

BRITANNICA INTERNATIONAL SCHOOL, SHANGHAI

Curriculum Plan

Academic Year 2022-23:

Subject: Psychology
Exam Board: Cambridge

Year: 12
Syllabus Code: 9990

	Term 1	Term 2	Term 3
	<p><u>Social approach</u></p> <ul style="list-style-type: none"> Milgram study Piliavin et al. study Yamamoto et al. study <p><u>Learning approach</u></p> <ul style="list-style-type: none"> Bandura et al. study Saavedra and Silverman study Pepperberg study <p><u>Cognitive approach</u></p> <ul style="list-style-type: none"> Andrade study Baron-Cohen et al. study Laney et al. study <p><u>Biological approach</u></p> <ul style="list-style-type: none"> Canli et al. study Dement and Kleitman study Schachter and Singer study 	<p><u>Research Methods</u></p> <ul style="list-style-type: none"> Types of Data Hypotheses and aims Variables Sampling of participants Experimental design Controlling variables Reliability Validity Ethics Data analysis <p><u>Issues & Debates</u></p> <ul style="list-style-type: none"> the application of psychology to everyday life individual and situational explanations nature versus nurture the use of children & animals in psychological research 	<p><u>Revision</u></p> <ul style="list-style-type: none"> Paper 1 Paper 2
Assessment	Unit tests Mock Exam	Unit tests Mock Exam	Paper 1 & 2 Examination



Curriculum Plan

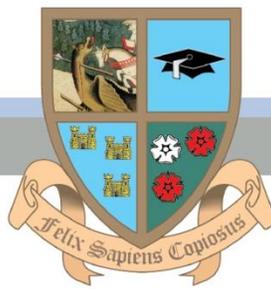
Academic Year 2022-23

Subject: English

Year: 12 AS Level Language

	Term 1	Term 2	Term 3
	<p>Bridging the gap: iGCSE to AS Level Paper 1: Reading</p> <p>Students will develop their knowledge and understanding of an extensive and wide range of content throughout the first term. They learn to adopt methods (GASP, CLIGPO) to analyse a variety of components within the English language, adopting a more in-depth and detailed approach than at iGCSE. They will then transfer skills acquired by applying them to their own work. A heavy focus will be placed on secondary reading and independent study to offer the opportunity to students to become more responsible and better prepared for life at university.</p> <ul style="list-style-type: none"> • Advertisements • Brochures • Leaflets • Editorials • News stories • Articles • Reviews • Blogs • Investigative journalism • Letters • Podcasts • (auto) biographies • Travel writing • Diaries • Essays • Scripted speech • Narrative writing • Descriptive writing 	<p>AS Level Paper 2: Writing</p> <p>The knowledge and understanding that students will need to show in Paper 2 is the same as is covered in Paper 1 but students will apply these skills and techniques in a number of ways, including:</p> <ul style="list-style-type: none"> • Writing for a specific audience and purpose • Structuring your writing • Using a range of appropriate linguistic and literary features • Expressing ideas clearly and accurately • Reflecting upon and evaluating the qualities of your own writing, including aspects relating to its purpose, form and audience. 	<p>Review Sessions/ Study Leave</p> <p>Students use this time to focus on what is required for the exam. This will range from:</p> <ul style="list-style-type: none"> • Review sessions in class • Using their coursework effectively to self-study • A variety of past practice papers • Learning to make effective use of time. <p>All practice papers will be marked in class and the students will be given opportunity to revise their answers in order to create models.</p> <p>During study leave, students are encouraged to maintain diligence towards their chosen academic subject whilst regularly communicating with their teacher.</p>
Assessment	<ul style="list-style-type: none"> • End of Unit Tests 	<ul style="list-style-type: none"> • End of Unit Tests 	<ul style="list-style-type: none"> • 2nd Mock Exam / External Exam

	<ul style="list-style-type: none">• Practice Papers• Extended Writing (in class/ homework)• Coursework• Mock Exam	<ul style="list-style-type: none">• Practice Papers• Extended Writing (in class/ homework)• Coursework• Mock Exam	<ul style="list-style-type: none">• Self-study• Practice Papers
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BRITANNICA INTERNATIONAL SCHOOL, SHANGHAI

Curriculum Plan

Academic Year 2022-23:

Subject: AS Business

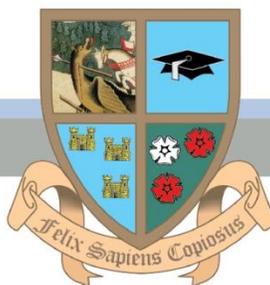
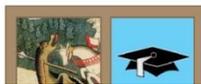
Year: 12

Exam Board: CIE Cambridge

Syllabus Code: 9609

	Term 1	Term 2	Term 3
	<p>1 Business and environment</p> <ul style="list-style-type: none"> • Enterprise • Business structure • Size of business • Business objectives • Stakeholders in a business <p>2 People in organisations</p> <ul style="list-style-type: none"> • Human resource management Motivation • Management and leadership 	<p>3 Marketing</p> <ul style="list-style-type: none"> • The nature of marketing • Market research • The marketing mix <p>4 Operations management</p> <ul style="list-style-type: none"> • The nature of operations • Inventory management • Capacity utilisation and outsourcing 	<p>5 Finance and accounting</p> <ul style="list-style-type: none"> • Business finance • Sources of finance • Forecasting and managing cash flows • Costs • Budgets <p>6 Exam Practice and Revision</p>
Assessment	<ul style="list-style-type: none"> • End of Unit Tests • Past/Specimen Papers and Mark Schemes 	<ul style="list-style-type: none"> • End of Unit Test/ Mock Exam • Past/Specimen Papers and Mark Schemes 	<ul style="list-style-type: none"> • 2nd Mock Exam / External Exam/s • Past/Specimen Papers and Mark Schemes





BRITANNICA INTERNATIONAL SCHOOL, SHANGHAI

Curriculum Plan

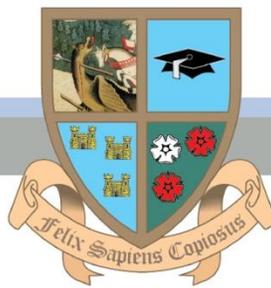
Academic Year 2022-23

Subject: AS Level IT

Year: Year 12

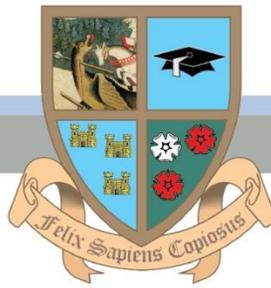
	Term 1	Term 2	Term 3
	<p>Data, information, knowledge and processing:</p> <ul style="list-style-type: none"> • Impact of Information Technology. • Sources of data. • Quality of information. • Coding, encoding and encrypting data. • Checking the accuracy of data. 	<p>The digital divide:</p> <ul style="list-style-type: none"> • Economic demographics. • Rural. • Education. • Socioeconomics. • Client performance. 	<p>Sound and video editing:</p> <ul style="list-style-type: none"> • Edit a video clip. • Sound and overdub. • Compress and resolutions. • Video editing features. • Sampling rates.
	<p>Hardware and software:</p> <ul style="list-style-type: none"> • Hardware. • System, application and user interface software. • Utility software. • Custom written software and off-the-shelf software. • Compiler and interpreter. 	<p>Using networks:</p> <ul style="list-style-type: none"> • Wan-Lan. • Client-Servers • Peer-to-peer networks. • VPN. • Intranets and Extranets. • Internet. • Mobile Networks. • Video and web conferencing. • (ISDN), 802.11, wireless, ADSL, SDSL, 3G/4G mobile networks. 	<p>Exam Prep</p>





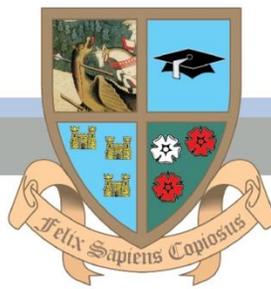
	<p>Monitoring and control:</p> <ul style="list-style-type: none"> • Hardware and software. • Sensors. • Monitoring technologies. • Control technologies. 	<p>Expert systems and other types of processing:</p> <ul style="list-style-type: none"> • Components. • Backward chaining. • Forward chaining. • Master and Transaction files • Batch, online interactive and real time processing. 	<p>Exam Prep</p>
	<p>E-safety and health and safety:</p> <ul style="list-style-type: none"> • Impact of Information Technology. • The internet. • Smishing. • Vishing. • Phishing. • Pharming. • Health issues. 	<p>Database and file concepts:</p> <ul style="list-style-type: none"> • Data types including: text, alphanumeric, numeric (integer, decimal), date/time, Boolean. • One-to-one, one-to-many and many-to-many. • Relationship diagram/tables. • Primary key. • Compound key. • Foreign key. • Referential integrity. • Validation. • Complex/Nested queries. • Data entry forms. • Switchboard menus in databases. • Normalisation to third normal form (3NF). • Data dictionary. • Query selection. • File and data management (MIS). 	<p>Exam Prep</p>





	<p>Spreadsheets:</p> <ul style="list-style-type: none"> • Structure. • Cell manipulation. • Formatting cells. • Formulae. • Functions: (sum, average, minimum, maximum, integer, rounding, counting, IF, nested IF, lookup, INDEX/MATCH, conditional formulae to include counting, sum, average. • Validation rules. • Effective evaluation. • Extract Data: <ul style="list-style-type: none"> • text, numeric, date, time, Boolean operators (AND, OR, NOT), >, <, =, .>=, ,<=, contains, starts with, ends with. • Display data using pivot tables/charts. • Import and export data. • Graphs and charts. • Modelling; What If. Simulations. 		
Assessment	End of Unit Tests	End of Unit Test/ Mock Exam	2 nd Mock Exam / External Exam





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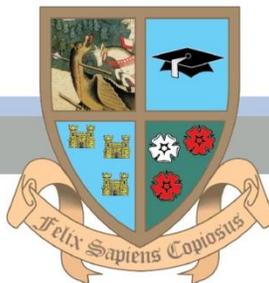
Academic Year 2022-23

Subject: Media Studies
Exam Board: Cambridge

Year: 12
Syllabus Code: 9607

	Term 1	Term 2	Term 3
	<p>Foundation Portfolio</p> <p>Students learn a range of basic media concepts and techniques, and create a digital coursework project.</p> <ul style="list-style-type: none"> • Film opening codes and conventions • Magazine codes and conventions • Cinematography • Genre • Graphic Design • Video editing • Creating a blog • Researching and planning a digital project • Practising using technology: cameras, lights, editing 	<p>Media Industries and Concepts</p> <p>Students begin to learn a range of abstract ideas surrounding media debates, and discover how media industries operate by researching real case studies.</p> <ul style="list-style-type: none"> • Media Industries (film, video game, radio, print, music) • How media companies use marketing, production, distribution • How technology has changed media consumption • Issues surrounding how media ownership has affected media consumption and creation • Researching real case studies • Media Theories • Essay writing 	<p>Essay Writing and Revision</p> <p>Students develop a clear understanding of how to write in the analytical style, as well as the discursive style, and revise key concepts from the year.</p>
Assessment	<ul style="list-style-type: none"> • End of Unit Tests • Multiple Choice Quizzes • Creation presentations • Weekly blog checks 	<ul style="list-style-type: none"> • End of Unit Test/ Mock Exam • Multiple Choice Quizzes • Extended Writing 	<ul style="list-style-type: none"> • 2nd Mock Exam / External Exam • Multiple Choice Quizzes • Extended Writing





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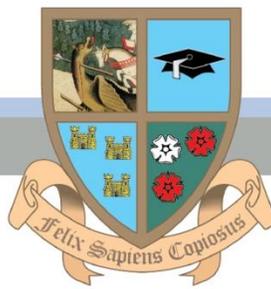
Curriculum Plan - Academic Year 2022-23

Subject: Physics
Exam Board: CIE

Year: 12
Syllabus Code: 9702

	Term 1	Term 2	Term 3
	Physical quantities and units 1.1 Physical quantities 1.2 SI units 1.3 Errors and uncertainties 1.4 Scalars and vectors Kinematics 2.1 Equations of motion Dynamics 3.1 Momentum and Newton's laws of motion 3.2 Non-uniform motion 3.3 Linear momentum and its conservation Forces, density and pressure 4.1 Turning effects of forces 4.2 Equilibrium of forces 4.3 Density and pressure Work, energy and power 5.1 Energy conservation 5.2 Gravitational potential energy and kinetic energy	Deformation of solids 6.1 Stress and strain 6.2 Elastic and plastic behaviour Waves 7.1 Progressive waves 7.2 Transverse and longitudinal waves 7.3 Doppler effect for sound waves 7.4 Electromagnetic spectrum 7.5 Polarisation Superposition 8.1 Stationary waves 8.2 Diffraction 8.3 Interference 8.4 The diffraction grating Electricity 9.1 Electric current 9.2 Potential difference and power 9.3 Resistance and resistivity	D.C. circuits 10.1 Practical circuits 10.2 Kirchhoff's laws 10.3 Potential dividers Particle physics 11.1 Atoms, nuclei and radiation 11.2 Fundamental particles Manipulation, measurement and observation Presentation of data and observations Analysis, conclusions and evaluation
Assessment	End of Unit Assessments Mock Examination	End of Unit Assessments Mock Examination	End of Unit Assessments Mock Examination





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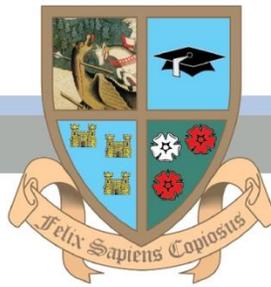
Curriculum Plan Academic Year 2022-2023

Subject: Physical Education

Year: 12 & 13 (Core PE)

Year Group	Term 1	Term 2	Term 3
<u>12 & 13</u> <u>Core PE</u>	<p><u>Block 1</u> <u>Invasion Games</u></p> <ul style="list-style-type: none"> • Keeping possession (dribbling, passing, receiving). • Attacking play. • Defensive play. • Scoring. • Rules and Regulations. • Tactics. <p><u>Block 2</u> <u>Health Related Exercise</u></p> <ul style="list-style-type: none"> • Fitness testing protocols and performance. • Warm up and cool down. • Principles and Methods of Training. • Aerobic and anaerobic energy systems. 	<p><u>Block 3</u> <u>Swimming</u></p> <ul style="list-style-type: none"> • Stroke development (freestyle, breaststroke, backstroke, butterfly). • Diving and other entry methods. • Water safety and personal survival. • Threading water and float creation with clothes. <p><u>Block 4</u> <u>Net/Wall</u></p> <ul style="list-style-type: none"> • Overhead and underarm clear. • Smash, drop-shot, drive. • Serve (long, short, flick). • Tactical game play, shot selection and movement around the court. 	<p><u>Block 5</u> <u>Athletics</u></p> <ul style="list-style-type: none"> • Short and long-distance running events. • Relay races, baton changeover within the boundaries. • Long Jump and High Jump. • Shot put. • Discus. <p><u>Block 6</u> <u>Striking and Fielding</u></p> <ul style="list-style-type: none"> • Batting/hitting. • Bowling/pitching. • Throwing and catching. • Fielding. • Back stop. • Base play.
Assessment	Teacher Observations Peer-Assessment Self-Assessment Video Analysis	Teacher Observations Peer-Assessment Self-Assessment Video Analysis	Teacher Observations Peer-Assessment Self-Assessment Video Analysis





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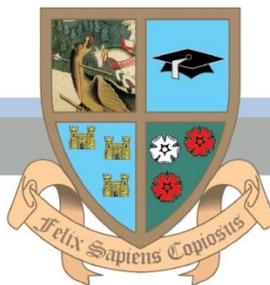
Curriculum Plan

Academic Year 2022-23

Subject: Mathematics **Year:** 12
Exam Board: Edexcel International A Level **Syllabus Code:**

	Term 1	Term 2	Term 3
	<p><u>Pure Mathematics 1</u> Algebraic Expression Quadratics Equations and Inequalities Graphs and Transformations Straight Line Graphs Trigonometric Ratios Radians Differentiation Integration</p> <p><u>Pure Mathematics 2</u> Algebraic Methods Coordinate Geometry in the (x,y) Plane Exponentials and Logarithm The Binomial Expansion</p>	<p><u>Pure Mathematics 2 (cont)</u> Sequence and Series Trigonometric Identities and Equations Differentiation Integration</p> <p><u>Statistics 1</u> Mathematical Modelling Measure of Location and Spread Representation of Data Probability Correlation and Regression Discrete Random Variables</p>	<p><u>Statistics 1 (cont)</u> The Normal Distribution</p> <p>Review and Revision for final examinations</p>
Assessment	End of topic assessments and the first mock examination (P1)	End of topic assessments and assessed past papers	Second set of formal mock examination, assessed past papers and the P1, P2, S1 A Level examinations





BRITANNICA INTERNATIONAL SCHOOL, SHANGHAI

Curriculum Plan

Academic Year 2022-23:

Subject: A Level Chinese

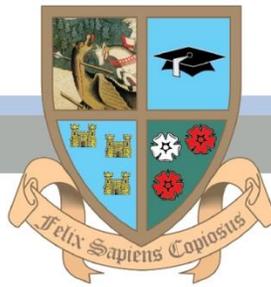
Year: 12

Exam Board: CIE

Syllabus Code: 9868

	Term 1	Term 2	Term 3
	<p>Text 文学作品： 老舍《龙须沟》 钱钟书《围城》</p> <p>Topics 话题: 1.Culture - Entertainment - Identity & Culture - The arts 2.Health & wellbeing - Health & fitness - Nutrition - Managing well-being</p> <p>Writing Task 重点写作类型: Argumentative writing 议论文</p>	<p>Text 文学作品： 钱钟书《围城》 白先勇《永远的尹雪艳》</p> <p>Topics 话题: 3.Education & future plans - Life at school - Further/higher education - Career/work choices 4.Community and society - Equality and diversity - Lifestyle - Society</p> <p>Writing Task 重点写作类型: Discursive writing 讨论文</p>	<p>Text 文学作品： 白先勇《游园惊梦》 白先勇《冬夜》</p> <p>Topics 话题: 5.Our responsibility for the planet - The environment - Sustainable living - Protecting our world</p> <p>Writing Task 重点写作类型: Descriptive writing 描写文</p>
Assessment	Formative assessment on each topic. Summative assessment on topics and texts in Term 1.	Formative assessment on each topic	Formative assessment on each topic. Summative assessment on all the topics learned this year.





BRITANNICA INTERNATIONAL SCHOOL, SHANGHAI

Curriculum Plan

Academic Year 2022-23

Subject: Art & Design

Year: 12

Exam Board: CIE

Syllabus Code: 9479

	Term 1	Term 2	Term 3
	Component 1(Personal Investigation) developing written and practical work. Creating a portfolio and final outcome. Six sheets A2 on BOTH SIDES plus one A2 final outcome.	Students are given an externally set assignment and must produce work according to a chosen theme.	Students start with Component 3(Personal Investigation) and prepare for the final assessment of their coursework. By now the student should have a clear understanding of the assessment objectives.
Assessment	Component 1 A level Portfolio planning and final outcome	Component 2 A level Extended Set Assignment	Start Component 3 Personal investigation

