



Curriculum Plan – 2024-25

Subject: A2 Chemistry
Exam Board: Cambridge International Examinations (CIE)

Year: 13
Syllabus Code: 9701

| | Term 1 | Term 2 | Term 3 |
|------------|---|---|--|
| Content | <p>Physical chemistry</p> <ul style="list-style-type: none"> • Chemical energetics • Electrochemistry • Equilibria • Reaction kinetics <p>Inorganic chemistry</p> <ul style="list-style-type: none"> • Group 2 • Chemistry of transition elements | <p>Organic chemistry</p> <ul style="list-style-type: none"> • An introduction to A Level organic chemistry • Hydrocarbons • Halogen compounds • Hydroxy compounds • Carboxylic acids and derivatives • Nitrogen compounds • Polymerisation • Organic synthesis | <p>Analysis</p> <ul style="list-style-type: none"> • Analytical techniques <p>Exam Revision</p> |
| Assessment | <p>End of Unit Tests, Exam based questions Practice Papers</p> | <p>End of Unit Tests, Exam based questions Practice Papers</p> | <p>End of Unit Tests, Exam based questions Practice Papers</p> |



Curriculum Plan – 2024-25

Subject: A-level Business
Exam Board: CIE Cambridge

Year: 13
Syllabus Code: 9609

| | Term 1 | Term 2 | Term 3 |
|------------|---|--|---|
| Content | <p>1 Business and its environment</p> <ul style="list-style-type: none"> External influences on business activity Business strategy <p>2 Human resource management</p> <ul style="list-style-type: none"> Organisational structure Business communication Leadership Human resource management strategy | <p>3 Marketing</p> <ul style="list-style-type: none"> Marketing analysis Marketing strategy <p>4 Operations management</p> <ul style="list-style-type: none"> Location and scale Quality management Operations strategy | <p>5 Finance and accounting</p> <ul style="list-style-type: none"> Financial statements Analysis of published accounts Investment appraisal Finance and accounting strategy <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 |



Curriculum Plan – 2024-25

Subject: A2 Biology

Exam Board: Cambridge International Examinations (CIE)

Year: 13

Syllabus Code: 9700

| | Term 1 | Term 2 | Term 3 |
|------------|---|--|--|
| Content | <p>12 Energy and respiration Energy Respiration</p> <p>13 Photosynthesis Photosynthesis as an energy transfer process Investigation of limiting Factors</p> <p>14 Homeostasis Homeostasis in mammals Homeostasis in plants</p> | <p>15 Control and coordination Control and coordination in mammals Control and coordination in plants</p> <p>16 Inheritance Passage of information from parents to offspring The roles of genes in determining the phenotype Gene control</p> <p>17 Selection and evolution Variation Natural and artificial selection Evolution</p> | <p>18 Classification, biodiversity and conservation Classification Biodiversity Conservation</p> <p>19 Genetic technology Principles of genetic technology Genetic technology applied to medicine Genetically modified organisms in agriculture</p> <p>Exam Revision</p> |
| Assessment | <p>End of Unit Tests, Exam based questions Practice Papers</p> | <p>End of Unit Tests, Exam based questions Practice Papers</p> | <p>End of Unit Tests, Exam based questions Practice Papers</p> |



Curriculum Plan – 2024-25

Subject: Art

Year: 13

| | Term 1 | Term 2 | Term 3 |
|---------|--|---|---|
| Content | <p>Component 1(Personal Investigation) developing written and practical work. Creating a portfolio and final outcome.</p> <p>Six sheets A2 on BOTH SIDES plus one A2 final outcome. Creative title page</p> <ul style="list-style-type: none"> • Mind map- initial ideas • Secondary source visual research pages and drawing from these. Annotation. Present own work alongside originals. • Primary source research: sketches, photos, annotation, drawn studies (closely observed and some more experimental). Present own work alongside originals. • Students to decide on focus for own work under the broad heading. • Research artists that they are interested in. | <p>Component 1(Personal Investigation) developing written and practical work. Creating a portfolio and final outcome.</p> <p>Complete pastiche in style of artist Research and creative presentation A series of paintings and drawings developing observational drawing skills. Analysis of own and others' work</p> <ul style="list-style-type: none"> • Complete own piece from primary sources in style of artist • Explore techniques and a range of media. • Refine and develop ideas, media choices. • Continue to create pieces that support the in <p>Six sheets A2 on BOTH SIDES plus one A2 final outcome.</p> <p>The Five Assessment Objectives (AO) re: A01 -Gathering, recording, research, and investigation A02 – Exploration and development of ideas A03 – Organisation and relationships of visual and/or other forms A04-Selection and control of materials, media and processes A05 – Personal vision and presentation</p> | <p>Students start with Component 3(Personal Investigation) and prepare for the final assessment of their coursework.</p> <p>Contextual research- A range of artists depicting alternative subjects <ul style="list-style-type: none"> • Studies/pastiche of chosen artists work • Exploring properties and characteristics of wet and dry media • Observational drawings Opportunity to create own still life compositions to draw/paint from Developing drawing skills Develop plan for final piece showing alternative ideas. Work in more detail on chosen idea Culminating in a final piece that is refined, shows inspiration/links to chosen contextual link/artist</p> <p>By now the student should have a clear understanding of the assessment objectives.</p> |

Britannica International School Shanghai
Curriculum Plan – Year 13



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| Assessment | AO1, AO2, AO3 skills assessed | AO1, AO2, AO3 skills assessed | AO2, AO3 skills assessed |
|-------------------|-------------------------------|-------------------------------|--------------------------|



Curriculum Plan 2024-2025

Subject: Physical Education

Year: 12 & 13 (Core PE)

| Year Group | Term 1 | Term 2 | Term 3 |
|--|---|---|--|
| <p><u>12 & 13</u> <u>Core PE</u></p> | <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. |
| <p>Assessment</p> | <p>Teacher Observations Peer-Assessment Self-Assessment Video Analysis</p> | <p>Teacher Observations Peer-Assessment Self-Assessment Video Analysis</p> | <p>Teacher Observations Peer-Assessment Self-Assessment Video Analysis</p> |



Curriculum Plan – 2024 - 2025

Subject: English Language
Exam Board: Cambridge

Year: Y13
Syllabus Code: 9093

| | Term 1 | Term 2 | Term 3 |
|----------------|---|--|---|
| Content | <p>Paper 3: Language Analysis Section A: Language Change Section B: Child Language Acquisition</p> <p>Students will build upon what they learned at Y12 and begin to develop their analytical skills towards specific research areas and prepare for University-level study. They will engage with an extensive and wide range of content, theories and theorists. They will learn to analyse the linguistic concepts, methods and approaches of spoken language and how we develop language from a very young age. Students will learn to analyse transcripts and respond to it effectively. They will also need to be familiar with the following terminology:</p> <ul style="list-style-type: none"> • N-gram graph • Corpus Data • Substratum Theory • Random Fluctuation Theory • Functional Theory • Cultural Transmission Theory • Imitation and Reinforcement Theory • Investigative journalism • Language acquisition device • Cognitive Development Theory | <p>Paper 4: Language Topics Section A: English in the World Section B: Language and the Self</p> <p>For the final examined unit in the A Level, students will be expected to use their understanding to engage in discussion on two issues:</p> <ul style="list-style-type: none"> • English as a global language • How language contributes to the construction of self <p>Students will focus heavily on how the English language is used around the world. The given text you will explore might take the form of either</p> <ul style="list-style-type: none"> • News article • Blogs • Online comment posts • Editorials <p>Students will be expected to make links between wider research, implementing theories and studies specific to unit content.</p> <p>Students will also familiarize themselves with how the English language relates to social identity and the sense of self. They will also need to be familiar with the following terminology:</p> <ul style="list-style-type: none"> • The Saphir- Whorf hypothesis • Language of thought hypothesis | <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> |



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|-------------------|--|--|---|
| | | <ul style="list-style-type: none"> • Communication accommodation theory | |
| Assessment | <ul style="list-style-type: none"> • End of Unit Tests • Practice Papers • Extended Writing (in class/ homework) • Coursework • Mock Exam | <ul style="list-style-type: none"> • End of Unit Tests • Practice Papers • Extended Writing (in class/ homework) • Coursework <p>Mock Exam</p> | <ul style="list-style-type: none"> • 2nd Mock Exam / External Exam • Self-study <p>Practice Papers</p> |



Curriculum Plan – 2024-25

Subject: Psychology
Exam Board: Cambridge

Year: 13
Syllabus Code: 9990

| | Term 1 | Term 2 | Term 3 |
|------------|---|---|---|
| Content | <p>Consumer Psychology</p> <ul style="list-style-type: none"> • The physical environment • The psychological Environment • Consumer decision-making • The product • Advertising | <p>Organisational Psychology</p> <ul style="list-style-type: none"> • Motivation to work • Leadership & management • Group behaviour in organisations • Organisational work conditions • Satisfaction at work | <p>Revision:</p> <ul style="list-style-type: none"> • Review all content • Past Papers 3 and 4 |
| Assessment | AS Paper 3 Exam Style Questions Mock Examination | AS Paper 4 Exam Style Questions Mock Examinations | AS Paper 3 and 4 Exam Style Questions |



Curriculum Plan – 2024-25

Subject: Music
Exam Board: Cambridge

Year: 13
Syllabus Code: 9483

| | Term 1 | Term 2 | Term 3 |
|------------|--|---|--|
| Content | <p>The students will be introduced to the A-level Cambridge Music course and understand the assessment criteria and its requirements. Students will choose their coursework options and make preliminary research.</p> <p>Year 13 is a continuous cycle of personal research and feedback as students progress towards their final submission. Development and refinement of ideas is accomplished at the level of the individual.</p> | <p>As term 1. Draft versions of all coursework to be submitted and reviewed by the end of term.</p> | <p>Refinement and submission of all relevant coursework.</p> |
| Assessment | <p>Components 3, 4 or 5 skills assessed</p> | <p>Components 3, 4 or 5 skills assessed</p> | <p>Components 3, 4 or 5 skills assessed</p> |



Curriculum Plan – 2024-25

Subject: Mathematics
Exam Board: Edexcel International A Level

Year: 13

| | Term 1 | Term 2 | Term 3 |
|-------------------|--|---|--|
| Content | <p><u>Pure Mathematics 3</u></p> <p>Functions and Graphs Trigonometric Functions Trigonometric Addition Formulae Exponentials and Logarithms Differentiation Integration Numerical Methods</p> <p><u>Pure Mathematics 4</u></p> <p>Proof Partial Fractions Coordinate Geometry in the (x,y) Plane Binomial Expansion</p> | <p><u>Pure Mathematics 4 (cont)</u></p> <p>Differentiation Integration Vectors</p> <p><u>Decision Mathematics 1</u></p> <p>Algorithms Graphs and Networks Algorithms on Graphs Route Inspection Travelling Salesman Critical Path Analysis Linear Programming</p> | <p>Review and Revision for final examinations</p> |
| Assessment | <p>End of topic assessments and the first mock examination (P3)</p> | <p>End of topic assessments and assessed past papers</p> | <p>Second set of formal mock examination, assessed past papers and the P3, P4, D1 A Level examinations</p> |



Curriculum Plan – 2024-25

Subject: ICT
Exam Board: Cambridge

Year: 13
Syllabus Code: 9626

| | Term 1 | Term 2 | Term 3 |
|------------|---|---|---|
| Content | <p>IT in society</p> <ul style="list-style-type: none"> - Digital currency - Data mining - Social networking - The impact of IT - Technology enhanced learning <p>New and emerging technologies</p> <p>Mail merge</p> <p>Communications technology</p> <ul style="list-style-type: none"> - Networks - Components - Servers - Cloud computing - Data transmission - Protocols - Wireless - Mobile - Security - Disaster recovery <p>Programming for the web</p> | <p>Project management</p> <ul style="list-style-type: none"> - Project life cycle - Software - Tools and techniques <p>System life cycle</p> <ul style="list-style-type: none"> - Stages of the cycle - Analysis - Design - Development and testing - Implementation - Documentation - Evaluation - Methods - Prototyping - Maintenance <p>Graphics creation</p> <ul style="list-style-type: none"> - Common skills - Vector graphics - Bitmap images - Compression - Text <p>Animation</p> <p>Data analysis and visualisation</p> | <p>Practical skills review</p> <p>Exam revision</p> |
| Assessment | <p>End of topic tests</p> <p>Mock exam</p> | <p>End of topic tests</p> <p>Mock exam</p> | <p>In class assessment</p> <p>Final A Level exam</p> |



Curriculum Plan – 2024-25

Subject: History
Exam Board: Cambridge

Year: 13
Syllabus Code: 9489

| | Term 1 | Term 2 | Term 3 |
|------------|--|---|---|
| Content | <p>Origins and Development of the Cold War:</p> <ul style="list-style-type: none"> • Tensions between East and West during WW2 • Increased East/West tensions after WW2 • Truman Doctrine and Marshall Plan • Berlin Blockade & Airlift <p>Interpretations of the Cold War:</p> <ul style="list-style-type: none"> • Traditional • Revisionist • Post-Revisionist • Russian and Western • Reinterpretations <p>Interwar Europe:</p> <ul style="list-style-type: none"> • Mussolini's Italy • Stalin's Russia | <p>Interwar Europe:</p> <ul style="list-style-type: none"> • Hitler's Germany • Interwar Britain <p>Revision:</p> <ul style="list-style-type: none"> • Review • Past Papers | <p>Revision:</p> <ul style="list-style-type: none"> • Review • Past Papers |
| Assessment | A2 Paper 3 and 4 Exam Style Questions | A2 Paper 3 and 4 Exam Style Questions | A2 Paper 3 and 4 Exam Style Questions |

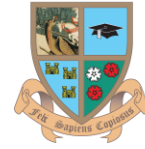


Curriculum Plan – 2024-25

Subject: Further Mathematics
Exam Board: Edexcel/Pearson

Year: 13
Syllabus Code:

| | Term 1 | Term 2 | Term 3 |
|------------|---|---|--|
| Content | <ul style="list-style-type: none">• Statistics 2• Statistics 3 | <ul style="list-style-type: none">• Statistics 3• Further Pure 3 | <ul style="list-style-type: none">• Further Pure 3 |
| Assessment | End of topic assessments and external examination (S2) | End of topic assessments and Mock examination | S3 and FP3 – external examinations |



Curriculum Plan – 2024-25

Subject: A Level Chinese
Exam Board: Edexcel

Year: 13
Syllabus Code: 9CN0

| | Term 1 | Term 2 | Term 3 |
|------------|--|--|------------------------------------|
| Content | <p>文学作品：故乡</p> <p>主题三：演变中的华人社会</p> <ul style="list-style-type: none"> - 互联网 - 社交媒体 - 经济发展 - 环境保护 | <p>主题四：改革开放对中国的影响</p> <ul style="list-style-type: none"> - 贫富差距 - 超级大都市 - 城市移民 <p>主题四：中英关系</p> <ul style="list-style-type: none"> - 贸易 - 文化交流 - 教育交流 | <p>笔试部分复习备考</p> <p>口语考试复习备考</p> |
| Assessment | 第一次模拟考试 | 第二次模拟考试 | A Level 口语考试（四月） A Level 笔试（六月） |