BUDAPEST BRITISH
INTERNATIONAL ACADEMY

Budapest British International Academy

Syllabus 2025-2026

Budapest British International Academy

Syllabus 2025 - 2026

Subject:	**Science**	**Year:**	**9**

Course purpose and aim:	Science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

TERM	TOPIC	BY THE COMPLETION OF THE COURSE, THE STUDENTS SHOULD KNOW
Term 1 Part 1	**Biology:** -Genetics and evolution -Plants growth	1. Heredity as the process by which genetic information is transmitted from one generation to the next. 2. A simple model of chromosomes, genes and DNA in heredity, including the part played by Watson, Crick, Wilkins and Franklin in the development of the DNA model. 3. Differences between species. 4. The variation between individuals within a species being continuous or discontinuous, to include measurement and graphical representation of variation. 5. The variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection. 6. Changes in the environment may leave individuals within a species, and some entire species, less well adapted to compete successfully and reproduce, which in turn may lead to extinction. 7. The importance of maintaining biodiversity and the use of gene banks to preserve hereditary material. 8. Plants making carbohydrates in their leaves by photosynthesis and gaining mineral nutrients and water from the soil via their roots. 9. The reactants in, and products of, photosynthesis, and a word summary for Photosynthesis. 10. The dependence of almost all life on Earth on the ability of photosynthetic organisms, such as plants and algae, to use sunlight in photosynthesis to build organic molecules that are an essential energy store and to maintain levels of oxygen and carbon dioxide in the atmosphere. 11. The adaptations of leaves for photosynthesis and the role of leaf stomata in gas exchange in plants.
Term 1 Part 2	**Chemistry:** - Making materials - Reactivity	1. The concept of advanced materials and their potential applications in various industries. 2. Analyse real-world examples of material failures and their consequences. 3. Identify and describe the properties of ceramics, including their hardness, brittleness, and resistance to heat. 4. Investigate the advantages and properties of composite materials, such as strength-to-weight ratio, durability, and resistance to corrosion. 5. Develop skills in providing constructive feedback and evaluating the work of peers. 6. Identify different types of recyclable materials, such as paper, plastic, glass, and metals. 7. Investigate different types of explosions and their causes. 8. Understand the concept of reactivity in chemical reactions. 9. Calculate percentage loss or gain in chemical reactions. 10. Explore displacement reactions and their applications. 11. Understand the process of extracting metals from ores.

Budapest British International Academy

Syllabus 2025 - 2026

Term 2 Part 1	**Physics:** - Forces and Motion - Forcefields and Electromagnets	1. Explore the concept of forces and their effects on objects. 2. Investigate energy transfer in moving objects. 3. Understand the relationship between forces, movement, and energy. 4. Analyze speed and its calculations. 5. Investigate turning forces and their applications. 6. Explore the concept of forces and their effects on objects. 7. Investigate energy transfer in moving objects. 8. Understand the relationship between forces, movement, and energy. 9. Analyze speed and its calculations. Investigate turning forces and their applications.
Term 2 Part 2	**Remaining topics:** -Biology Transition to Further Study - Chemistry Transition to Further Study	1. Investigate the threat posed by diseases and their impact on populations. 2. Explore different diseases and their causes, symptoms, and treatments. 3. Analyse control systems in living organisms. 4. Conduct experiments to test the effectiveness of medicines. 5. Understand the concepts of median, quartiles, and their application in data analysis. 6. Explore the connection between art and chemistry. 7. Investigate ions and their role in chemical reactions. 8. Study energy transfers in chemical reactions. 9. Analyse rates of reaction and factors affecting reaction rates. 10. Understand chemical equations and their representation.
Term 3	**Remaining topics:** -Physics Transition to Further Study	1. Investigate the contributions of famous physicists to the field of physics. 2. Understand the differences between scalar and vector quantities. 3. Explore various fields and their characteristics. 4. Analyse cause-and-effect relationships in physics phenomena. 5. Interpret information from graphs and data in physics contexts. 6. Be familiar with the IGCSE Biology, Chemistry and Physics specification and assessment structure.

At the end of the school year the final grade is weighted as follows:

Term 1:	Term 2:	Term3:	Final Exam	Total
30%	30%	20%	20%	100%

We will be using the Exploring Science International Textbooks to facilitate our learning journey. Please see the contents below:

https://www.pearson.com/content/dam/one-dot-com/one-dot-com/international-schools/pdfs/ilower-secondary/exploring-science-international/Exploring-Science-International-Contents.pdf

Subject:	English	Year:	7

Budapest British International Academy

Syllabus 2025 - 2026

Course purpose and aim:	English has a pre-eminent place in education and in society. A high-quality education in English will teach pupils to speak and write fluently so that they can communicate their ideas and emotions to others and through their reading and listening, others can communicate with them. Through reading in particular, pupils have a chance to develop culturally, emotionally, intellectually, socially and spiritually. Literature, especially, plays a key role in such development. Reading also enables pupils both to acquire knowledge and to build on what they already know. All the skills of language are essential to participating fully as a member of society; pupils, therefore, who do not learn to speak, read and write fluently and confidently are effectively disenfranchised.

TERM	TOPIC	BY THE COMPLETION OF THE COURSE, THE STUDENTS SHOULD
Term 1 Part 1	**Reading: non-fiction**	1. Make inferences and referring to evidence in the text 2. know the purpose, audience for and context of the writing and drawing on this knowledge to support comprehension 3. make critical comparisons across texts *Suggested units: argumentative essays, articles, speeches*
Term 1 Part 2	Writing: non-fiction	1. summarise and organising material, and supporting ideas and arguments with any necessary factual detail 2. write for a wide range of purposes and audiences, including well-structured formal expository and narrative essays 3. draw on new vocabulary and grammatical constructions from their reading and listening, and using these consciously in their writing and speech to achieve particular effects *Suggested units: Persuasive writing, rhetoric, speeches*
Term 2 Part 1	**Spoken English**	1. participate in formal debates and structured discussions, summarising and/or building on what has been said 2. give short speeches and presentations, expressing their own ideas and keeping to the point 3. draw on new vocabulary and grammatical constructions from their reading and listening, and using these consciously in their writing and speech to achieve particular effects *Suggested units: Debates, speeches,*
Term 2 Part 2	Reading Fiction	1. Read increasingly challenging material, including Shakespeare 2. Understand how the work of dramatists is communicated effectively through performance and how alternative staging allows for different interpretations of a play 3. Be able to make inferences and referring to evidence in the text *Suggested units: Romeo & Juliet, Hamlet, Julius Caesar*

Budapest British International Academy

Syllabus 2025 - 2026

Term 3	Writing Fiction

1. Summarise and organise material, and supporting ideas and arguments with any necessary factual detail
2. Feel comfortable writing for a wide range of purposes and audiences, including well-structured formal expository and narrative essays
3. Draw on new vocabulary and grammatical constructions from their reading and listening, and use these consciously in their writing and speech to achieve particular effects

Suggested units: essays, persuasive writing, rhetoric, analysis

At the end of the school year the final grade is weighted as follows:

Term 1:	Term 2:	Term3:	Final Exam	Total
30%	30%	20%	20%	100%

Budapest British International Academy

Syllabus 2025 - 2026

Subject:	**Mathematics**	**Year:**	**9**

Course purpose and aim:

Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. A high-quality mathematics education, therefore, provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

TERM	TOPIC	BY THE COMPLETION OF THE COURSE, THE STUDENTS SHOULD KNOW
Term 1 **Part 1**	**Reasoning with algebra:** -Straight line graphs -Forming and solving equations -Testing Conjectures -Algebraic representations	1. Compare gradients 2. Compare intercepts 3. Understand and use $y = mx + c$ 4. Write an equation in the form $\boldsymbol{y = mx + c}$ 5. Find the equation of a line from a graph 6. Interpret gradient and intercepts of real-life graphs 7. Model real-life graphs involving inverse proportion 8. Solve one- and two-step equations and inequalities 9. Solve one- and two-step equations and inequalities with brackets 10. Inequalities with negative numbers 11. Solve equations with unknowns on both sides 12. Solve inequalities with unknowns on both sides 13. Solving equations and inequalities in context 14. Substituting into formulae and equations 15. Rearrange formulae (one-step) 16. Factors, Multiples and Primes 17. Conjectures about number 18. Expand a pair of binomials 19. Conjectures with algebra 20. Explore the 100 grid 21. Expand three binomials 22. Draw and interpret quadratic graphs 23. Interpret graphs, including reciprocal and piece-wise 24. Investigate graphs of simultaneous equations 25. Represent inequalities

Budapest British International Academy

Syllabus 2025 - 2026

Term 1 Part 2	**Constructing in 2 and 3 Dimensions and Probability:** -Three-dimensional shapes -Constructions and Congruency -Probability	1. Know names of 2-D and 3-D shapes 2. Recognise prisms 3. Accurate nets of cuboids and other 3-D shapes 4. Sketch and recognise nets of cuboids and other 3-D shapes 5. Plans and elevations 6. Find area of 2-D shapes 7. Work out the surface area of cubes and cuboids, triangular prisms and cylinders 8. Work out the volume of cubes and cuboids 9. Work out the volume of other 3-D shapes – prisms and cylinders 10. Explore volumes of cones, pyramids and spheres H 11. Draw and measure angles 12. Construct and interpret scale drawings 13. Locus of distance from a point 14. Locus of distance from a straight line/shape 15. Locus equidistant from two points 16. Construct a perpendicular bisector 17. Construct a perpendicular from a point 18. Construct a perpendicular to a point 19. Locus of distance from two lines 20. Construct an angle bisector 21. Construct triangles from given information 22. Identify congruent figures 23. Explore congruent triangles 24. Identify congruent triangles 25. Single event probability 26. Relative frequency – include convergence 27. Independent events and expected outcomes 28. Use tree diagrams 29. Use tree diagrams to solve 'without replacement' problems 30. Use diagrams to work out probabilities
Term 2 Part 1	**Reasoning with algebra:** -Straight line graphs -Forming and solving equations -Testing Conjectures -Algebraic representations	1. Compare gradients 2. Compare intercepts 3. Understand and use $y = mx + c$ 4. Write an equation in the form $\boldsymbol{y = mx + c}$ 5. Find the equation of a line from a graph 6. Interpret gradient and intercepts of real-life graphs 7. Model real-life graphs involving inverse proportion 8. Solve one- and two-step equations and inequalities 9. Solve one- and two-step equations and inequalities with brackets 10. Inequalities with negative numbers 11. Solve equations with unknowns on both sides 12. Solve inequalities with unknowns on both sides 13. Solving equations and inequalities in context 14. Substituting into formulae and equations 15. Rearrange formulae (one-step) 16. Factors, Multiples and Primes 17. Conjectures about number 18. Expand a pair of binomials 19. Conjectures with algebra 20. Explore the 100 grid 21. Expand three binomials 22. Draw and interpret quadratic graphs 23. Interpret graphs, including reciprocal and piece-wise 24. Investigate graphs of simultaneous equations 25. Represent inequalities

Budapest British International Academy

Syllabus 2025 - 2026

Term 2 Part 2	**Constructing in 2 and 3 Dimensions and Probability:** -Three-dimensional shapes -Constructions and Congruency -Probability	1. Know names of 2-D and 3-D shapes 2. Recognise prisms 3. Accurate nets of cuboids and other 3-D shapes 4. Sketch and recognise nets of cuboids and other 3-D shapes 5. Plans and elevations 6. Find area of 2-D shapes 7. Work out the surface area of cubes and cuboids, triangular prisms and cylinders 8. Work out the volume of cubes and cuboids 9. Work out the volume of other 3-D shapes – prisms and cylinders 10. Explore volumes of cones, pyramids and spheres H 11. Draw and measure angles 12. Construct and interpret scale drawings 13. Locus of distance from a point 14. Locus of distance from a straight line/shape 15. Locus equidistant from two points 16. Construct a perpendicular bisector 17. Construct a perpendicular from a point 18. Construct a perpendicular to a point 19. Locus of distance from two lines 20. Construct an angle bisector 21. Construct triangles from given information 22. Identify congruent figures 23. Explore congruent triangles 24. Identify congruent triangles 25. Single event probability 26. Relative frequency – include convergence 27. Independent events and expected outcomes 28. Use tree diagrams 29. Use tree diagrams to solve 'without replacement' problems 30. Use diagrams to work out probabilities
Term 3	**Reasoning with algebra:** -Straight line graphs -Forming and solving equations -Testing Conjectures -Algebraic representations	1. Compare gradients 2. Compare intercepts 3. Understand and use $y = mx + c$ 4. Write an equation in the form $\boldsymbol{y = mx + c}$ 5. Find the equation of a line from a graph 6. Interpret gradient and intercepts of real-life graphs 7. Model real-life graphs involving inverse proportion 8. Solve one- and two-step equations and inequalities 9. Solve one- and two-step equations and inequalities with brackets 10. Inequalities with negative numbers 11. Solve equations with unknowns on both sides 12. Solve inequalities with unknowns on both sides 13. Solving equations and inequalities in context 14. Substituting into formulae and equations 15. Rearrange formulae (one-step) 16. Factors, Multiples and Primes 17. Conjectures about number 18. Expand a pair of binomials 19. Conjectures with algebra 20. Explore the 100 grid 21. Expand three binomials 22. Draw and interpret quadratic graphs 23. Interpret graphs, including reciprocal and piece-wise 24. Investigate graphs of simultaneous equations 25. Represent inequalities

At the end of the school year the final grade is weighted as follows:

Term 1:	Term 2:	Term3:	Final Exam	Total
30%	30%	20%	20%	100%

Budapest British International Academy

Syllabus 2025 - 2026

Subject:	**Humanities**	**Year:**	**9**

Course purpose and aim:

A high-quality humanities education will help pupils gain a coherent knowledge and understanding of Britain's past and that of the wider world. It should inspire pupils' curiosity to know more about the past. As pupils progress, their growing knowledge about the world should help them to deepen their understanding of the interaction between physical and human processes, and of the formation and use of landscapes and environments. Teaching should equip pupils with the skills and knowledge to explore political and social issues critically and to take their place in society as responsible citizens.

TERM	TOPIC	BY THE COMPLETION OF THE COURSE, THE STUDENTS SHOULD
Term 1 Part 1	History: 1800-1918	1. Understand the key events in, and impact of, Britain as the first industrial nation 2. Explain the development of women's suffrage in Britain and the world 3. Understand the underlying factors of, and reasons for, the First World War and the Peace Settlement
Term 1 Part 2	Geography: Physical geography	1. Understand and be able to describe the key processes in hydrology and coasts 2. Be able to describe the effects of and reasons for differences in weathering and soils 3. Give accounts and explain how human activity relies on effective functioning of natural systems
Term 2 Part 1	History: 1918-2000	1. Have an overview of key events during the Great Depression and the rise of dictators 2. Understand the underlying factors of, and reasons for, the Second World War and the Holocaust 3. Be able to give an account of the reasons for, and participants in, The Cold War
Term 2 Part 2	Geography: Human Geography	1. Understand the differences in economic activity in the primary, secondary, tertiary and quaternary sectors and the use of natural resources 2. Explain how human activity relies on effective functioning of natural systems 3. Use fieldwork in contrasting locations to collect, analyse and draw conclusions from geographical data, using multiple sources of increasingly complex information.

Budapest British International Academy

Syllabus 2025 - 2026

Term 3	Citizenship Politics & Society

1. Understand the roles played by public institutions and voluntary groups in society, and the ways in which citizens work together to improve their communities, including opportunities to participate in school-based activities
2. Be able to explain local, regional and international governance and the United Kingdom's relations with the rest of Europe, the Commonwealth, the United Nations and the wider world
3. Have an overview of human rights and international law

At the end of the school year the final grade is weighted as follows:

Term 1:	Term 2:	Term3:	Final Exam	Total
30%	30%	20%	20%	100%