

Bangkok Christian College English Immersion Program
Course Scope for Mathematics – Algebra 2 Mathayom 3
Semester 2/2025-2026 Teacher Douglas Dake

Week	Date	Contents	Comments/ Remarks
1	20-24 Oct	Introduction to Class, ALEKS Initial Knowledge Check	24 Oct - School Opens
2	27-31 Oct	Module 7: Exponential Functions 7-1 Graphing Exponential Functions 7-2 Solving Exponential Equations and Inequalities 7-3 Special Exponential Functions	
3	3 - 7 Nov	7-4 Geometric Sequences and Series 7-5 Modeling Data Module 7 Test	
4	10-14 Nov	Module 8: Logarithmic Functions 8-1 Logarithms and Logarithmic Functions 8-2 Properties of Logarithms 8-3 Common Logarithms	
5	17-21 Nov	8-4 Natural Logarithms 8-5 Using Exponential and Logarithmic Functions Module 8 Test	
6	24-28 Nov	Module 9: Rational Functions 9-1 Multiplying and Dividing Rational Expressions 9-2 Adding and Subtracting Rational Expressions 9-3 Graphing Reciprocal Expressions	
7	1-5 Dec	9-4 Graphing Rational Functions 9-5 Variation 9-6 Solving Rational Equations and Inequalities	5 Dec. - King's Birthday
8	8-12 Dec	Module 9 Test Module 10: Inferential Functions 10-1 Random Sampling	10 Dec. - Constitution Day
9	15-19 Dec	10-2 Using Statistical Experiments 10-3 Analyzing Population Data 10-4 Normal Distribution	
10	22-26 Dec	10-5 Estimating Population Parameters Module 10 Test	25-26 Dec- Christmas Holiday
11	29 Dec - 2 Jan	NO CLASSES	29 Dec – 2 Jan Christmas Holiday
12	5- 9 Jan	Module 11: Trigonometric Functions 11-1 Angles and Angle Measure 11-2 Trigonometric Functions of General Angles 11-3 Circular and Periodic Functions	
13	12-16 Jan	11-4 Graphing Sine and Cosine Functions 11-5 Graphing Other Trigonometric Functions	16 Jan – Teacher's Day
14	19-23 Jan	11-6 Translations of Trigonometric Graphs 11-7 Inverse Trigonometric Functions Module 11 Test	
15	26-30 Jan	Module 12: Trigonometric Identities and Equations 12-1 Trigonometric Identities 12-2 Verifying Trigonometric Identities 12-3 Sum and Difference Identities	
16	2-6 Feb	12-4 Double-Angle and Half-Angle Identities 12-5 Solving Trigonometric Equations Module 12 Test	
17	9-13 Feb	Final Exam Review	
18	16-20 Feb	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for Fundamental English Mathayom 3

Semester 2/2025-2026 Teacher Mark Hartman

Date	Contents	Comments/ Remarks
20 -24 October	Students read two different extracts about Christopher Columbus. They practice the skills of identifying key information, exploring viewpoint and vocabulary, and comparing information and intention.	
27 October – 31 October	Students read an article about the Shaanxi earthquake. They practice the skills of finding key points, responding to information, exploring and experimenting with structure, and structuring and information text.	
3 - 7 November	Students read an article about the Salt March led by Mohandas Gandhi. They practice the skills of identifying key points, adding details, experimenting with paragraphs and planning an information text.	
10 - 14 November	Students read an information sheet about Chinese invention. They practice the skills of noting intention, crafting for clarity, experimenting with sentences and writing an information text.	
17 - 21 November	Students read an information text about Shaka Zulu. They practice the skills of gathering and summarizing information, gathering information from two texts and writing a short information text.	
24 – 28 November	Students complete an assessment task in the form of planning, writing, reviewing and revising an information article on a topic of their choice.	Pearson Exams Week
1 – 5 December	Students read a short story. They practice the skills of understanding key ideas, identifying element and intentions, identifying structural elements, building up mystery and selecting ideas.	
8 – 12 December	Students read a short story about a boy who enjoys swimming in the sea. They practice the skills of gathering key points, exploring intention and response, including focused evidence, selectin focused evidence and writing a response.	
15 – 19 December	Students complete and assessment task in the form of reading an extract from a short story about a woman sailing a boat on her own. They answer questions about the extract and write their own opening to a short story.	
22 – 26 December	Students read an extract from the opening of a novel. They practice the skills of responding to the text, looking at noun phrases, exploring action vocabulary and writing a response.	Christmas Holiday be- gins on 24 th
29 December – 2 January	Christmas Holiday	
5 – 9 January	Students complete an assessment task in the form of reading an extract from a novel and responding to questions about it. They write three or four paragraphs in response to an extended question.	
12 – 16 January	Students read an article about young people and social media. They practice the skills of identifying and summarizing the argument, identifying key features and responding to the argument.	
19 - 23 January	Students read an article about teenagers and fashion. They practice the skills of responding to the argument, exploring sentence structure, adding impact, and crafting sentences.	
26 – 30 January	Students complete an assessment in the form of reading an article about the value of self-esteem. They answer questions about the article and write an argument text on the topic of appearance.	

2 – 6 February	Students read an article about social media written by a student. They practice the skills of reviewing intention and structure, and reviewing vocabulary choice, sentence structure and rhetorical devices for impact.	
9 – 13 February	Students complete an assessment task in the form of planning, writing, reviewing and revising an argument piece on the topic of ‘Being Yourself’.	
16 -20 February	Final Exam Week	



Unit 4 – Making History – Writing a Report



Unit 5 – Attention! – Critical Writing



Unit 6 – Being Yourself – Speech

Bangkok Christian College English Immersion Program
Course Scope for Our Daily Life English Mathayom 3
Semester 2/2025-2026 Teacher Mark Hartman

Date	Contents	Comments/ Remarks
20 -24 October	Selecting Information (Choosing relevant and important details for writing)	
27 October – 31 October	Building Paragraphs (Topic sentences, supporting details, concluding sentences)	
3 - 7 November	Restructuring Sentences (Making sentences more clear, concise, and varied)	
10 - 14 November	Improving Your Writing (Techniques for clear and effective writing)	
17 - 21 November	Using Language for Influence (Persuasion and rhetoric)	
24 – 28 November	Sentence Construction (Review and further practice with varied sentence structures)	Pearson Exams Week
1 – 5 December	Revisiting Modifiers and Prepositions (Deepening understanding of modifiers and prepositional phrases)	
8 – 12 December	Advanced Sentence Construction (Complex and compound-complex sentences)	
15 – 19 December	Transitional Words (Advanced connectors for cohesion and flow)	
22 – 26 December	Restructuring Sentences (Focus on varied and complex sentence structures)	Christmas Holiday begins on 24 th
29 December – 2 January	Christmas Holiday	
5 – 9 January	Selecting Information (Writing for purpose and audience)	
12 – 16 January	Writing for Influence (Techniques for persuasive writing)	
19 - 23 January	Reviewing and Revising (Peer editing and revision skills)	
26 – 30 January	Emotive Vocabulary (Expanding expressive vocabulary for writing)	
2 – 6 February	Redundancy and Clarity (Improving writing clarity and reducing redundancy)	

9 – 13 February	Diction (Final review of word choice and tone for clarity and impact)	
16 -20 February	Final Exam Week	

-  Developing Writing Skills
-  Paragraph and Essay Development
-  Refining Writing and Analysis
-  Advanced Writing Skills
-  Writing for Different Purposes
-  Final Writing Development

Bangkok Christian College English Immersion Program
Course Scope for English Social Studies Mathayom 3
Semester 2/2025-2026 Teacher Andrew Hailstone

Date	Contents	Comments/ Remarks
20 -24 October	Physical Features of South America	
27 October – 31 October	Waterways and Canals Pollution of the Amazon River	
3 - 7 November	The Erie Canals and its economic significance	
10 - 14 November	Waterways and Natural Features	
17 - 21 November	Climate and Vegetation	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Hurricanes and their features	
8 – 12 December	Hurricane Katrina	
15 – 19 December	Hurricane Katrina and its causes	
22 – 26 December	***Christmas ceremonies, followed by the beginning of Christmas holiday on the 24 th ***	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Hurricane Katrina and its lessons	
12 – 16 January	Climate of South America	
19 - 23 January	Construction of the Panama Canal	
26 – 30 January	Significance of the Panama Canal	
2 – 6 February	The potential of the Kra Canal	
9 – 13 February	Details of the Kra Canal	
16 -20 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Mathematics – Algebra 2 Mathayom 3
Semester 2/2025-2026 Teacher Douglas Dake

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16	2-6 Feb	12-4 Double-Angle and Half-Angle Identities 12-5 Solving Trigonometric Equations Module 12 Test	
17	9-13 Feb	Final Exam Review	
18	16-20 Feb	Final Exam Week	

Bangkok Christian College English Immersion Program**Course Scope for Science Mathayom 3****Semester 2/2025-2026 Teacher Declan Lightowler**

Date	Contents	Comments/ Remarks
24 October	Introduction	
27-31 October	Waves: Types of Waves	
3 - 7 November	Calculating Wave Speed	
10 - 14 November	Introduction to the Electromagnetic Spectrum	
17 - 21 November	Applications and Uses of Light	
24 – 28 November	Dangers of Light	
1 – 5 December	Sound Waves	
8 – 12 December	Reflection and Refraction	
15 – 19 December	Snell’s Law	
22 – 26 December	Physics Calculations Test	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Animal and Plant Nutrition	
12 – 16 January	Biological Molecules	
19 - 23 January	Laboratory: Food Tests (Testing for Starch)	
26 – 30 January	Enzymes	
2 – 6 February	Plants and Photosynthesis	
9 – 13 February	Human Nutrition	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Design and Technology Computer Mathayom 3

Semester 2/2025-2026 Teacher Dean Lenducci

Date	Contents	Comments/ Remarks
24 October	Defining the Business Concept: Students explore and articulate their business ideas, establishing a clear vision and purpose.	
27-31 October	Identifying Target Audience Demographics: Learners analyze potential customers, focusing on age, interests, and purchasing behavior.	
3 - 7 November	Tailoring the Marketing Message: Students develop messaging strategies that resonate with their target audience.	
10 - 14 November	Writing a Treatment for a Business Pitch: Learners create a structured business pitch treatment to effectively communicate their concept.	
17 - 21 November	Understanding Brand Identity: Students investigate the components of a strong brand, including values, tone, and visual style.	
24 – 28 November	Color Psychology and Typography: Learners examine how color choices and font selection influence brand perception.	
1 – 5 December	Using AI Generative Art: Students apply AI tools to create logos and conceptual imagery for their business.	
8 – 12 December	Understanding Learning Models and Prompts: Learners explore effective prompt design and AI learning models to optimize creative outputs.	
15 – 19 December	Developing a Product or Service Menu: Students plan and design their business offerings, aligning products or services with brand identity.	
22 – 26 December	Tracking Operational Processes: Students learn to manage workflow, inventory, and other operational systems efficiently.	
29 December – 2 January	Excel Simplified Business Budget: Learners create an Excel-based budget to plan and monitor business finances.	
5 – 9 January	Research Costing: Students investigate real-world costs of products, materials, and services to inform accurate budgets.	
12 – 16 January	Excel Forecasting Profit vs. Expenditure: Learners use Excel to analyze projected income and expenses to evaluate business viability.	
19 - 23 January	Exploring the Internet of Things (IoT): Students study IoT applications from consumer to industrial systems and their impact on everyday life.	
26 – 30 January	Robotics and Workforce Transformation: Learners analyze how robotics and automation are reshaping industries and education.	
2 – 6 February	Artificial Intelligence and Chatbots: Students examine AI functionality, applications, and ethical considerations in modern business.	
9 – 13 February	Introduction to Quantum Computing: Learners explore quantum computing principles, including qubits, and contrast them with classical computing.	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Physical Education Mathayom 3
Semester 2/2025-2026 Teacher Ben Fishman

Date	Contents	Comments/ Remarks
25 October	Ice Breaker/What is a health goal?	School Starts
28 October – 1 November	Fitness Test • Burpees • 40 yard dash • Max jump height	
4 - 8 November	Health Research 101/Beginning of health myth research project	Students will investigate and debunk an online fitness myth
11 - 15 November	Football • Handling Drills • Defensive Drills • Live Games	
18 - 22 November	Basketball • Handling Drills • Defensive Drills • Live Games	
25 – 29 November	***Pearson Exams Week***	
2 – 6 December	Types of exercise • Hypertrophy explained • Cardio, and why it's the worst but also the best • Weight Training, and why you shouldn't be lifting that much	
9 – 13 December	American Football • Rules & Strategies • 7 on 7 games	Research Proposals Due
16 – 20 December	Capture the Flag	
23 – 27 December	***Christmas ceremonies, followed by the beginning of Christmas holiday on the 24 th ***	
30 December – 3 January	***Christmas Holiday***	
6 – 10 January	Nutrition 101 • Calculating Caloric Maintenance • Safe Weight loss/gain • “Gaintaing” and why it literally never works except for you	
13 – 17 January	Research Project Presentations	Research Projects Due
20 - 24 January	Research Project Presentations (if needed) • If not, sport of choice	
27 – 31 January	Re-do Fitness Test • Burpees • 40 yard dash • Max jump height	Results will be compared to the beginning of the semester
3 – 7 February	Football 2.0 • Handling Drills • Defensive Drills • Live Games	
10 – 14 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for English Social Studies Mathayom 3
Semester 2/2025-2026 Teacher Andrew Hailstone

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Bangkok Christian College English Immersion Program

Course Scope for Fundamental English Mathayom 3

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16 -20 February	Final Exam Week	



Unit 4 – Making History – Writing a Report



Unit 5 – Attention! – Critical Writing



Unit 6 – Being Yourself – Speech

Bangkok Christian College English Immersion Program
Course Scope for Our Daily Life English Mathayom 3
Semester 2/2025-2026 Teacher Mark Hartman

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-  Refining Writing and Analysis
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-  Writing for Different Purposes
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Bangkok Christian College English Immersion Program

Course Scope for Design and Technology Computer Mathayom 3

Semester 2/2025-2026 Teacher Dean Lenducci

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Bangkok Christian College English Immersion Program
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Semester 2/2025-2026 Teacher Ben Fishman

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