 7/4, 2차 8/1)에 진행됩니다.		

IB ESS H+S Y1

담당강사 Jennifer

Tried, Tested & Proven: 제니퍼 과학

"여차피 해야 하는 공부라면 최선을 다하라"는 말, 교과서적인 조언처럼 들릴 수 있습니다. 하지만 20년간 수많은 제자를 고득점으로 이끌며 분명해진 것은, '제대로 된 방법'이 전제되지 않은 최선은 늘 한계가 명확하다는 사실이었습니다.

강사소개

단순히 지식을 전달하는 강사는 많지만, 학생의 취약점을 단번에 파악하고 논리적 사고의 틀을 바꿔줄 수 있는 강사는 흔치 않습니다. 현장에서 축적한 경험과 긴 시간 쌓아온 노하우를 결합해, 막대한 노력을 '확실한 성과'로 바꾸는 전략을 가르칩니다.

시험의 핵심을 꿰뚫는 안목과 학생의 성장을 이끄는 정교한 로드맵은 Jennifer만의 독보적인 자산입니다. 관록의 데이터로 증명된 압도적인 강의력을 이번 방학, 직접 경험해 보시기 바랍니다.



로얄아이비 26 여름특강 [DP Y1 ESS] Syllabus

Day	In Class	Assignment	Weekly Exam
WEEK 1			
DAY 1	1.1 Perspectives I	1.1-I	
DAY 2	1.1 Perspectives II	1.1-II	
DAY 3	1.2 Systems Response Architect Lab: Command Term & Structure Foundation	1.2	
DAY 4	1.3 Sustainability	1.3	
DAY 5	Week 1 Test: In-Class 2.1 Individuals, Populations, Communities and Ecosystems I	N/A	Unit 1
WEEK 2			
DAY 6	Week 1 Test Review 2.1 Individuals, Populations, Communities and Ecosystems II	2.1	
DAY 7	2.2 Energy and Biomass in Ecosystems	2.2	
DAY 8	Scientific Fluency Check I 2.3 Biogeochemical Cycles Response Architect Lab: Quantitative Data & Trends	2.3	
DAY 9	2.4 Biomes	2.4-I	
DAY 10	Week 2 Test: In-Class Case Study Analysis	N/A	Unit 2.1-2.4
WEEK 3			
DAY 11	Week 2 Test Review 2.4 Climate 2.5 Zonation	2.4-II	
DAY 12	2.5 Succession 2.6 Ecology Lab and Fieldwork	2.5	
DAY 13	Scientific Fluency Check II Response Architect Lab: 4-mark & 7-mark Questions	R-I	
DAY 14	Week 3 Test: In-Class Unit 1- 2 Review	R-II	Unit 2
DAY 15	Week 3 Test Review MOCK Exam Prep	N/A	MOCK Exam
WEEK 4			
DAY 16	MOCK Exam Review 3.1 Biodiversity & Speciation	3.1	
DAY 17	3.2 Human impact on Biodiversity	3.2	
DAY 18	Scientific Fluency Check III 3.3 Conservation & Regeneration	3.3	
DAY 19	Case Study Analysis	R-III	
DAY 20	Response Architect Lab: 9-Mark Questions	N/A	
Note	■ Mock Test는 3주차 토요일(1차 7/4, 2차 8/1)에 진행됩니다.		