

CHIJ St. Nicholas Girls School

2018 Secondary 4 IP EOY Examination Format and Topics

| Subject | Topics | Format of Paper |
|--|---|--|
| English Language | <p>Paper 1 Creative Writing (40m) Choice of 6 questions:</p> <ul style="list-style-type: none"> • 5 x Argumentative/Expository/Discursive question • 1 x Personal Reflective question <p>Paper 2</p> <ul style="list-style-type: none"> • Comprehension (20m) • Summary (15m) | <p>Paper 1 (1h 30mins) — 40m Paper 2 (1h 30mins) — 35m</p> |
| English Literature | <ul style="list-style-type: none"> • Julius Caesar Essay • Joy Luck Club Essay • Unseen prose Essay | <p>2 hours 40 mins (75 marks) Answer all 3 essay questions (25 marks each)</p> |
| Higher Chinese (O-Level Preliminary Examination on 24 Aug) | <p><u>Paper 1</u></p> <p>1) Functional Writing (实用文)</p> <ul style="list-style-type: none"> · Personal Email/Formal Email/Forum Discussion (私人电邮/公务电邮/网上论坛) <p>2) Essay</p> <ul style="list-style-type: none"> · Situational Narrative Essay [记叙文 (情境作文)] · Argumentative Essay [议论文] · Source-based Argumentative Essay [材料议论文] <p><u>Paper 2</u></p> <p>1a) Cloze Passage (短文填充) 1b) Editing (病句改正)</p> <p>2) Comprehension (阅读理解)</p> <p>3) Summary (片段缩写)</p> | <p><u>Paper 1 (80m) 2 hr</u></p> <ul style="list-style-type: none"> • Functional Writing (实用文) (20m)(choose 1 of 2 qns) • Essay (作文) (60m) (choose 1 of 3 qns) <p><u>Paper 2 (80m) 1hr 45 mins</u></p> <p>1a) Cloze Passage (短文填充) (10m) 1b) Editing (病句改正) (10m)</p> <p>2) Comprehension I (阅读理解一) (10m) 3) Comprehension II (阅读理解二A组、B组) (38m) 4) Summary (片段缩写) (12m)</p> |
| Mathematics | <p><u>TYS Unit 1: Numbers and Algebra</u></p> <p>1.1 Numbers and their Operations 1.2 Ratio and Proportion 1.3 Percentage 1.4 Rates and Speed</p> | <p>Paper 1 (80m) 2h Paper 2 (100m) 2.5 h</p> |

| | | |
|---------------|--|--|
| | <p>1.5 Algebraic Expression and Formulae 1.6 Functions and Graphs 1.7 Equations and Inequalities 1.8 Set Language and Notation 1.9 Matrices 1.10 Problem in Real-World Contexts</p> <p><u>TYS Unit 2: Geometry & Measurement</u> 2.1 Angles, Triangles and Polygons 2.2 Congruence and Similarity 2.3 Properties of Circles 2.4 Pythagoras' Theorem & Trigonometry 2.5 Mensuration 2.6 Coordinate Geometry 2.7 Vectors in Two Dimensions 2.8 Problem in Real-World Contexts</p> <p><u>TYS Unit 3: Statistics & Probability</u> 3.1 Data Analysis 3.2 Probability</p> | |
| A Mathematics | <p>1. Simultaneous Equations, Polynomials & Partial Fractions 2. Quadratic Equations, Inequalities and Modulus Functions 3. Binomial Theorem 4. Indices, Surds and Logarithms 5. Coordinate Geometry 6. Further Coordinate Geometry 7. Linear Law 8. Trigonometric Functions and Equations 9. Trigonometric Identities and Formulae 10. Proofs in Plane Geometry 11. Differentiation & Its Applications 12. Further Applications of Differentiation 13. Differentiation of Trigonometric, Logarithmic and Exponential Functions and Their Applications 14. Integration 15. Applications of Integration 16. Kinematics</p> | <p>Paper 1 (80m) 2h Paper 2 (100m) 2.5 h</p> |

| | | |
|-----------|---|---|
| Chemistry | <p>Kinetic Particle Theory</p> <p>Element, compound and mixture</p> <p>Atomic Structure</p> <p>Bonding and structure</p> <p>Periodic Table</p> <p>Redox</p> <p>Mole concept</p> <p>Acid, Base and Salt</p> <p>Qualitative Analysis</p> <p>Metals</p> <p>Electrolysis and Simple cell</p> <p>Rate of reaction</p> <p>Energy change</p> <p>Organic Chemistry</p> <p>Ammonia</p> <p>Air and Atmosphere</p> <p>Separation technique</p> | <p><u>Paper 1 [40 marks]</u> 40 MCQ 1 hr</p> <p><u>Paper 2 [80 marks]</u> 1hr 45min Structured questions - 50m Essay questions - 30m - 1 DBQ - Last question: choice of Either/Or</p> |
| Biology | <p>Cells</p> <p>Movement of substances</p> <p>Nutrients</p> <p>Enzymes</p> <p>Nutrition in humans</p> <p>Respiration</p> <p>Excretion</p> <p>Homeostasis</p> <p>Nutrition in plants</p> <p>Transport in plants</p> <p>Transport in Humans</p> <p>Reproduction in humans</p> <p>Reproduction in plants</p> <p>Nervous system</p> <p>Eye</p> <p>Hormones</p> <p>Molecular genetics</p> <p>Inheritance</p> <p>Cell division</p> | <p><u>Paper 1 [40 marks]</u> 40 MCQ 1 hr</p> <p><u>Paper 2 [80 marks]</u> 1 hr 45 min Structured questions - 50m Essay questions - 30m - 1 DBQ - Last question: choice of Either/Or</p> |

| | | |
|-----------|---|---|
| | Ecology + impact on ecosystem | |
| Physics | <ol style="list-style-type: none"> 1. Measurement 2. Kinematics (exclude projectile motion) 3. Forces/Dynamics (exclude resolving of forces) 4. Mass, Weight and Density 5. Turning Effect of Forces 6. Energy, Work and Power 7. Pressure 8. Temperature 9. Kinetic Model of Matter 10. Transfer of Thermal Energy 11. Thermal Properties of Matter 12. Light 13. Waves 14. Electromagnetic Waves 15. Sound 16. Static Electricity 17. Current of Electricity 18. D.C. Circuits 19. Practical Electricity 20. Magnetism 21. Electromagnetism 22. Electromagnetic Induction | <p>Paper 1 [40 marks] 40 MCQ 1 hr</p> <p>Paper 2 [80 marks] Structured questions - 50m Essay questions - 30m - 1 DBQ - Last question: choice of Either/Or 1 hr 45 min</p> |
| Geography | <p>Geographical Investigation (Coasts and Tourism)</p> <p>Geography of Food Health and Diseases Weather and Climate</p> | <p>Paper 1 (55 minutes) Geographical skills and investigations</p> <p>Paper 2 (1h 30 minutes) Structured questions (Answer 2 questions out of 3)</p> |
| History | <p>History Unit 3: Cold War and The Bipolar World Unit 4: Decolonisation in Southeast Asia</p> | <p>1 paper (1hr 40mins)</p> <p>Section A: Source based case study Section B: Structured Essay Question</p> |
| Art | <p>Paper 1 (Theme-based Preparatory studies & Drawing & Painting Paper) Paper 2 Study of Visual Art</p> | <p>Paper 1:Coursework - 60% Paper 2:SOVA - 40%</p> <p>Duration: 2 hours</p> |