

Junyuan Secondary School
2022 End of Year Exam Topics

Subject: English Language

Level/Stream	EOY Topics
1E	<ul style="list-style-type: none">● Paper 1: Editing, Situational Writing and Continuous Writing● Paper 2: Texts 1, 2, 3 and 4● Paper 3: LC● Paper 4: Oral
1NA	<ul style="list-style-type: none">● Paper 1: Editing, Situational Writing and Continuous Writing● Paper 2: Texts 1, 2, 3 and 4● Paper 3: LC● Paper 4: Oral
1NT	<ul style="list-style-type: none">● Paper 1: Editing, Situational Writing and Continuous Writing● Paper 2: Texts 1, 2, 3 and 4● Paper 3: LC● Paper 4: Oral
2E	<ul style="list-style-type: none">● Paper 1: Editing, Situational Writing and Continuous Writing● Paper 2: Texts 1, 2, 3 and 4● Paper 3: LC● Paper 4: Oral
2NA	<ul style="list-style-type: none">● Paper 1: Editing, Situational Writing and Continuous Writing● Paper 2: Texts 1, 2, 3 and 4● Paper 3: LC● Paper 4: Oral
2NT	<ul style="list-style-type: none">● Paper 1: Editing, Situational Writing and Continuous Writing● Paper 2: Texts 1, 2, 3 and 4● Paper 3: LC● Paper 4: Oral
3E	<ul style="list-style-type: none">● Paper 1: Editing, Situational Writing and Continuous Writing● Paper 2: Texts 1, 2, 3 and 4● Paper 3: LC● Paper 4: Oral

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3NA	<ul style="list-style-type: none">• Paper 1: Editing, Situational Writing and Continuous Writing• Paper 2: Texts 1, 2, 3 and 4• Paper 3: LC• Paper 4: Oral
3NT	<ul style="list-style-type: none">• Paper 1: Editing, Situational Writing and Continuous Writing• Paper 2: Texts 1, 2, 3 and 4• Paper 3: LC• Paper 4: Oral

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Subject: English Literature

Level/Stream	EOY Topics
1E	<p>Poetry: Literary devices (similes, metaphors, personification, symbolism); Feelings & impression; tone</p> <p>Set Text (<i>Little Ironies</i>): extract-based qn – character, theme, setting, symbols, conflict and irony.</p>
1NA	<p>Poetry: Literary devices (similes, metaphors, personification, symbols). Feelings and impressions including tone.</p> <p>Set Text (<i>Little Ironies</i>): Extract-based questions – characterisation, themes, setting, symbols, conflict and irony</p>
2E	<p>Poetry: Literary devices (similes, metaphors, personification, symbolism); Personal Response (Feelings & Impression); Tone</p> <p>Set Text (<i>Something Old, Something New, Something Borrowed</i>): Extract-based questions – Characterization, Theme & Conflict</p>
2NA	<p>Poetry: Literary devices (similes, metaphors, personification, symbolism); Personal Response (Feelings & Impression)</p> <p>Set Text (<i>Something Old, Something New, Something Borrowed</i>): Extract-based questions – Characterization, Conflict, Personal Response (Feelings & Impression)</p>
3E	<p>Unseen Poetry: 1 Singaporean poem, 1 International poem - personal response, literary devices, theme.</p> <p>Set Text (<i>Fahrenheit 451</i>): Symbolism, Characterisation, Tension and Suspense.</p> <p>Set Text (<i>Macbeth</i>): Characterisation, Symbolism, Dramatic Tension.</p>

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Subject: Chinese Language

Level/Stream	EOY Component
1E	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Email Response Writing• Narrative Essay Writing <p><u>Paper 2</u></p> <ul style="list-style-type: none">• Grammar & Language Use• Comprehension A (MCQ) - Skills-based• Comprehension B (Open-ended) - Skills-based <p><u>Paper 3</u></p> <ul style="list-style-type: none">• Listening Comprehension(Completed before SA2)• Oral Assessment (Reading Aloud & Video Conversation)
1NA	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Email Response/ Postcard Writing• Narrative Essay Writing <p><u>Paper 2</u></p> <ul style="list-style-type: none">• Grammar & Language Use• Comprehension A (MCQ) - Skills-based• Comprehension B (Open-ended) - Skills-based <p><u>Paper 3</u></p> <ul style="list-style-type: none">• Listening Comprehension(Completed before SA2)• Oral Assessment (Reading Aloud & Video Conversation)
1NT	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Complete the Dialogue in Passage Form (With helping words)• Comprehension Texts (Analysis the Information) <p><u>Paper 2</u></p>

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	<ul style="list-style-type: none"> • Listening Comprehension(Completed before SA2) • Oral Assessment (Reading Aloud & Video Conversation)
2E	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Email Response Writing • Narrative Essay Writing <p><u>Paper 2</u></p> <ul style="list-style-type: none"> • Grammar & Language Use • Cloze Passage • Comprehension A (MCQ) • Comprehension B (Open-ended) <p><u>Paper 3</u></p> <ul style="list-style-type: none"> • Listening Comprehension(Completed before SA2) • Oral Assessment (Reading Aloud & Video Conversation)
2NA	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Email Response Writing • Narrative Essay Writing <p><u>Paper 2</u></p> <ul style="list-style-type: none"> • Grammar & Language Use • Comprehension A (MCQ) - Skills-based • Comprehension B (Open-ended) - Skills-based <p><u>Paper 3</u></p> <ul style="list-style-type: none"> • Listening Comprehension(Completed before SA2) • Oral Assessment (Reading Aloud & Video Conversation)
2NT	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Grammar & Language Use • Comprehension Texts (Analysis the Information)

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	<p><u>Paper 2</u></p> <ul style="list-style-type: none"> • Listening Comprehension(Completed before SA2) • Oral Assessment (Reading Aloud & Video Conversation)
3E	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Email Response Writing • Narrative & Discursive Essay Writing <p><u>Paper 2</u></p> <ul style="list-style-type: none"> • Cloze Passage • Comprehension A (MCQ) - Skills-based • Comprehension B (Open-ended) - Skills-based <p><u>Paper 3</u></p> <ul style="list-style-type: none"> • Listening Comprehension(Completed before SA2) • Oral Assessment (Reading Aloud & Video Conversation)
3NA	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Email Response Writing • Narrative & Discursive Essay Writing <p><u>Paper 2</u></p> <ul style="list-style-type: none"> • Cloze Passage • Comprehension A (MCQ) - Skills-based • Comprehension B (Open-ended) - Skills-based <p><u>Paper 3</u></p> <ul style="list-style-type: none"> • Listening Comprehension(Completed before SA2) • Oral Assessment (Reading Aloud & Video Conversation)
3NT	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Complete the Dialogue in Passage Form (With helping words) • Comprehension Texts (Analysis the Information)

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	<p><u>Paper 2</u></p> <ul style="list-style-type: none">• Listening Comprehension(Completed before SA2)• Oral Assessment (Reading Aloud & Video Conversation)
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Subject: Malay Language

Level/Stream	EOY Topics
1E	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Situational Writing• Narrative/Descriptive Writing <p>Duration: 1 hour 30 Mins Marks: 20</p> <p><u>Paper 2</u></p> <ul style="list-style-type: none">• Grammar (Fill in the Blanks)• Comprehension A (MCQ)• Comprehension B (Open-ended) <p>Duration: 1 hour 30 Mins Marks: 35</p> <p><u>Paper 3</u></p> <ul style="list-style-type: none">• Oral (Reading Aloud and Video Conversation)• Listening Comprehension (completed before EOY)
1NA	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Situational Writing• Narrative/Descriptive Writing <p>Duration: 1 hour 30 Mins Marks: 15</p> <p><u>Paper 2</u></p> <ul style="list-style-type: none">• Grammar (Fill in the Blanks with helping words)• Comprehension A (MCQ)• Comprehension B (Open-ended) <p>Duration: 1 hour 30 Mins Marks: 30</p> <p><u>Paper 3</u></p> <ul style="list-style-type: none">• Oral (Reading Aloud and Video Conversation)• Listening Comprehension (completed before EOY)
1NT	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Grammar (MCQ)• Comprehension (MCQ/OE) <p>Duration: 50 Mins Marks: 35</p>

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	<p><u>Paper 2</u></p> <ul style="list-style-type: none"> • Oral (Reading Aloud and Video Conversation) • Listening Comprehension (completed before EOY)
2E	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Situational Writing • Essay Writing (Narrative, Descriptive, Expository) <p>Duration: 1 hour 30 Mins Marks: 20</p> <p><u>Paper 2</u></p> <ul style="list-style-type: none"> • Grammar (Fill in the Blanks) • Comprehension A (MCQ) • Comprehension B (Open-ended) <p>Duration: 1 hour 30 Mins Marks: 35</p> <p><u>Paper 3</u></p> <ul style="list-style-type: none"> • Oral (Reading Aloud and Video Conversation) • Listening Comprehension (completed before EOY)
2NA	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Situational Writing • Essay Writing (Narrative, Descriptive, Expository) <p>Duration: 1 hour 30 Mins Marks: 15</p> <p><u>Paper 2</u></p> <ul style="list-style-type: none"> • Grammar (Fill in the Blanks with helping words) • Comprehension A (MCQ) • Comprehension B (Open-ended) <p>Duration: 1 hour 30 Mins Marks: 30</p> <p><u>Paper 3</u></p> <ul style="list-style-type: none"> • Oral (Reading Aloud and Video Conversation) • Listening Comprehension (completed before EOY)
2NT	<p><u>Paper 1</u></p> <ul style="list-style-type: none"> • Grammar • Comprehension (MCQ/OE) <p>Duration: 50 Mins Marks: 35</p>

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	<p><u>Paper 2</u></p> <ul style="list-style-type: none">• Oral (Reading Aloud and Video Conversation)• Listening Comprehension (completed before EOY)
3E	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Informal/Formal Email Writing• Essay Writing <p>Duration: 1 hour 30 Mins Marks: 60</p> <p><u>Paper 2</u></p> <ul style="list-style-type: none">• Prefixes/Suffixes• Idioms• Cloze Passage• Comprehension (Objective) - MCQ• Comprehension (Narrative) - Open Ended <p>Duration: 1 hour 30 Mins Marks: 70</p> <p><u>Paper 3</u></p> <ul style="list-style-type: none">• Oral (Reading Aloud and Video Conversation)• Listening Comprehension (completed before EOY)
3NA	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Informal/Formal Email Writing• Essay Writing <p>Duration: 1 hour 30 Mins Marks: 60</p> <p><u>Paper 2</u></p> <ul style="list-style-type: none">• Prefixes/Suffixes• Idioms• Cloze Passage• Comprehension (Objective) - MCQ• Comprehension (Narrative) - Open Ended <p>Duration: 1 hour 30 Mins Marks: 60</p> <p><u>Paper 3</u></p> <ul style="list-style-type: none">• Oral (Reading Aloud and Video Conversation)• Listening Comprehension (completed before EOY)

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3NA (MLB)	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Informal Email Writing <u>OR</u> Picture Composition Writing <p>Duration: 50 Mins Marks: 20</p> <p><u>Paper 2</u></p> <ul style="list-style-type: none">• Grammar• Comprehension (Objective) - MCQ• Comprehension (Narrative) - MCQ <p>Duration: 1 hour Marks: 30</p> <p><u>Paper 3</u></p> <ul style="list-style-type: none">• Oral (Reading Aloud and Video Conversation)• Listening Comprehension (completed before EOY)
3NT	<p><u>Paper 1</u></p> <ul style="list-style-type: none">• Grammar• Comprehension (MCQ/OE) <p>Duration: 50 Mins Marks: 30</p> <p><u>Paper 2</u></p> <ul style="list-style-type: none">• Oral (Reading Aloud and Video Conversation)• Listening Comprehension (completed before EOY)

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Subject: Malay Literature

Level/Stream	EOY Topics
3E	<p><u>Section A: Prose/Poem in <i>Pahlawan Panggung</i> Book (25 Marks)</u></p> <p>Prose</p> <ol style="list-style-type: none">1. Sambal Goreng Mak2. Pahlawan Panggung3. Dr. Remaja PhD4. Orkidnya Sudah Menjadi <p>Poem</p> <ol style="list-style-type: none">1. Anakku2. Tidak Senang Dengan Duduk-Duduk3. Kepada Pohon Tak Bernama <p><u>Section B: Unseen Prose/Poem (25 Marks)</u></p> <p>i) Poem ii) Prose</p> <p>Students to choose <u>ONE</u> question</p> <p>Duration: 1 hour 30 Mins Marks: 50</p>

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Subject: History

Level/Stream	EOY Topics
1E	<p>Time: 1h 10mins Marks: 35</p> <p>Section A - Source Based Question [15m] Students to answer 2 inference questions and 1 comparison question on: What was the impact of the Great Depression on the people of Singapore?</p> <p>Section B - Structured-essay Question [20m] Students to answer 2 out of 3 questions on:</p> <ul style="list-style-type: none">- Early Singapore trading networks from 1299 to early 1800s.- Singapore's establishment as a British Trading Post in the early 1800s.- Singapore's development as a port city from 1819 to 1942.
1NA	<p>Time: 1h 10mins Marks: 35</p> <p>Section A - Source Based Question [15m] Students to answer 2 inference questions and 1 comparison question on: What were some causes of crime in 19th century Singapore?</p> <p>Section B - Structured-essay Question [20m] Students to answer 2 out of 3 questions on:</p> <ul style="list-style-type: none">- Early Singapore trading networks from 1299 to early 1800s.- Singapore's establishment as a British Trading Post in the early 1800s.- Singapore's development as a port city from 1819 to 1942.
2E	<p>Time: 1h 15mins Marks: 35</p>

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	<p>Section A - Source Based Question [15m]</p> <p>Students are to answer 1 inference question, 1 message question and 1 comparison question on : What Did the People in Singapore Experience During the Japanese Occupation?</p> <p>Section B - Structured Question [20m]</p> <p>Students to answer 2 out of 3 questions on:</p> <ul style="list-style-type: none"> - Merger and Separation of Singapore and Malaysia. - How Singapore safeguarded its independence after 1965. - Singapore's transformation in the years after independence.
2NA	<p>Time: 1h 15mins Marks: 35</p> <p>Section A - Source Based Question [15m]</p> <p>Students are to answer 2 inference questions and 1 comparison question on: What Did the People in Singapore Experience During the Japanese Occupation?</p> <p>Section B - Structured Question [20m]</p> <p>Students to answer 2 out of 3 questions on:</p> <ul style="list-style-type: none"> - Merger and Separation of Singapore and Malaysia. - How Singapore safeguarded its independence after 1965. - Singapore's transformation in the years after independence.
3E Elective History	<p>Time : 1h 40 mins Marks : 50</p> <p>Section A - Source Based Question [30m] Students to answer 5 Source-Based Questions</p> <ul style="list-style-type: none"> • Topic - Stalin's Soviet Union • Skills tested : <ul style="list-style-type: none"> (a) Inference (b) Purpose (c) Comparison (d) Reliability (e) Evaluation

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	<p>Section B - Structured Essay Question [20m] Students to answer 1 out of 2 questions</p> <ul style="list-style-type: none"> • Topic - The Impact of World War I in Europe • Topic - Hitler's Germany
3E Pure History	<p>Time : 1h 40 mins Marks : 50</p> <p>Section A - Source Based Question [30m] Students to answer 5 Source-Based Questions</p> <ul style="list-style-type: none"> • Topic - Hitler's Germany <ul style="list-style-type: none"> • Skills tested : <ul style="list-style-type: none"> (a) Inference (b) Comparison (c) Surprise (d) Purpose (e) Evaluation <p>Section B - Structured Essay Question [20m] Students to answer 1 out of 2 questions</p> <ul style="list-style-type: none"> • Topic - British Intervention in Malaya • Topic - Stalin's USSR
3NA Elective History	<p>Time : 1h 40 mins Marks : 50</p> <p>Section A - Source Based Question [30m] Students to answer 5 Source-Based Questions</p> <ul style="list-style-type: none"> • Topic - Stalin's Soviet Union • Skills tested : <ul style="list-style-type: none"> (a) Inference (b) Purpose (c) Comparison (d) Reliability (e) Evaluation <p>Section B - Structured Essay Question [20m] Students to answer 1 out of 2 questions</p> <ul style="list-style-type: none"> • Topic - The Impact of World War I in Europe • Topic - Hitler's Germany

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Subject: Geography

Level/Stream	EOY Topics
1E	<p><u>Time: 1H 15 min</u> <u>Marks: 36 marks</u></p> <p>Section A (Structured Questions) 18 marks</p> <ul style="list-style-type: none">- What is the hydrological cycle?- How does water support river ecosystems?- How do people use water?- How do human actions lead to water pollution and its associated impacts?- How can water be managed sustainably? <p>Section B (Structured Questions) 18 marks</p> <ul style="list-style-type: none">- What are tropical rainforests and mangroves and where are they found?- What are the characteristics of tropical rainforests and mangroves?- How have plants in tropical rainforests and mangroves adapted to their environment?- What are the environmental functions of tropical forests?- How are tropical forests used by people?- What are the consequences of extracting resources from tropical forests?- How can tropical forests be managed sustainably? <p>Other skills:</p> <ul style="list-style-type: none">- Describing distribution- Describing data/graphs

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1N(A)	<p><u>Time: 1H 15 min</u> <u>Marks: 36 marks</u></p> <p>Section A (Structured Questions) 18 marks</p> <ul style="list-style-type: none">- What is the hydrological cycle?- How does water support river ecosystems?- How do people use water?- How do human actions lead to water pollution and its associated impacts?- How can water be managed sustainably? <p>Section B (Structured Questions) 18 marks</p> <ul style="list-style-type: none">- What are tropical rainforests and mangroves and where are they found?- What are the characteristics of tropical rainforests and mangroves?- What are the environmental functions of tropical forests?- How are tropical forests used by people?- What are the consequences of extracting resources from tropical forests?- How can tropical forests be managed sustainably? <p>Other skills:</p> <ul style="list-style-type: none">- Describing distribution- Describing data/graphs
2E	<p><u>Time: 1 hour 15 min</u> <u>36 marks</u></p> <p>Section A (Structured Questions + Basic Map Reading) 18 marks:</p> <ul style="list-style-type: none">- What are Cities?- How do Cities Impact the environment and the people living in them as they continue to grow?- How can people sustainably build cities?- What are the different types of housing and where are they found in cities?- Why are different types of housing located where they are in cities?- What is the relationship between housing and the environment and people?- How can these relationships be sustainably managed? <p>Section B (Structured Questions + Basic Map Reading) 18 marks: Transport Systems:</p>

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	<ul style="list-style-type: none"> - What are transport systems and where are they found in cities? - Why are transport systems located in cities? - What relationships do transport systems in cities have with the environment and people? - How can these relationships be sustainably managed?
2NA	<p><u>Time: 1 hour 15 min</u> <u>36 marks</u></p> <p>Section A (Structured Questions + Basic Map Reading) 18 marks:</p> <ul style="list-style-type: none"> - What are Cities? - How do Cities Impact the environment and the people living in them as they continue to grow? - How can people sustainably build cities? - What are the different types of housing and where are they found in cities? - Why are different types of housing located where they are in cities? - What is the relationship between housing and the environment and people? - How can these relationships be sustainably managed? <p>Section B (Structured Questions + Basic Map Reading) 18 marks:</p> <p>Transport Systems:</p> <ul style="list-style-type: none"> - What are transport systems and where are they found in cities? - Why are transport systems located in cities? - What relationships do transport systems in cities have with the environment and people? - How can these relationships be sustainably managed?
3E (Pure Geo)	Time: 1H 40min

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	<p>Marks: 50 marks</p> <p>Section A (25m): One structured question on Geographical Investigations will be set based on the following topics:</p> <ul style="list-style-type: none"> • Coasts <p>Section B (25m) - Structured and Open-Ended Questions Two structured questions will be set based on the following topics:</p> <ul style="list-style-type: none"> • Living with Tectonic Hazards • Variable Weather and Changing Climate <p>One question will be set on a specific topic. One other question will be set on a combination of topics. Each question carries 25 marks.</p> <p>Students must answer only one question from this section.</p>
3E (Elect Geo)	<p>Time: 1H 40min Marks: 50 marks</p> <p>Section A (13m) Geographical Investigation and Skills</p> <ul style="list-style-type: none"> • Chapter 2 Gateway 1: Why do different places experience different weather and climate? • Chapter 3 Gateway 2 and 3: Geographical Skills and Investigation <p>Section B (12m) - Structured and Open-ended Questions Topic: Variable Weather and Changing Climate – A Continuing Challenge?</p> <ul style="list-style-type: none"> • Chapter 2 Gateway 1: Why do different places experience different weather and climate? • Chapter 2 Gateway 2: What is happening to the earth's climate? <p>Section C (25m) - Structured and Open-ended Questions Topic: Living with Tectonic Hazards</p> <ul style="list-style-type: none"> • Chapter 1 Gateway 1: What are some areas more prone to tectonic hazards? • Chapter 1 Gateway 2: What landforms and associated tectonic phenomena are found at plate boundaries? • Chapter 1 Gateway 3: How do people prepare for and respond to earthquakes?
3NA (Elect Geo)	<p>Time: 1H 40min Marks: 50 marks</p> <p>Section A (13m)</p>

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	<p>Geographical Investigation and Skills</p> <ul style="list-style-type: none">• Chapter 2 Gateway 1: Why do different places experience different weather and climate?• Chapter 3 Gateway 2 and 3: Geographical Skills and Investigation <p>Section B (12m) - Structured and Open-ended Questions</p> <p>Topic: Variable Weather and Changing Climate – A Continuing Challenge?</p> <ul style="list-style-type: none">• Chapter 2 Gateway 1: Why do different places experience different weather and climate?• Chapter 2 Gateway 2: What is happening to the earth’s climate? <p>Section C (25m) - Structured and Open-ended Questions</p> <p>Topic: Living with Tectonic Hazards</p> <ul style="list-style-type: none">• Chapter 1 Gateway 1: What are some areas more prone to tectonic hazards?• Chapter 1 Gateway 2: What landforms and associated tectonic phenomena are found at plate boundaries?
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Junyuan Secondary School
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Subject: Social Studies

Level/Stream	EOY Topics
3E	<p>Time: 1 hour 45 minutes</p> <p><u>Section A: SBQ [35 marks]</u></p> <ol style="list-style-type: none">1. Message [5m]2. Purpose [6m]3. Comparison [7m]4. Reliability [7m]5. Evaluation Skill [10 marks] <p><u>Section B: SRQ [15 marks]</u></p> <ol style="list-style-type: none">6. Explaining 2 strategies with reference to the issue7. Weighing two given factors with reference to the issue <p><i>Students to revise:</i> <i>Issue 1 Chapter 2 Textbook pages 57 – 65</i> <i>Issue 1 Chapter 3 Textbook pages 69 – 97</i> <i>Students may also refer to graphic organisers provided by teacher in class or on Google Classroom.</i></p>
3NA	<p>Time: 1 hour 45 minutes</p> <p><u>Section A: SBQ [35 marks]</u></p> <ol style="list-style-type: none">1. Inference [5m]2. Purpose [6m]3. Comparison [7m]4. Reliability [7m]5. Evaluation Skill [10 marks] <p><u>Section B: SRQ [15 marks]</u></p> <ol style="list-style-type: none">6. Explaining 1 strategy with reference to the issue7. Explaining two given factors with reference to the issue <p><i>Students to revise Issue 1 Chapter 3 from Textbook pages 68 - 97 and refer to graphic organisers provided by teacher in class or on Google</i></p>

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	<i>Classroom.</i>
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Subject: Mathematics

Level/Stream	SA2 Topics
1E	<ul style="list-style-type: none">1) Factors and Multiples2) Real Numbers3) Approximation and Estimation4) Basic Algebra and Algebraic Manipulation5) Simple Equations in One Variable6) Angles and Parallel Lines7) Triangles, Quadrilaterals and Other Polygons8) Ratio, Rate and Speed9) Percentage10) Sequences and Number Patterns11) Linear Functions and Graphs12) Data Handling
1NA	<ul style="list-style-type: none">1) Factors and Multiples2) Real Numbers3) Approximation and Estimation4) Basic Algebra and Algebraic Manipulation5) Simple Equations in One Variable6) Angles, Parallel Lines and Triangles7) Ratio, Rate and Speed8) Percentage9) Sequences and Number Patterns10) Perimeter and Area of Plane Figures (<i>Parallelograms & Trapeziums only</i>)11) Data Handling
1NT	<ul style="list-style-type: none">1) Numbers2) The Four Operations of Integer3) Ratio4) Percentage5) Algebra6) Angles7) Statistics8) Symmetry9) Area and Perimeter10) Surface Area and Volume

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2E	<p><u>Sec 2 Topics</u></p> <ol style="list-style-type: none"> 1) Linear Inequalities 2) Linear Equations in Two Variables 3) Expansion and Factorisation of Algebraic Expressions 4) Algebraic Fractions and Formulae 5) Quadratic Functions, Graphs and Equations 6) Proportion 7) Congruence and Similarity 8) Pythagoras's Theorem 9) Trigonometric Ratios 10) Volume and Surface Area of Pyramids, Cones and Spheres <p>Note: Some questions may involve concepts related to ratio, percentage and angles (e.g. alternate, corresponding and interior angles etc.) which the students have encountered while learning the topics listed above.</p>
2NA	<p><u>Sec 2 Topics</u></p> <ol style="list-style-type: none"> 1) Linear Expression, and Simple Inequality 2) Linear Functions and Graphs 3) Linear Equations in Two Variables - Simultaneous Linear Equations 4) Expansion and Factorisation of Algebraic Expressions 5) Algebraic Fractions 6) Proportions - Direct and Inverse 7) Quadrilaterals and Other Polygons 8) Geometrical Construction of Triangles and Quadrilaterals 9) Congruence and Similarity 10) Pythagoras' Theorem 11) Volume and Surface Area of Pyramid, Cone and Sphere <p>Note: Some questions may involve concepts related to ratio, percentage and angles (e.g. alternate, corresponding and interior angles etc.) which the students have encountered while learning the topics listed above.</p>
2NT	<ol style="list-style-type: none"> 1) Integers and Their Four Operations 2) Approximations and Estimation 3) Percentage and Fraction 4) Rate and Speed 5) Evaluation of Algebraic Expressions and Formulae, and Translation of Simple Real-world Situations into Algebraic Expressions 6) Simplification of Linear Expressions

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	<ul style="list-style-type: none"> 7) Addition and Subtraction of Simple Algebraic Fractions 8) Graphs of Linear Functions 9) Solving Linear Equations in One Variable 10) Profit and Loss, Hire Purchase and Income tax 11) Simple Interest and Money Exchange 12) Angles, Triangles and Polygons 13) Congruence and Similarity 14) Pythagoras' Theorem 15) Geometrical Construction 16) Volume and Surface Area of Prism and Cylinders 17) Area and Perimeter of Plane Figures 18) Analysis and Interpretation of Statistical Diagrams 19) Probability 20) Mathematic in Real World Context
3E	<ul style="list-style-type: none"> 1) Numbers and their Operations (including HCF & LCM) 2) Ratio and Proportion 3) Percentage 4) Number Sequence 5) Rate and speed 6) Algebraic Expressions and Formulae (including Expansion/Factorisation) 7) Functions and Graphs (including Graphs in Practical Situations) 8) Equations and Inequalities 9) Angles, Triangles and Polygons 10) Indices and Standard Form 11) Congruence and Similarity (incl Ratio of Area and Volume) 12) Geometrical Construction 13) Pythagoras' Theorem and Trigonometry 14) Further Trigonometry and its Application 15) Bearing Problems 16) Coordinate Geometry 17) Mathematics in Practical Situations (Interest, Hire Purchase) 18) Problems in Real World Context
3NA	<ul style="list-style-type: none"> 1) Algebraic Manipulation 2) Quadratic Equations 3) Graphs of Quadratic Functions 4) Indices (including Standard Form & Compound Interest) 5) Congruence and Similarity 6) Coordinate Geometry 7) Trigonometric Ratios 8) Further Trigonometry

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3NT	<ol style="list-style-type: none">1) Indices and Standard Form, Compound Interest2) Map Scales3) Algebraic Expression, Fractions and Number Pattern4) Factorisation and Formulas5) Arc Length and Sector Area6) Volume and Surface Area of Cones, Pyramids and Spheres7) Cumulative Frequency8) Graphs of Linear Equations9) Integers and Four Operations10) Negative numbers and Primes, Squares, Cubes, Square Roots and Cube Roots11) Approximations and Estimation12) Ratio and Proportion13) Percentage, Fraction14) Evaluation of algebraic expressions and formulae and Translation of simple real-world situations into algebraic expressions15) Simplification of linear expressions16) Factorisation of linear expressions17) Coordinate Geometry18) Solving linear equations in one variable19) Household Finances (earnings, expenditures, budgeting, etc)20) Money Exchange21) Volume of Cuboid22) Probability

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Subject: Additional Mathematics

Level/Stream	EOY Topics
3E	<ul style="list-style-type: none"> • Quadratic Functions (Completing the Square) • Equations & Inequalities (including Simultaneous Equations) • Surds • Polynomials, Cubic Equations & Partial Fractions • Binomial Theorem & its Applications • Exponential & Logarithmic Functions • Coordinate Geometry (including Equation of Circles) • Linear Law
3NA	<ul style="list-style-type: none"> • Quadratic Functions • Equations and Inequalities • Surds • Polynomials and Partial Fractions • Coordinate Geometry • Circles • Trigonometric Functions • Trigonometric Identities and Formulae

Subject: Science

Level/Stream	EOY Topics
1E	<ul style="list-style-type: none"> • Chapter 1 - The Scientific Endeavour • Chapter 2 - Exploring Diversity of Matter by its Physical Properties • Chapter 3- Exploring Diversity of Matter by its Chemical Composition • Chapter 4 - Exploring Diversity of Matter Using Separation Techniques • Chapter 5 - Ray Model of Light • Chapter 6 - Model of Cells - The Basic Units of Life • Chapter 7 - Particulate Nature of Matter • Chapter 8 - Model of Matter, Atoms and Molecules
1NA	<ul style="list-style-type: none"> • Chapter 1 - The Scientific Endeavour • Chapter 2 - Exploring Diversity of Matter by its Physical Properties • Chapter 3- Exploring Diversity of Matter by its Chemical Composition • Chapter 4 - Exploring Diversity of Matter Using Separation Techniques • Chapter 5 - Ray Model of Light

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	<ul style="list-style-type: none"> • Chapter 6 - Model of Cells - The Basic Units of Life • Chapter 7 - Particulate Nature of Matter • Chapter 8 - Model of Matter, Atoms and Molecules
1NT	<ul style="list-style-type: none"> • Topic 1: Laboratory Measurements and procedures • Topic 6: Matter • Topic 7: Water Pollution • Topic 8: Air Pollution • Topic 9: Cells • Topic 12: Taking Good Care of My Body
2E	<ul style="list-style-type: none"> • Chapter 1 - The Scientific Endeavour • Chapter 2 - Exploring Diversity of Matter by its Physical Properties • Chapter 3- Exploring Diversity of Matter by its Chemical Composition • Chapter 4 - Exploring Diversity of Matter Using Separation Techniques • Chapter 5 - Ray Model of Light • Chapter 6 - Model of Cells - The Basic Units of Life • Chapter 7 - Particulate Nature of Matter • Chapter 8 - Model of Matter, Atoms and Molecules • Chapter 9 - Application of Forces and Transfer of Energy • Chapter 10 - Transfer of Heat Energy and its Effects • Chapter 11 - Chemical Changes • Chapter 12 - Interactions within Ecosystems • Chapter 13 - Electrical Systems • Chapter 14 - Human Digestive System • Chapter 15 - Transport Systems in Living Things • Chapter 16 - Human Sexual Reproductive System
2NA	<ul style="list-style-type: none"> • Chapter 1 - The Scientific Endeavour • Chapter 2 - Exploring Diversity of Matter by its Physical Properties • Chapter 3- Exploring Diversity of Matter by its Chemical Composition • Chapter 4 - Exploring Diversity of Matter Using Separation Techniques • Chapter 5 - Ray Model of Light • Chapter 6 - Model of Cells - The Basic Units of Life • Chapter 7 - Particulate Nature of Matter • Chapter 8 - Model of Matter, Atoms and Molecules • Chapter 9 - Application of Forces and Transfer of Energy • Chapter 10 - Transfer of Heat Energy and its Effects • Chapter 11 - Chemical Changes • Chapter 12 - Interactions within Ecosystems • Chapter 13 - Electrical Systems • Chapter 14 - Human Digestive System • Chapter 15 - Transport Systems in Living Things • Chapter 16 - Human Sexual Reproductive System

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2NT	<ul style="list-style-type: none"> Chapter 1 - Exploring Forces Chapter 2 - Discovering Energy Chapter 3 - Investigating Heat Chapter 4 - Investigating Electricity Chapter 10 - Getting Energy and Nutrients for Food Chapter 11- Human Reproduction 		
3E (Pure)	Chemistry <ul style="list-style-type: none"> Experimental Techniques Purification Techniques Kinetic Particle Theory Elements, Compounds, Mixtures Atomic Structure Chemical Bonding Formula & equation writing Periodic Table Acids and Bases Preparation of Salts Redox Reactions Chemical Calculations 	Physics <ul style="list-style-type: none"> Measurements Kinematics Forces Mass, Weight & Density Turning Effect of Forces Pressure Work, Energy & Power Kinetic Model of Matter Transfer of Thermal Energy Temperature Thermal Properties of Matter Waves Light (reflection & refraction) 	Biology <ul style="list-style-type: none"> Cells Movement in substances Nutrients Enzymes Nutrition in Humans Transport in Humans Respiration Nutrition in Plants Transport in Plants Reproduction in Plants
3E Combined Science	Science (Chemistry) <ul style="list-style-type: none"> Experimental Techniques Purification Techniques Kinetic Particle Theory Elements, Compounds, Mixtures Atomic Structure Chemical Bonding Formula and equation writing Periodic Table Acids and Bases 	Science (Physics) <ul style="list-style-type: none"> Measurements Kinematics Forces Mass, Weight & Density Turning Effect of Forces Pressure Work, Energy & Power Kinetic Model of Matter Transfer of Thermal Energy Thermal Properties of Matter Waves 	Science (Biology) <ul style="list-style-type: none"> Cells Movement in substances Nutrients Enzymes Nutrition in Humans Transport in Humans Respiration Nutrition in Plants Transport in Plants
3NA	Science (Chemistry)	Science (Physics)	Science (Biology)

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	<ul style="list-style-type: none"> • Experimental Techniques • Purification Techniques • Kinetic Particle Theory • Elements, Compounds, Mixtures • Atomic Structure • Chemical Bonding • Formulae and Equations • Periodic Table • Acids and Bases • Mole calculation 	<ul style="list-style-type: none"> • Measurements • Kinematics • Forces • Mass, Weight, Density • Turning Effects of Forces • Pressure • Work, Energy, Power • Kinetic Model of Matter • Transfer of Thermal Energy • Thermal Properties of Matter 	<ul style="list-style-type: none"> • Cells • Movement in substances • Nutrients • Enzymes • Nutrition in Humans • Transport in Humans • Respiration
3NT	<ul style="list-style-type: none"> • Chapter 1 - Energy and its Uses • Chapter 2 - Energy Transfer Through Waves • Chapter 3 - Effects of Forces • Chapter 4 - Electricity • Chapter 5 - Sources of Electricity • Chapter 6 - Sources of Food • Chapter 7 - Food Chemistry 		

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Subject: Principles of Accounts

Level/Stream	EOY Topics
3E	Chapter 1 Introduction to Accounting Chapter 2 Accounting Information System Chapter 3 Elements of the Financial Statements and the Accounting Equation Chapter 4 Double-entry Recording Chapter 5 Trial Balance & Financial Statements Chapter 8 Cash Chapter 9 Inventory Chapter 10 Trade Receivables Chapter 11 Non-current assets Chapter 12 Trade payables Chapter 17 Scenario Based Question: Which inventory to buy
3NA	Chapter 1 Introduction to Accounting → ME Pg 6: Objectivity theory and historical cost theory are not tested Chapter 2 Accounting Information System → ME Pg 10-11: Accounting cycle and source documents are not tested Chapter 3 Elements of the Financial Statements and the Accounting Equation Chapter 4 Double-entry Recording Chapter 5 Trial Balance & Financial Statements Chapter 9 Inventory Chapter 10 Trade Receivables Chapter 11 Non-current assets Chapter 12 Trade payables Note: Chapter 8 is not tested

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Subject: Art

Level/Stream	EOY Topics
3E	<ul style="list-style-type: none">● Art paper 2 (6123/02): 4 pieces of A3-sized preparatory studies<ul style="list-style-type: none">- primary research- observational studies- developmental studies- artist reference- background studies- layout studies● Final art piece to be created during the 3-hour art paper
3NA	<ul style="list-style-type: none">● Art paper 2 (6125/02): 4 pieces of A3-sized preparatory studies<ul style="list-style-type: none">- primary research- observational studies- developmental studies- artist reference- background studies- layout studies● Final art piece to be created during the 3-hour art paper

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Subject: Design & Technology

Level/Stream	EOY Topics
3E	<ul style="list-style-type: none">• Design• Structures• Mechanisms• Electronics
3NA	<ul style="list-style-type: none">• Design• Electronics• Mechanisms
3NT	<ul style="list-style-type: none">• Design• Mechanisms• Electronics

Subject: Computing

Level/Stream	EOY Topics
3E	<p><u>Paper 1 (Theory)</u></p> <ul style="list-style-type: none">• Computer Architecture (Chapter 1)• Problem Analysis (Chapter 2)• Algorithm Design (Chapter 3)• Program Development (Chapter 4) <p><u>Paper 2 (Practical)</u></p> <ul style="list-style-type: none">• Program Development (Chapter 4)

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Subject: Computer Applications

Level/Stream	EOY Topics
1NT	<p><u>Paper 1 (Theory)</u></p> <ul style="list-style-type: none">• Computer Fundamentals (CPF)• Media Elements (MEL)• Document Processing (DOP)• Spreadsheets (SST)• Interactive Multimedia Communication (IMC) <p><u>Paper 2 (Practical)</u></p> <ul style="list-style-type: none">• Media Elements (MEL)• Document Processing (DOP)• Interactive Multimedia Communication (IMC)
2NT	<p><u>Paper 1 (Theory)</u></p> <ul style="list-style-type: none">• Computer Fundamentals (CPF)• Media Elements (MEL)• Document Processing (DOP)• Spreadsheets (SST)• Interactive Multimedia Communication (IMC)• Animation and Game Making (AGM) <p><u>Paper 2 (Practical)</u></p> <ul style="list-style-type: none">• Media Elements - Video Editing (MEL)• Interactive Multimedia Communication (IMC)• Animation and Game Making (AGM)
3NT	<p><u>Paper 1 (Theory)</u></p> <ul style="list-style-type: none">• Computer Fundamentals (CPF)• Media Elements (MEL)• Document Processing (DOP)• Spreadsheets (SST)• Interactive Multimedia Communication (IMC)• Animation and Game Making (AGM) <p><u>Paper 2 (Practical)</u></p> <ul style="list-style-type: none">• Media Elements (MEL)• Document Processing (DOP)• Interactive Multimedia Communication (IMC) <p><u>Paper 3 (Practical)</u></p> <ul style="list-style-type: none">• Media Elements - Video Editing (MEL)• Spreadsheets (SST)• Animation and Game Making (AGM)

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Subject: Elements of Business Skills

Level/Stream	EOY Topics
3NT	<ul style="list-style-type: none">● Chapter 1: Introduction to Business● Chapter 2: Business in Selected Service Industries<ul style="list-style-type: none">○ The Retail Industry○ The Hospitality Industry○ The Travel and Tourism Industry● Chapter 3: Introduction to Marketing● Chapter 4: The Marketing Mix● Chapter 5: Communication With The Customer● Chapter 6: Customer Service

Subject: Nutrition & Food Science (NFS)

Level/Stream	EOY Topics
3E	<ul style="list-style-type: none">● Chap 1: Proteins● Chap 2: Carbohydrates● Chap 3: Fats● Chap 4: Vitamins● Chap 5: Minerals● Chap 6: Water and DF● Chap 7: Diet and Health Problems● Chap 8: Diet and Meal Planning● Chap 9: Meal Analysis● Chap 10: Sustainable Food Consumption● Chap 11: Preparation and Cooking of Food● Chap 12: Methods of Cooking● Chap 13: Reactions in Food during Preparation and Cooking
3NA	<ul style="list-style-type: none">● Chap 1: Proteins● Chap 2: Carbohydrates● Chap 3: Fats● Chap 4: Vitamins● Chap 5: Minerals● Chap 6: Water and DF● Chap 7: Diet and Health Problems● Chap 8: Diet and Meal Planning● Chap 9: Meal Analysis● Chap 10: Sustainable Food Consumption

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	<ul style="list-style-type: none">• Chap 11: Preparation and Cooking of Food• Chap 12: Methods of Cooking
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