

2026 블룸스버리 여름특강 커리큘럼

CLASS Info

강의대상		강의정보		강사
IBDP 2		AA HL 월-금(4주) 17:30-19:00(90분)		
김정환 대표원장님				
학력				
학사	University College London (UCL/영국) BSc. Mathematics			
담당과목	IB Mathematics AP Calculus AB/BC MYP Mathematics IGCSE Mathematics			

CLASS Curriculum

강의회차	강의내용
Lesson 1	Topic 11. Maclaurin Series 11.1 Introduction to Power series 11.2 Binomial Theorem revisited 11.3 Maclaurin Series
Lesson 2	Topic 12. Differential Equation 12.1 Variable Seperable 12.2 Homogeneous Functions
Lesson 3	12.3 The integrating factor 12.4 Euler's method 12.5 Differential equation in real life applications
Lesson 4	Calculus 전제 Extended response question style 연습
Lesson 5	Calculus 전제 Extended response question style 연습
Lesson 6	Topic 13. Vectors 13.1 Vector basics 13.2 Vector operations 13.3 Vector scalar product
Lesson 7	13.4 Vector cross product 13.5 Straight lines in 3D space
Lesson 8	13.6 Planes in 3D space
Lesson 9	13.7 System of linear equations (계산기 활용법 포함)
Lesson 10	Vectors 유형별 문제연습 및 extended response style question 연습
Lesson 11	Vectors 유형별 문제연습 및 extended response style question 연습
Lesson 12	Topic 14. Complex numbers 14.1 Introduction to the imaginary number 14.2 Complex number operation 14.3 Geometrical analysis of the complex number 14.4 Complex roots in the real and complex plane
Lesson 13	14.5 Demoivre's Theorem 14.6 n-th roots
Lesson 14	Complex numbers 유형별 문제 연습 및 extended response style question 연습
Lesson 15	Complex numbers 유형별 문제 연습 및 extended response style question 연습
Lesson 16	Topic 15. Statistics and Probabiity 15.1 Sampling 15.2 Statistical diagrams 15.3 Mean, mode and median 15.4 Correlation and regression
Lesson 17	15.4 Correlation and regression 15.5 Probability techniques 15.6 Discrete random variables 15.7 Continous random variables
Lesson 18	15.7 Continous random variables 15.8 Normal distribution
Lesson 19	15.8 Normal Distribution
Lesson 20	Statistics and probability 유형별 문제연습 및 extended response style question 연습

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강의대상	강의정보	강사
DP2	DP2 AA HL 월-금(4주 2차) 17:00-18:30(90분)	
김수민 선생님		
학력		
학사	Imperial College London(영국) BSc.Mathematics	
박사	University College London(UCL/영국) MSc. Computational Finance	
담당과목		
IB, IGCSE Mathematics STEP, MAT 시험대비		

CLASS Curriculum

강의회차	강의내용
Lesson 1	Topic 11. Maclaurin Series: Series, Convergence, Composite
Lesson 2	Topic 11. Maclaurin Series: Addition, Subtraction, Calculus, Multiplication, Division
Lesson 3	Topic 12. Differential Equation: Variable Separable, Homogeneous Functions
Lesson 4	Topic 12. Differential Equation: Integrating Factor, Euler's Method
Lesson 5	Topic 12. Differential Equation: Real Life Application
Lesson 6	Topic 13. Vectors: Basics, Operations, Scalar Product
Lesson 7	Topic 13. Vectors: Cross Product, Geometry
Lesson 8	Topic 13. Vectors: Straight lines, Planes in 3D
Lesson 9	Topic 13. Vectors: Intersections, Angles
Lesson 10	Topic 13. Vectors: System of Linear Equations
Lesson 11	Vectors 유형별 문제연습 및 심화 문제 풀이
Lesson 12	Topic 14. Complex Numbers: Introduction, Complex Number Operation, Geometrical Analysis
Lesson 13	Topic 14. Complex Numbers: De Moivre's Theorem, Roots of Complex Numbers
Lesson 14	Complex Number 유형별 문제연습 및 심화 문제 풀이
Lesson 15	Topic 15. Statistics & Probability: Sampling, Statistical Diagrams
Lesson 16	Topic 15. Statistics & Probability: Central Tendency, Correlation, Regression (using GDC)
Lesson 17	Topic 15. Statistics & Probability: Probability Techniques, Discrete Random Variables
Lesson 18	Topic 15. Statistics & Probability: Continuous Random Variables
Lesson 19	Topic 15. Statistics & Probability: Normal Distribution
Lesson 20	Statistics & Probability 유형별 문제연습 및 심화 문제 풀이

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CLASS Info

강의대상	강의정보	강사
IB DP2	AA SL 월수금(8주) 11:00-13:00(120분)	
김동오 선생님		
학력	학사 서강대학교 수학과	
담당과목	IB Mathematics AA HL/ AI HL/ AA SL/ AA SL AP pre-cal / AB / BC IGCSE Addmaths/ International Maths AMC 10 및 경시대회 prep	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Topic 3. Trigonometry: sine rule & cosine rule, area of triangle
Lesson 2	Trigonometry: Application of Trigonometry
Lesson 3	Radian measure, unit circle definitions
Lesson 4	Trigonometric identities
Lesson 5	Trigonometric functions & equations
Lesson 6	Topic Review
Lesson 7	Topic 4. Statistics & Probability: Concepts of Data, Central Tendency
Lesson 8	Linear correlation of Bivariate Data, Regression Line of x on y
Lesson 9	Probability Concepts, Venn diagrams, Conditional Probability
Lesson 10	Discrete Random Variables
Lesson 11	Binomial Distribution
Lesson 12	Normal Distribution
Lesson 13	Standardization of normal Variables
Lesson 14	Topic Review
Lesson 15	Topic 5: Calculus: Limits
Lesson 16	Rate of change, definition of differentiation
Lesson 17	Differentiation rules: chain rule, product & quotient rules
Lesson 18	Tangent & Normals
Lesson 19	Second Derivative, Local maxima & minima
Lesson 20	Kinematics
Lesson 21	Antidifferentiation
Lesson 22	indefinite integrals
Lesson 23	Area under curve & definite integrals
Lesson 24	Topic Review

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CLASS Info

강의대상	강의정보	강사
IB DP2	AI HL 월-금(4주) 17:30-19:00(90분)	
김동오 선생님		
학력	학사 서강대학교 수학과	
담당과목	IB Mathematics AA HL/ AI HL/ AA SL/ AA SL AP pre-cal / AB / BC IGCSE Addmaths/ International Maths AMC 10 및 경시대회 prep	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Discrete random variables, Expectation, Variance & Standard deviation, Properties of $aX+b$
Lesson 2	Binomial Distribution
Lesson 3	Poisson distribution, Unit Review
Lesson 4	Normal Distribution
Lesson 5	Normal Distribution & Confidence intervals
Lesson 6	Hypothesis Testing Z test
Lesson 7	Hypothesis Tests for population
Lesson 8	kai square hypothesis test
Lesson 9	Probability Review
Lesson 10	Operation of Vectors
Lesson 11	Vector Applications
Lesson 12	Vector Review
Lesson 13	Complex numbers, Complex plane
Lesson 14	Polar form & Exponential Form
Lesson 15	Complex numbers Review
Lesson 16	Operation of Matrices
Lesson 17	Inverse of a matrix & Matrix review
Lesson 18	Eigenvalues & Eigenvectors
Lesson 19	Affine Transformations
Lesson 20	Unit Review

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CLASS Info

강의대상	강의정보	강사
IBDP2	DP2 Bio HL 월-금(4주) 21:00-21:30(90분)	
정지원 부원장님		
학력	고등 뉴질랜드 Kristin School - IB 수석 졸업 NZ IB Top Scholar Award 수여	
학사	University of Cambridge, Clare College (영국) BSc. Natural Sciences (Biology, Chemistry)	
담당과목	Biology / Chemistry : IB, IGCSE	

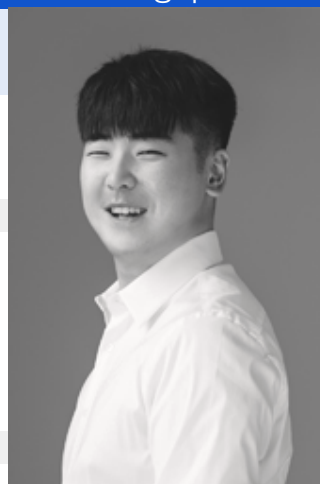
CLASS Curriculum

강의회차	강의내용
Lesson 1	Lesson 1 B2.3 Cell specialization
Lesson 2	Lesson 2 D1.3 Mutation and gene editing
Lesson 3	Lesson 3 D2.3 Water potential
Lesson 4	Lesson 4 A3.1 Diversity of organisms
Lesson 5	Lesson 5 A3.2 Classification and cladistics [HL]
Lesson 6	Lesson 6 A4.1 Evolution and speciation
Lesson 7	Lesson 7 A4.2 Conservation of biodiversity
Lesson 8	Lesson 8 B3.1 Gas exchange
Lesson 9	Lesson 9 B3.2 Transport
Lesson 10	Lesson 10 B3.3 Muscle and motility [HL]
Lesson 11	Lesson 11 C3.1 Integration of body systems
Lesson 12	Lesson 12 C3.2 Defense against disease
Lesson 13	Lesson 13 D3.1 Reproduction
Lesson 14	Lesson 14 D3.2 Inheritance
Lesson 15	Lesson 15 D3.2 Inheritance
Lesson 16	Lesson 16 D3.3 Homeostasis
Lesson 17	Lesson 17 D4.1 Natural selection
Lesson 18	Lesson 18 D4.2 Stability and change
Lesson 19	Lesson 19 D4.3 Climate change
Lesson 20	Lesson 20 C3.2 Defense against disease / D3.2 Inheritance – extended HL applications

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CLASS Info

강의대상	강의정보	강사
IBDP2	DP2 Chem HL 월-금(4주) 14:30-16:00(90분)	
정지원 부원장님		
학력	고등 뉴질랜드 Kristin School - IB 수석 졸업 NZ IB Top Scholar Award 수여	
학사	University of Cambridge, Clare College (영국) BSc. Natural Sciences (Biology, Chemistry)	
담당과목	Biology / Chemistry : IB, IGCSE	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Reactivity 2.2—How fast? The rate of chemical change Reactivity 2.2.1–2.2.4 Rate of reaction, collision theory, factors affecting rate, activation energy
Lesson 2	Reactivity 2.2—How fast? The rate of chemical change Reactivity 2.2.5–2.2.8 Catalysts, reaction mechanisms, energy profiles, molecularity
Lesson 3	Reactivity 2.2—How fast? The rate of chemical change Reactivity 2.2.9–2.2.12 Rate equations, order of reaction, determining order and rate constant, units of k
Lesson 4	Reactivity 2.2—How fast? The rate of chemical change Reactivity 2.2.13–2.2.15 Integrated rate expressions, half-life, Arrhenius equation and activation energy from data
Lesson 5	Reactivity 2.3—How far? The extent of chemical change Reactivity 2.3.1–2.3.4 Dynamic equilibrium, equilibrium law, meaning of K, Le Châtelier's principle
Lesson 6	Reactivity 2.3—How far? The extent of chemical change Reactivity 2.3.5–2.3.7 Reaction quotient Q, equilibrium calculations, relationship between K and ΔG°
Lesson 7	Reactivity 3.1—Proton transfer reactions Reactivity 3.1.1–3.1.5 Brønsted–Lowry theory, conjugate acid–base pairs, amphoteric species, pH, Kw
Lesson 8	Reactivity 3.1—Proton transfer reactions Reactivity 3.1.6–3.1.8 Strong and weak acids and bases, neutralization, strong acid–strong base pH curves
Lesson 9	Reactivity 3.1—Proton transfer reactions Reactivity 3.1.9–3.1.12 pOH, Ka and Kb, weak acid and weak base calculations, hydrolysis of salts
Lesson 10	Reactivity 3.1—Proton transfer reactions Reactivity 3.1.13–3.1.17 Full range of pH curves, indicators, choosing indicators, buffers, buffer calculations
Lesson 11	Reactivity 3.2—Electron transfer reactions Reactivity 3.2.1–3.2.4 Oxidation and reduction, oxidation states, half-equations, reactivity trends, acids with metals
Lesson 12	Reactivity 3.2—Electron transfer reactions Reactivity 3.2.5–3.2.8 Anode/cathode, voltaic cells, standard hydrogen electrode, standard electrode potentials
Lesson 13	Reactivity 3.2—Electron transfer reactions Reactivity 3.2.9–3.2.16 spontaneous cell predictions, E°_{cell} , $\Delta G^\circ = -nFE^\circ$, electrolysis, electroplating
Lesson 14	Reactivity 3.3—Electron sharing reactions Reactivity 3.3.1–3.3.3 Radicals, homolytic fission, free-radical substitution of alkanes
Lesson 15	Reactivity 3.4—Electron-pair sharing reactions Reactivity 3.4.1–3.4.5 Nucleophiles, nucleophilic substitution, heterolytic fission, electrophiles, electrophilic addition overview
Lesson 16	Reactivity 3.4—Electron-pair sharing reactions Reactivity 3.4.6–3.4.8 Lewis acids and bases, coordination bond formation, complex ions
Lesson 17	Reactivity 3.4—Electron-pair sharing reactions Reactivity 3.4.9–3.4.10 SN1 and SN2 mechanisms of halogenoalkanes, leaving-group effects
Lesson 18	Reactivity 3.4—Electron-pair sharing reactions Reactivity 3.4.11–3.4.12 Electrophilic addition to symmetrical and unsymmetrical alkenes, carbocation stability, major product prediction
Lesson 19	Reactivity 3.4—Electron-pair sharing reactions Reactivity 3.4.13 Electrophilic substitution in benzene
Lesson 20	Mixed DP2 HL application Kinetics, equilibrium, acids and bases, redox, and organic mechanisms integrated exam-style application using the same syllabus blocks above. This last lesson is not a separate official topic; it is a compressed capstone because 30 total hours is less than the guide's combined teaching allocation for these units.

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CLASS Info

강의대상	강의정보		강사
IBDP2	DP2 Bio SL 월수금(4주) 19:00-20:30(90분)		
	손동민 선생님		
	학력	학사 서울대학교 생명과학 전공 화학 복수전공	
	담당과목	IB, AP : Bio, Chemistry IGCSE, MYP : Bio, Chemistry A-Level : Bio, Chemistry	

CLASS Curriculum

강의회차	강의내용
Lesson 1	D1.1 - D1.3 DNA Processes: Replication, Transcription, and Translation (The Central Dogma).
Lesson 2	B2.1 & D2.3 Membranes & Osmosis: Fluid mosaic model, transport mechanisms, and water potential.
Lesson 3	C1.2 & C1.3 Bioenergetics: Cell Respiration vs. Photosynthesis.
Lesson 4	B1.1 Carbohydrates & Lipids Condensation/hydrolysis, polysaccharides, and fatty acid types.
Lesson 5	D2.1 Cell Division: Mitosis and the regulation of the Cell Cycle.
Lesson 6	D2.2 Meiosis: Gamete genesis and genetic variation.
Lesson 7	D3.1 & D3.2 Inheritance: Monohybrid crosses, co-dominance, and sex-linkage.
Lesson 8	A4.1 & D4.1 Evolution: Natural selection, antibiotic resistance, and cladistics.
Lesson 9	B3.2 Transport: The Cardiac Cycle, heart structure, and pressure changes in vessels.
Lesson 10	C2.2 Neural Signaling: Action potentials, resting potentials, and synaptic transmission.
Lesson 11	C3.2 Defense against Disease: Primary/Secondary response, vaccines, and blood clotting.
Lesson 12	D3.3 Homeostasis: Negative feedback loops via Blood Glucose and Thermoregulation.

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CLASS Info

강의대상	강의정보	강사
IBDP 2	Econ HL 월-금(4주) 12:30-14:00(90분)	
김우현 원장님		
학력	학사 King's College London (영국) B.A. Business Management	
담당과목	Economics, Business & Management	

CLASS Curriculum

강의회차	강의내용
Lesson 1	3.1 Measuring economic activity and illustrating its variations 복습
Lesson 2	3.2 Variations in economic activity—aggregate demand and aggregate supply 복습
Lesson 3	3.3 Macroeconomic objectives
Lesson 4	3.3 Macroeconomic objectives
Lesson 5	3.3 Macroeconomic objectives
Lesson 6	3.4 Economics of inequality and poverty
Lesson 7	3.6 Demand management—fiscal policy
Lesson 8	3.5 Demand management (demand-side policies)— monetary policy
Lesson 9	3.5 & 3.6 Revision 3.7 Supply-side policies
Lesson 10	3.7 Supply-side policies
Lesson 11	4.1 Benefits of international trade
Lesson 12	4.2 Types of trade protection
Lesson 13	4.2 Types of trade protection
Lesson 14	4.2 Types of trade protection
Lesson 15	4.3 Arguments for and against trade control/protection
Lesson 16	4.4 Economic integration
Lesson 17	4.5 Exchange rates
Lesson 18	4.5 Exchange rates
Lesson 19	4.6 Balance of payments
Lesson 20	4.6 Balance of payments

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2026 블룸스버리 여름특강 커리큘럼

CLASS Info

강의대상	강의정보	강사
IBDP2	Econ SL 화목토(4주) 10:30-12:00(90분)	
김우현 원장님		
학력	학사 King's College London (영국) B.A. Business Managemnet	
담당과목	Economics, Business & Management	

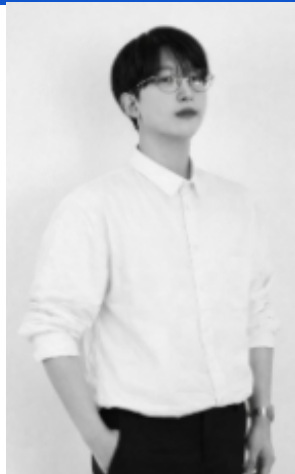
CLASS Curriculum

강의회차	강의내용
Lesson 1	3.3 Macroeconomic objectives
Lesson 2	3.3 Macroeconomic objectives
Lesson 3	3.3 Macroeconomic objectives
Lesson 4	3.4 Economics of inequality and poverty
Lesson 5	3.6 Demand management—fiscal policy
Lesson 6	3.5 Demand management (demand-side policies)— monetary policy
Lesson 7	3.7 Supply-side policies
Lesson 8	4.1 Benefits of international trade
Lesson 9	4.2 Types of trade protection
Lesson 10	4.2 Types of trade protection
Lesson 11	4.5 Exchange rates
Lesson 12	4.5 Exchange rates

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CLASS Info

강의대상	강의정보		강사
IBDP2	DP2 BM HL 월-금(4주)		
	14:00-15:30(90분)		
	김민수 선생님		
	학력		
	고등	NIS(IB DP) 졸업	
학사	고려대 경영학과		
담당과목	IB&IGCSE Business SAT		

CLASS Curriculum

강의회차	강의내용
Lesson 1	HL 개념 점검 + 심화 개념 학습: Business organization and environment
Lesson 2	HL 개념 점검 + 심화 개념 학습: Human resource management
Lesson 3	HL 개념 점검 + 심화 개념 학습: Finance and accounts - Part 1
Lesson 4	HL 개념 점검 + 심화 개념 학습: Finance and accounts - Part 2
Lesson 5	HL 개념 점검 + 심화 개념 학습: Marketing
Lesson 6	HL 개념 점검 + 심화 개념 학습: Operations management
Lesson 7	HL 개념 점검 + 심화 개념 학습: Business toolkit (qualitative tools)
Lesson 8	HL 개념 점검 + 심화 개념 학습: Business toolkit (quantitative tools)
Lesson 9	Command Terms 및 모범 답안 비교 해설
Lesson 10	시험 대비: Paper 1 (Section A)
Lesson 11	시험 대비: Paper 1 (Section B)
Lesson 12	시험 대비: Paper 2 (Data Response) - Finance/Operations
Lesson 13	시험 대비: Paper 2 (Data Response) - HR/Marketing
Lesson 14	시험 대비: Extended Response (10-mark essays)
Lesson 15	시험 대비: Paper 3 (Social Enterprise)
Lesson 16	시험 대비: 단원 융합형 문항 집중 해설
Lesson 17	Paper 1 실전 모의고사 해설
Lesson 18	Paper 2 실전 모의고사 해설
Lesson 19	Paper 3 실전 모의고사 해설
Lesson 20	총정리

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CLASS Info

강의대상	강의정보	강사
IBDP2	DP2 Eng Lang & Lit SL 화목토(4주) 9:00-10:30(90분)	
박은영 선생님		
학력	학사 University of Cambridge HSPS (human, social, and political sciences)	
	석사 University of Cambridge HSPS (human, social, and political sciences)	
담당과목	IB: English Lang Lit, Eng B, Global Politics, Psychology TOK, EE	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Analyzing Poetry_1
Lesson 2	Analyzing Poetry_2
Lesson 3	Analyzing Poetry_3
Lesson 4	Analyzing prose fiction_1
Lesson 5	Analyzing prose fiction_2
Lesson 6	Analyzing prose fiction_3
Lesson 7	Analyzing drama_1
Lesson 8	Analyzing drama_2
Lesson 9	Analyzing drama_3
Lesson 10	Introduction to Paper 2 and marking scheme
Lesson 11	Practicing C&C questions in Paper 2
Lesson 12	Practicing C&C questions in Paper 2

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강의대상		강의정보		강사
IBDP2		DP2 Eng Lang & Lit SL 화목토(4주) 16:30-18:00(90분)		
박은영 선생님				
학력		학사	University of Cambridge HSPS (human, social, and political sciences)	
		석사	University of Cambridge HSPS (human, social, and political sciences)	
담당과목		IB: English Lang Lit, Eng B, Global Politics, Psychology TOK, EE		

CLASS Curriculum

강의회차	강의내용
Lesson 1	Analyzing Poetry_1
Lesson 2	Analyzing Poetry_2
Lesson 3	Analyzing Poetry_3
Lesson 4	Analyzing prose fiction_1
Lesson 5	Analyzing prose fiction_2
Lesson 6	Analyzing prose fiction_3
Lesson 7	Analyzing drama_1
Lesson 8	Analyzing drama_2
Lesson 9	Analyzing drama_3
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Lesson 12	Practicing C&C questions in Paper 2

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CLASS Info

강의대상	강의정보	강사
IBDP2	DP2 ESAT 월수금(8주) 9:00-11:00(120분)	
서승오 선생님		
학력		
학사	University of Cambridge Natural Sciences Tripos-Physics (Physics, Biochemistry and molecular biology, chemistry)	
석사	University of Cambridge Natural Sciences Tripos-Physics	
담당과목	IB: Physics, Maths IGCSE, MYP :Physics, Maths Physics Olympiad	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Practise with NSAA Past Paper
Lesson 2	Practise with NSAA Past Paper
Lesson 3	Practise with NSAA Past Paper
Lesson 4	Practise with NSAA Past Paper
Lesson 5	Practise with NSAA Past Paper
Lesson 6	Practise with NSAA Past Paper
Lesson 7	Practise with NSAA Past Paper
Lesson 8	Practise with ENGAA Past Paper
Lesson 9	Practise with ENGAA Past Paper
Lesson 10	Practise with ENGAA Past Paper
Lesson 11	Practise with ENGAA Past Paper
Lesson 12	Practise with ENGAA Past Paper
Lesson 13	Practise with ENGAA Past Paper
Lesson 14	Practise with ENGAA Past Paper
Lesson 15	Topical Problem Review from Previous NSAA/ENGAA Papers
Lesson 16	Topical Problem Review from Previous NSAA/ENGAA Papers
Lesson 17	Topical Problem Review from Previous NSAA/ENGAA Papers
Lesson 18	Topical Problem Review from Previous NSAA/ENGAA Papers
Lesson 19	Topical Problem Review from Previous NSAA/ENGAA Papers
Lesson 20	ESAT Past Problem Review
Lesson 21	ESAT Past Problem Review
Lesson 22	ESAT Past Problem Review
Lesson 23	ESAT Past Problem Review
Lesson 24	Problem Solving Techniques

* 강의진도는 학생들의 수업 이해도에 따라 달라질 수 있습니다.

2026 블룸스버리 여름특강 커리큘럼

CLASS Info

강의대상	강의정보	강사
IBDP2	Phy HL 월-금(4주) 19:00-20:30(90분)	
서승오 선생님		
학력		
학사	University of Cambridge Natural Sciences Tripos-Physics (Physics, Biochemistry and molecular biology, chemistry)	
석사	University of Cambridge Natural Sciences Tripos-Physics	
담당과목	IB: Physics, Maths IGCSE, MYP :Physics, Maths Physics Olympiad	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Theme C.1 - Simple Harmonic Motion
Lesson 2	Theme C.1 - Simple Harmonic Motion
Lesson 3	Theme C.2 - Wave Model
Lesson 4	Theme C.3 - Wave Phenomena
Lesson 5	Theme C.3 - Wave Phenomena
Lesson 6	Theme C.4 - Standing Waves and Resonance
Lesson 7	Theme C.5 - Doppler Effect
Lesson 8	Theme D.1 - Gravitational Fields
Lesson 9	Theme D.2 - Electric and Magnetic Fields
Lesson 10	Theme D.3 - Motion in EM fields
Lesson 11	Theme D.3 - Motion in EM fields
Lesson 12	Theme D.4 - Induction
Lesson 13	Theme D.4 - Induction
Lesson 14	Theme E.1 - Structure of the atom
Lesson 15	Theme E.2 - Quantum Physics
Lesson 16	Theme E.3 - Radioactive Decay
Lesson 17	Theme E.3 - Radioactive Decay
Lesson 18	Theme E.4 - Fission
Lesson 19	Theme E.5 - Fusion and Stars
Lesson 20	Recap and Revise, Problem Solving

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2026 블룸스버리 여름특강 커리큘럼

CLASS Info

강의대상	강의정보	강사
IBDP2	Phy SL 월수금(4주) 11:00-12:30(90분)	
서승오 선생님		
학력	학사 University of Cambridge Natural Sciences Tripos-Physics (Physics, Biochemistry and molecular biology, chemistry)	
석사	University of Cambridge Natural Sciences Tripos-Physics	
담당과목	IB: Physics, Maths IGCSE, MYP :Physics, Maths Physics Olympiad	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Theme C.1 - Simple Harmonic Motion
Lesson 2	Theme C.2 - Wave Model
Lesson 3	Theme C.3 - Wave Phenomena
Lesson 4	Theme C.4 - Standing Waves and Resonance
Lesson 5	Theme C.5 - Doppler Effect
Lesson 6	Theme D.1 - Gravitational Fields
Lesson 7	Theme D.2 - Electric and Magnetic Fields
Lesson 8	Theme D.3 - Motion in EM fields
Lesson 9	Theme E.1 - Structure of the atom
Lesson 10	Theme E.3 - Radioactive Decay
Lesson 11	Theme E.4 - Fission
Lesson 12	Theme E.5 - Fusion and Stars
Lesson 13	Theme C.1 - Simple Harmonic Motion
Lesson 14	Theme C.2 - Wave Model
Lesson 15	Theme C.3 - Wave Phenomena
Lesson 16	Theme C.4 - Standing Waves and Resonance
Lesson 17	Theme C.5 - Doppler Effect
Lesson 18	Theme D.1 - Gravitational Fields
Lesson 19	Theme D.2 - Electric and Magnetic Fields
Lesson 20	Theme D.3 - Motion in EM fields
Lesson 21	Theme E.1 - Structure of the atom
Lesson 22	Theme E.3 - Radioactive Decay
Lesson 23	Theme E.4 - Fission
Lesson 24	Theme E.5 - Fusion and Stars

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2026 블룸스버리 여름특강 커리큘럼

CLASS Info

강의대상	강의정보	강사
IBDP2	UCAT 준비반 월수금(8주) 19:00-21:00(90분)	
Sarah Han 선생님		
학력		
	학사	UCL Biomedical Science
	석사	UCL Pharmaceuticals
	박사	Cambridge Pharmacology
담당과목		
	UCAT	
	Biology	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Diagnostic Test
Lesson 2	Lesson 1 – UCAT Overview + Diagnostic Overview of UCAT sections, scoring, and timing Mini diagnostic across all sections Identification of strengths and weaknesses Introduction to core timing and guessing strategies
Lesson 3	Lesson 2 – Verbal Reasoning (VR) Basics Question types (True/False/Can't Tell, inference) Skimming vs scanning techniques Guided untimed practice Introduction to timed VR questions Error analysis (keyword traps, inference errors)
Lesson 4	Lesson 3 – Decision Making (DM) Basics Logic fundamentals (syllogisms, Venn diagrams, probability, arguments) Diagram-based reasoning Guided practice Introduction to timed DM questions Error analysis
Lesson 5	Lesson 4 – Quantitative Reasoning (QR) Basics Calculator techniques and estimation Core mathematical topics (percentages, ratios, rates) Guided practice Timed QR drills Speed and accuracy refinement
Lesson 6	Lesson 5 – Abstract Reasoning (AR) Basics Pattern recognition categories (shape, number, position, color) SCANS method (Shape, Colour, Arrangement, Number, Symmetry) Guided classification practice Timed pattern recognition drills Strategy refinement
Lesson 7	Lesson 6 – Situational Judgement (SJT) Basics Introduction to professional guidelines and ethical principles Question types (appropriateness vs importance) Guided practice Timed mini test Discussion-based reasoning and justification
Lesson 8	Lesson 7 – VR Advanced Techniques Speed reading and information filtering Keyword mapping strategies Timed passage sets Identification of common traps and distractors
Lesson 9	Lesson 8 – DM Advanced Logic Complex logical reasoning and multi-step problems Advanced probability and argument evaluation Timed drills Review of logic errors
Lesson 10	Lesson 9 – QR Speed Training Mental maths shortcuts Data interpretation (graphs, tables, charts) Timed QR sets Identification of time-consuming question types

Lesson 11	Lesson 10 – AR Pattern Mastery Advanced and rare pattern types Mixed practice sets Timed drills Development of a personal pattern recognition system
Lesson 12	Lesson 11 – SJT Advanced Judgement Nuanced ethical reasoning (confidentiality, teamwork, professionalism) Challenging scenario analysis Timed practice Discussion-based review
Lesson 13	Lesson 12 – VR Full Section Practice Strategy consolidation Full VR section under timed conditions Detailed performance review
Lesson 14	Lesson 13 – DM Full Section Practice Full DM section under timed conditions Review focusing on diagram use and logic clarity Targeted practice on weak areas
Lesson 15	Lesson 14 – QR Full Section Practice Full QR section under timed conditions Review focusing on efficiency and calculation errors Speed-focused drills
Lesson 16	Lesson 15 – AR Full Section Practice Full AR section under timed conditions Pattern breakdown and classification Rapid recognition drills
Lesson 17	Lesson 16 – SJT Full Section Practice Full SJT section under timed conditions Ethical reasoning breakdown Strategy refinement
Lesson 18	Lesson 17 – Full Mock Exam 1 Complete UCAT mock under exam conditions Initial score analysis and reflection
Lesson 19	Lesson 18 – Mock 1 Review (Deep Analysis) Section-by-section breakdown Identification of recurring mistakes Targeted practice
Lesson 20	Lesson 19 – Full Mock Exam 2 Complete UCAT mock under exam conditions Immediate performance review
Lesson 21	Lesson 20 – Mock 2 Review + Strategy Refinement Error pattern analysis Adjustment of timing and strategy
Lesson 22	Lesson 21 – High-Score Techniques Advanced guessing strategies Section-specific shortcuts and tactics Targeted drills
Lesson 23	Lesson 22 – Full Mock Exam 3 Full exam simulation under strict conditions Score breakdown and performance tracking
Lesson 24	Lesson 24 – Final Strategy + Exam Readiness Final review of timing strategies Light practice across sections Psychological preparation and exam mindset

*** 강의진도는 학생들의 수업 이해도에 따라 달라질 수 있습니다.**