

2026 블룸스버리 여름특강 커리큘럼

CLASS Info

강의대상	강의정보	강사
Y8/G7	Maths 화목토(8주) 14:00-16:00(120분)	
김나연 대표원장님		
학력	학사	
	University College London (UCL/영국) BSc. Mathematics and Management	
담당과목	"IGCSE Mathematics MYP Mathematics Key Stage Mathematics"	

CLASS Curriculum

강의회차	강의내용
Lesson 1	Topic 1: Algebraic Operations 1A Algebraic notation 1B The language of mathematics 1C Algebraic substitution 1D Collecting like terms 1E Product and quotient simplification
Lesson 2	Topic 2: Percentage 2A Percentage increase and decrease 2B Finding the original amount 2C Simple interest 2D Compound interest
Lesson 3	Topic 3: Algebraic Expansion 3A The distributive law 3B The expansion rules 3C Expansion of radical expressions
Lesson 4	Topic 4: Solving Equations 4A Formal solution of linear equations 4B Equations with repeated unknowns 4C Fractional equations 4D Unknown in the denominator
Lesson 5	Topic 5: The Geometry of Polygons 5A Review of geometrical facts 5B Triangles 5C Isosceles triangles 5D Quadrilaterals and other polygons 5E Special quadrilaterals

Lesson 6	Topic 6: Indices 6A Index laws 6B Expansion laws 6C Zero and negative indices 6D Scientific notation (Standard form) 6E Significant figures
Lesson 7	Topic 7: Radicals and Pythagoras 7A Rules for square roots 7B Solving equations of the form 7C The theorem of Pythagoras 7D Problem solving using Pythagoras
Lesson 8	Topic 7: Radicals and Pythagoras 7D Problem solving using Pythagoras 7E Three dimensional problems (Extension) 7F Cube roots Topic 8: Length and Area 8A Lengths and perimeters 8B Circumference of a circle 8C Area
Lesson 9	Topic 8: Length and Area 8D Areas of circles and ellipses 8E Areas of composite figures 8F Surface area 8G Problem solving
Lesson 10	Topic 9: Algebra 9A Problem solving using equations 9B Finding an unknown from a formula 9C Solving linear inequations
Lesson 11	Topic 10: Volume and Capacity 10A Units of volume 10B Volume formulae 10C Capacity 10D Problem solving
Lesson 12	Topic 11: Coordinate Geometry 11A Gradient or slope 1B Graphing lines from equations 11C Other line forms 11D Finding equations from graphs 11E Points on lines
Lesson 13	Topic 12: Simultaneous Equations 12A Graphical solution 12B Solution by substitution 12C Solution by elimination 12D Problem solving with simultaneous equations
Lesson 14	Topic 13: Probabilities 13A Probability by experiment 13B Probabilities from tabled data 13C Probabilities from two way tables 13D Theoretical probability 13E Using grids to find probabilities 13F Multiplying probabilities
Lesson 15	Topic 13: Probabilities 13G Using tree diagrams 13H Expectation Topic 14: Similarity and Congruence 14A Similar figures 14B Similar triangles 14C Areas and volumes of similar objects 14D Congruence of triangles

Lesson 16	Topic 15: Algebraic Factorisation 15A Common factors 15B Factorising with common factors 15C Difference of two squares factorising 15D Perfect square factorisation 15E Factorising quadratic trinomials 15F Miscellaneous factorisation
Lesson 17	Topic 16: Quadratic Equations 16A The Null Factor law 16B Equations of the form 16C Solving equations using the 'difference of squares' 16D Solving equations of the form 16E Problem solving with quadratic equations
Lesson 18	Topic 16: Quadratic Equations 16E Problem solving with quadratic equations 16F Simultaneous equations involving quadratic equations Topic 17: Algebraic Fractions 17A Evaluating algebraic fractions 17B Simplifying algebraic fractions 17C Multiplying and dividing algebraic fractions
Lesson 19	Topic 17: Algebraic Fractions 17D Adding and subtracting algebraic fractions 17E Simplifying more complicated fractions Topic 18: Trigonometry 18A Trigonometry
Lesson 20	Topic 18: Trigonometry 18B The trigonometric ratios 18C Problem solving with trigonometry

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

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강의대상	강의정보	강사
Y8/G7	Y8 Eng 화목토(7주) 16:00-18:00(120분)	
Jack 선생님		
경력		
학사 University of Liverpool — English Language and Literature (BA) 석사 King’s College London — English Literature (MA) 박사 University of Glasgow — English Literature (PhD)		
담당과목		
IB English Lang Lit, English B GCSE English, A-level English		

CLASS Curriculum

강의회차	강의내용
Lesson 1	Poetry — Emily Dickenson
Lesson 2	Poetry — Percy Bysshe Shelly
Lesson 3	Poetry — Jorges Luis Borges
Lesson 4	Prose (short story) — 'Araby'
Lesson 5	Prose (short story) — 'The Tell-tale Heart'
Lesson 6	Prose (short story) — 'Sredni Vashtar'
Lesson 7	Poetry — Seamus Heaney
Lesson 8	Poetry — Seamus Heaney
Lesson 9	Poetry — James K. Baxter
Lesson 10	Close Reading (setting) — Cormac McCarthy
Lesson 11	Close Reading (setting) — William Golding
Lesson 12	Close Reading (setting) — Alexander Theroux
Lesson 13	Poetry — John Keats
Lesson 14	Poetry — Wilfred Owen
Lesson 15	Poetry — David Constantine
Lesson 16	Creative Writing (narrative writing — analysis and construction)
Lesson 17	Creative Writing (narrative writing — analysis and construction)
Lesson 18	Creative Writing (narrative writing — analysis and construction)
Lesson 19	Creative Writing (descriptive writing — analysis and construction)
Lesson 20	Creative Writing (descriptive writing — analysis and construction)
Lesson 21	Creative Writing (descriptive writing — analysis and construction)

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CLASS Info

강의대상	강의정보	강사
Y8/G7	Science 월수금 (8주) 11:00-13:00(120분)	
김민재 선생님		
학력		
NLCS Jeju (2022년도 졸업) Imperial College London (ICL/영국) BEng. Chemical Engineering (27년 졸업 예정)		
담당과목		
IB: Chemistry SL/HL A-Level: Chemistry IGCSE: Chemistry / Physics KS3 Science		

CLASS Curriculum

강의회차	강의내용
Chemistry	Chapter 1. Material changes
	Chapter 2. Chemical reactions
	Chapter 3. The reactions of metals
	Chapter 4. Acids, bases and indicators
Physics	Chapter 1. Density
	Chapter 2. Vibration, waves and sound
	Chapter 3. Light waves
	Chapter 4. Electricity on the move: Electrical circuits
	Chapter 5. More electrical components
	Chapter 6. Magnets and magnetic fields
Biology	Chapter 1. Respiration and gas exchange
	Chapter 2. Healthy living
	Chapter 3. Relationships in an ecosystem
	Chapter 4. Variation, classification and inheritance

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CLASS Info

강의대상	강의정보	강사
Y8-Y9 G7-G8	Science Lab Report 화목(8주) 18:00-19:30(90분)	
김의민 선생님		
학력		
학사	서울대학교 기계항공공학	
담당과목	Physics: AP, IB, IGCSE Chemistry: AP, IGCSE	

CLASS Curriculum

강의회차		강의내용
Lab Report 1	Lesson 1	[Pendulum Investigation] - Intro & Planning • Period (time of one swing) • Independent & dependent variables • Repeated measurements and averaging
	Lesson 2	[Pendulum Investigation] - Practical • Create pendulums with different string lengths • Measure time for multiple swings
	Lesson 3	[Pendulum Investigation] - Analysis • Length vs time graph • Identify relationship
	Lesson 4	[Pendulum Investigation] - Lab report
Lab Report 2	Lesson 5	[Ramp Motion Investigation] - Intro & Planning • Speed • Inclined plane
	Lesson 6	[Ramp Motion Investigation] - Practical • Change ramp angle • Measure time taken for object to travel a fixed distance
	Lesson 7	[Ramp Motion Investigation] - Analysis • Angle vs Speed graph • Relationship between slope and motion
	Lesson 8	[Ramp Motion Investigation] - Lab report
Lab Report 3	Lesson 9	[Reaction Rate Investigation] - Intro & Planning • Rate of reaction • Effect of temperature / concentration
	Lesson 10	[Reaction Rate Investigation] - Practical • Change temperature or concentration • Measure reaction time
	Lesson 11	[Reaction Rate Investigation] - Analysis • Variable vs Reaction time graph • Compare faster vs Slower reactions
	Lesson 12	[Reaction Rate Investigation] - Lab report
Lab Report 4	Lesson 13	[Friction Investigation] - Intro & Planning • Friction force • Effect of mass
	Lesson 14	[Friction Investigation] - Practical • Add different masses to an object • Measure the force required to pull it
	Lesson 15	[Friction Investigation] - Analysis • Mass vs frictional force graph • Relationship between weight and friction
	Lesson 16	[Friction Investigation] - Lab report

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