

Bangkok Christian College English Immersion Program
Course Scope for Physics (Introduction to Biology) Mathayom 4
Semester 2/2025-2026 Teacher Steven Fournier

Date	Contents	Comments/ Remarks
24 October	Quick Review of Units 1: Velocity, Energy, Deep dive into some kinematic velocity questions. Worksheet 1.	
27-31 October	Unit 1: Velocity. Breaking questions. Solving multiple part questions continued. How velocity is converted to electricity.	
3 - 7 November	Physics Unit 2: Electricity. (pg. 59-95) Mains Electricity. Project 1: Making circuits. Look at complex systems and try to establish what is going on. Rectifiers, capacitors, inductor	
10 - 14 November	Physics Unit 2: Electricity. Current and Voltage. Electrical Resistance (Worksheet 2) Groupwork on making circuits.	
17 - 21 November	Test 1: Electricity and practice with past papers in prep for pearson exam.	
24 – 28 November	***Pearson Exams Week*** or Project Work	
1 – 5 December	Physics Unit 3: Waves. Properties of waves. Pg 559-568. Review wavelength, types of waves, aspects of reflection and the Doppler effect. Physics Unit 3: Waves. The electromagnetic spectrum. Pg 568- 574.	
8 – 12 December	Physics Unit 3: Waves: The electromagnetic spectrum/light and sound pg 568-587. Quiz 1 online. Project 1 due.	
15 – 19 December	Lab 1: Internal reflection using sims. https://phet.colorado.edu/sims/html/bending-light/latest/bending-light_en.html Making a prism to make a rainbow. or make a periscope https://www.youtube.com/watch?v=N0LqI77DFBY Make a report in a team with and demonstrate your prism making a rainbow.+ Physics Unit 3: Waves review → Test 1 and feedback	
22 – 26 December	Finish outstanding work...***Christmas ceremonies, followed by the beginning of Christmas holiday on the 24 th ***	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Project 2: Use two or more of the units we have covered to demonstrate an idea or invention. (Groups 6 max)	
12 – 16 January	Review of Chapters 1-4 with IGCSE papers. Online quiz 2: Chapters 1-4 (like a mini BMAT)	
19 - 23 January	Review of Chapter 1-4 with IGCSE past papers. Worksheet 2:	
26 – 30 January	Test 2 on Waves Presentation of projects on waves, completion of outstanding work.	
2 – 6 February	Presenting projects continued if time, IGCSE content from Units 1-4 , Student interviews on concept questions and situational questions. (Presentation 1)	
9 – 13 February	Student interviews (Presentation 1) continued + Online quiz/Test 3 Review of: Units 1-4 Mock exam + practice questions. Prep for Exam	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Physical Education Mathayom 4
Semester 2/2025-2026 Teacher Benjamin 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	Supplements 101 • Creatine • Caffeine and why it's bad but actually good • Multi-Vitamin	
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	(Western) Boxing • Why it's the safest but also the most dangerous • How to wrap your wrists • Other combat sports explained	
9 – 13 December	Western Boxing Drills • Shadowboxing • Footwork	
16 – 20 December	Western Boxing Drills • Padwork	
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	American Football • Rules & Strategies • 7 on 7 games	
13 – 17 January	Football 2.0 • Handling Drills • Defensive Drills • Live Games	
20 - 24 January	Nutrition 101 • Calculating Caloric Maintenance • Safe Weight loss/gain • “Gaintaing” and why it literally never works except for you	
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	Capture the Flag	
10 – 14 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Physics Mathayom 4

Semester 2/2025-2026 Teacher Nicholas Barrett

Date	Contents	Comments/ Remarks
24 October	Introduction to Semester Two	
27-31 October	Density, Viscosity and Pressure (of Fluids)	
3 - 7 November	Stoke's Law	
10 - 14 November	Fluids: Laminar and Turbulent Flow	
17 - 21 November	Upthrust and Drag in Fluids	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Hydraulics calculations	
8 – 12 December	Assessment: Fluid Dynamics	
15 – 19 December	Turning moments, couples and torque	
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	Moment equilibrium and the principle of moments	
12 – 16 January	Centre of mass and application of the three conditions of equilibrium	
19 - 23 January	Assessment: Moments and Equilibrium	
26 – 30 January	Energy resources and generation of electricity	
2 – 6 February	Project: Energy resources and generation of electricity	
9 – 13 February	Unit Test: Fluid dynamics, moments and energy resources	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for English for Literature Studies Mathayom 4
Semester 2/2025-2026 Teacher Jeff Tedlow

Date	Contents	Comments/ Remarks
20 -24 October	Short Story- <i>Lamb to the Slaughter</i> • Introduction-explanation of dark humor, discussion about how people respond to unexpected change • Vocabulary	
27 October – 31 October	Short Story- <i>Lamb to the Slaughter</i> • Read story	
3 - 7 November	Short Story- <i>Lamb to the Slaughter</i> Read story • Post-story class discussion • Students answer questions	
10 - 14 November	Assessment-<i>Lamb to the Slaughter</i> test • <i>Introduction to Occurrence at Owl Creek Bridge</i>-explanation of the US Civil War	
17 - 21 November	Short story-<i>An Occurrence at Owl Creek Bridge</i> • Vocabulary • Begin reading	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Short story-<i>An Occurrence at Owl Creek Bridge</i> • Read story	
8 – 12 December	Short Story-<i>An Occurrence at Owl Creek Bridge</i> • Finish reading • Post-reading class discussion • Students answer questions	
15 – 19 December	Assessment- <i>An Occurrence at Owl Creek Bridge</i> test Short Story-<i>Contents of a Dead Man's Pocket</i> • Introduction-discussion about ambition, work/life balance, and risking one's life	
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	Short Story-<i>Contents of a Dead Man's Pocket</i> • Read story	
12 – 16 January	Short Story-<i>Contents of a Dead Man's Pocket</i> Read story	
19 - 23 January	Short Story-<i>Contents of a Dead Man's Pocket</i> • Finish reading • Post-reading class discussion • Students answer questions	
26 – 30 January	Assessment-test on <i>Contents of a Dead Man's Pocket</i> • Read and discuss <i>When I Heard the Learn'd Astronomer</i> poem	
2 – 6 February	Assessment- Test on <i>When I Heard the Learn'd Astronomer</i> • Read and discuss <i>I Too</i>, poem by Langston Hughes	
9 – 13 February	FINAL EXAM REVISION	
16 -20 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for English for Speech Mathayom 4
Semester 2/2025-2026 Teacher Jeff Tedlow

Date	Contents	Comments/ Remarks
20 -24 October	• Introduction to course/go over course outline • Introduction to public speaking • Public speaking tips/suggestions	
27 October – 31 October	Study of Martin Luther King’s <i>I have a Dream</i> speech. • Discussion of speech • Students answer questions on the content of the speech/analysis and discussion as to why it is one of the greatest speeches of all time.	
3 - 7 November	• Presentation on informative speeches • Study example informative speech • Go over informative speech outline • Assign informative speech	
10 - 14 November	**Students give their informative speeches**	
17 - 21 November	• Presentation on persuasive speeches • Study sample persuasive speech • Go over persuasive speech outline • Assign persuasive speech	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	** Students give their persuasive speeches **	
8 – 12 December	• Presentation on entertainment speeches • Study sample entertainment speech • Assign entertainment speech	
15 – 19 December	**Students give their entertainment speeches**	
22 – 26 December	***Christmas ceremonies, followed by the beginning of Christmas holiday on the 24th***	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Assessment- test on public speaking techniques, persuasive, and entertainment speeches Assign project-students research a conspiracy theory and give a persuasive speech on whichever side they agree with • Students work on their projects	
12 – 16 January	** Students give their conspiracy theory persuasive speeches**	
19 - 23 January	**Students finish giving their persuasive speeches** • Introduction to debate • Explanation of one-on-one debate activity • Students prep for one- on-one debate	
26 – 30 January	• Students do their one-on-one debates • Class votes on the winner in each debate	
2 – 6 February	• Introduction to one-on-one Interview project • Students prep and deliver their one-on-one interviews in pairs • Class fills out questionnaire provided by teacher to critique each pair interview • Teacher announces results and leads class discussion	
9 – 13 February	** Final Exam**	
16 -20 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Economic and Geography 2 Mathayom 4
Semester 2/2025-2026 Teacher Andrew Hailstone

Date	Contents	Comments/ Remarks
20 -24 October	Decolonization	
27 October – 31 October	Nation Creation	
3 - 7 November	Civil Wars	
10 - 14 November	Nation States Definitions	
17 - 21 November	Nation States Yugoslavia and Rwanda	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Nation States Ukraine and China	
8 – 12 December	Nation States Ireland, UK and France	
15 – 19 December	Nationalism	
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	Multi-Culturalism	
12 – 16 January	The Collapse of the Soviet Union	
19 - 23 January	Soviet based causes	
26 – 30 January	Ordering of events	
2 – 6 February	US based causes	
9 – 13 February	Ordering of events	
16 -20 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for English for Poetry and Song Lyrics Mathayom 4
Semester 2/2025-2026 Teacher Jeff Tedlow

Date	Contents	Comments/ Remarks
20 -24 October	- Review course outline and expectations The Beatles <i>A Day in the Life</i>-discussion of song/students answer questions	
27 October – 31 October	Robert Frost-<i>Nothing Gold Can Stay</i> - Discussion of poem - Students answer questions	
3 - 7 November	Rush-<i>The Trees</i> - Discussion of song - Students answer questions Assign Project- Students in groups make a music video to a song of their choice	
10 - 14 November	Robert Hayden-<i>Those Winter Sundays</i> - Discussion of poem - Students answer questions	
17 - 21 November	Assessment- Test on <i>A Day in the Life, Nothing Gold can Stay, The Trees, and Those Winter Sundays</i> <i>Green Day-Good Riddance</i> - Discussion of song - Students answer questions	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Steve Coleman- <i>I Wanna Hear a Poem</i> - Introduction to slam poetry - Discussion of poem - Students answer questions	
8 – 12 December	Jake Miller <i>White Night</i> - Discussion of song - Students answer questions	
15 – 19 December	** Music video group project presentations**	
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	Emily Dickinson-<i>Success is Counted Sweetest</i> - Discussion of poem - Students answer questions	
12 – 16 January	The Smashing Pumpkins <i>Bullet With Butterfly Wings</i> - Discussion of song - Students answer questions	
19 - 23 January	Assessment- Test on <i>I Wanna Hear a Poem, White Night, Success is Counted Sweetest, Bullet With Butterfly wings, Good Riddance</i>	
26 – 30 January	Bob Marley-<i>Redemption Song</i> - Introduction to history of Reggae music/Bob Marley - Discussion of song - Students answer questions	
2 – 6 February	FINAL EXAM REVISION	
9 – 13 February	FINAL EXAM	
16 -20 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Mathematics Mathayom 4 Track 2

Semester 2/2025-2026 Teacher Andrew Joslin

Date	Contents	Comments/ Remarks
20-24 Oct	Simultaneous Equations Linear Non Linear	24 Oct - School Opens
27-31 Oct	Straight line graphs Vertical and horizontal Graphing from a table of values	
3 - 7 Nov	Straight line graphs Equations of lines Gradient intercept form, General form	
10-14 Nov	Straight line graphs Graphing lines from equations Lines of symmetry	
17-21 Nov	Inequalities Linear Inequalities Regions	
24-28 Nov	Graphs and Transformations Sketching Cubic and reciprocal graphs	
1-5 Dec	Transformation Geometry Translations Rotations Reflections Enlargements	5 Dec. - King's Birthday
8-12 Dec	Graphs and Transformations The inverse of a transformation Combined transformations	10 Dec. - Constitution Day
15-19 Dec	Transformation Geometry Stretches Shifting and stretching graphs Transforming functions	
22-26 Dec		25-26 Dec- Christmas Holiday
29 Dec - 2 Jan		29 Dec – 2 Jan Christmas Holiday
5- 9 Jan	Trigonometry Labelling sides of a right-angled triangle The tri ratios Problem solving	
12-16 Jan	Trigonometry The first quadrant of a unit circle True bearings	16 Jan – Teacher's Day
19-23 Jan	Trigonometry The Unit Circle Area of a triangle using sine	
26-30 Jan	Trigonometry The sine rule The cosine rule Problem solving with the sine and cosine rules	
2-6 Feb	Radian Measure Radian and degree conversion Length of arc using radians	
9-13 Feb	Review	
16-20 Feb	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for Computer Mathayom 4

Semester 2/2025-2026 Teacher James Cookson

Date	Contents	Comments/ Remarks
24 October	Introduction to Blender (3D modelling software)	
27-31 October	Blender – Exploring Object mode	
3 - 7 November	Blender – Exploring Edit mode	
10 - 14 November	Blender – Creating 3D models 1	
17 - 21 November	Blender – Creating 3D models 2	
24 – 28 November	Blender – Creating 3D models 3	
1 – 5 December	Blender – Exploring Sculpt mode	
8 – 12 December	Blender – Creating Landscapes	
15 – 19 December	Blender – Midterm Project	
22 – 26 December	Blender – Midterm Project	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Blender – Introduction to Animation	
12 – 16 January	Blender – Walking Animation 1	
19 - 23 January	Blender – Walking Animation 2	
26 – 30 January	Blender – Importing/Exporting models	
2 – 6 February	Blender – Final Project	
9 – 13 February	Blender – Final Project	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for General Science Mathayom 4

Semester 2/2025-2026 Teacher Steven Fournier

Date	Contents	Comments/ Remarks
24 October	Physics Unit 2: Electricity. Pg 529-545. Mains Electricity. Power= Current x Voltage, Ohm's Law ($V=IR$) Worksheet 1 on Ohm's Law.	
27-31 October	Physics Unit 2: Electricity. Pg 545-558. Finish up electricity, look at circuits, make online with Phet, Project 1: Doing an experiment with a battery.	
3 - 7 November	Physics lab 1: Work. Comparing physical work to electrical work Test 1 on Electricity.	
10 - 14 November	Biology Unit 3: Plant Physiology: pg 145-162. Chemical Coordination, reproduction.	
17 - 21 November	Biology Unit 3: Plant Physiology Online Quiz 2, submit Lab 1 Project 2 on Energy: How plants give us energy (food chain, motion of energy).	
24 – 28 November	***Pearson Exams Week*** + Continuing Plant Physiology	
1 – 5 December	Test 3: Plant Physiology. Check progress of seeds (Lab 2) Physics: Unit 3: Waves. Properties of Waves (pg 559-568) Test 2 + Feedback. Lab on Plants under a microscope.	
8 – 12 December	Test 3: Plant Physiology. Check progress of seeds (Lab 2) Physics: Unit 3: Waves. Properties of Waves (pg 559-568)	
15 – 19 December	Test 1 + Feedback. Lab on Plants under a microscope.	
22 – 26 December	Biology Unit 3, Physics Unit 2, Plant worksheets due, ***Christmas ceremonies, followed by the beginning of Christmas holiday on the 24 th ***	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Physics Unit3: Waves: The electromagnetic spectrum (568-575). Worksheet 3: uses of the electromagnetic spectrum. Project 1 due.	
12 – 16 January	Physics: Unit 3: Waves. Properties of Waves (pg 559-568) Project 3: Demonstration of Sound or Light (Build a musical Instrument)	
19 - 23 January	Physics Unit 3: Light and Sound waves. Test 3: Waves. Review:	
26 – 30 January	Feedback on Test 3 + Presentation of Projects for Waves (Project 3)	
2 – 6 February	Chemistry Unit 1: 276-290 review, moving forward into empirical formula, stoichiometry, + energetics (if time) pg 413-428. Chemistry Supplemental: Batteries. How they work, storing energy, transferring energy. Project 2: Doing an experiment with a battery. Making your own circuit.	
9 – 13 February	Review of Work Done: Mock Exam (Test 4) on Biology, Chemistry, and Physics.	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for English Mathayom 4
Semester 2/2025-2026 Teacher Jeff Tedlow

Date	Contents	Comments/ Remarks
20 -24 October	Unit 2 Writing Preparation Part 6 Speech and Communication - Finding equivalent expressions - Paraphrasing and summarizing - Communication verbs	Lessons taken from Ed Excel textbook English as a Second Language student book
27 October – 31 October	Unit 2 Writing Preparation Part 6 Speech and Communication - Past continuous verb tense - Past continuous and past simple tenses <i>Would</i> and <i>used to</i> Assessment: Test on Writing Prep Part 6 Assign Project: Students choose a scene from their favorite movie and perform it with an additional imagined scene	
3 - 7 November	Unit 3 Listening Preparation Part 1 The World of Work - Discussion of students' ideal job - Listening for the overall message - Different types of speech - Listening for detail	
10 - 14 November	Unit 3 Listening Preparation Part 1 The World of Work - Nouns focusing on the corporate world - WH questions and question tags - Sentence Inversions Assessment: Test on Listening Preparation Part 1	
17 - 21 November	Unit 3 Listening Preparation Part 2 Pets - Identifying key points and detail - Identifying stated and implied viewpoints - Health and training collocations	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Unit 3 Listening Preparation Part 2 Pets - Prepositions and prepositional phrases - Prepositions of time - Prepositions of place and movement Assessment: Test on Listening Preparation Part 2	
8 – 12 December	Listening Preparation Part 3 Games - Statements and implications - Facts and opinions - Adjectives and adverbs - Adverbs of frequency	

15 – 19 December	Listening Preparation Part 4 Shopping - Identifying important information and details - Verbs and expressions related to shopping - Phrasal verbs (separable and non-separable)	
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	Speaking Preparation Part 1 Fashion - Pronunciation skills - Intonation and stress - Long and short vowels - Adjectives related to fashion	
12 – 16 January	Speaking Preparation Part 1 Fashion Past perfect, past continuous, and past simple tenses Assessment: test on Speaking Preparation Part 1	
19 - 23 January	Reading Practice Travel and Hospitality - Distinguishing between facts, opinions, and ideas - Practicing word limits in answers - Summarizing - Nouns and verbs related to buildings - Conditionals (zero, first, second, and third)	
26 – 30 January	Writing Practice Work and Jobs - Email writing language conventions - Phrasal verbs related to the workplace - Perfect continuous tenses Assessment: Test on Reading and Writing Practice	
2 – 6 February	Listening Practice Sport and Fitness - Phrasal verbs related to sport and fitness - Modals in past tense - Modals of speculation and deduction	
9 – 13 February 16 -20 February	FINAL EXAM REVISION	
	Final Exams	

Bangkok Christian College English Immersion Program
Course Scope for English Mathayom 4
Semester 2/2025-2026 Teacher Jeff Tedlow

Date	Contents	Comments/ Remarks
20 -24 October	Unit 2 Writing Preparation Part 6 Speech and Communication - Finding equivalent expressions - Paraphrasing and summarizing - Communication verbs	Lessons taken from Ed Excel textbook English as a Second Language student book
27 October – 31 October	Unit 2 Writing Preparation Part 6 Speech and Communication - Past continuous verb tense - Past continuous and past simple tenses <i>Would</i> and <i>used to</i> Assessment: Test on Writing Prep Part 6 Assign Project: Students choose a scene from their favorite movie and perform it with an additional imagined scene	
3 - 7 November	Unit 3 Listening Preparation Part 1 The World of Work - Discussion of students' ideal job - Listening for the overall message - Different types of speech - Listening for detail	
10 - 14 November	Unit 3 Listening Preparation Part 1 The World of Work - Nouns focusing on the corporate world - WH questions and question tags - Sentence Inversions Assessment: Test on Listening Preparation Part 1	
17 - 21 November	Unit 3 Listening Preparation Part 2 Pets - Identifying key points and detail - Identifying stated and implied viewpoints - Health and training collocations	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Unit 3 Listening Preparation Part 2 Pets - Prepositions and prepositional phrases - Prepositions of time - Prepositions of place and movement Assessment: Test on Listening Preparation Part 2	
8 – 12 December	Listening Preparation Part 3 Games - Statements and implications - Facts and opinions - Adjectives and adverbs	

	• Adverbs of frequency	
15 – 19 December	Listening Preparation Part 4 Shopping • Identifying important information and details • Verbs and expressions related to shopping • Phrasal verbs (separable and non-separable)	
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	Speaking Preparation Part 1 Fashion • Pronunciation skills • Intonation and stress • Long and short vowels • Adjectives related to fashion	
12 – 16 January	Speaking Preparation Part 1 Fashion • Past perfect, past continuous, and past simple tenses Assessment: test on Speaking Preparation Part 1	
19 - 23 January	Reading Practice Travel and Hospitality • Distinguishing between facts, opinions, and ideas • Practicing word limits in answers • Summarizing • Nouns and verbs related to buildings • Conditionals (zero, first, second, and third)	
26 – 30 January	Writing Practice Work and Jobs • Email writing language conventions • Phrasal verbs related to the workplace • Perfect continuous tenses Assessment: Test on Reading and Writing Practice	
2 – 6 February	Listening Practice Sport and Fitness • Phrasal verbs related to sport and fitness • Modals in past tense • Modals of speculation and deduction	
9 – 13 February 16 -20 February	FINAL EXAM REVISION	
	Final Exams	

Bangkok Christian College English Immersion Program
Course Scope for English for Literature Studies Mathayom 4
Semester 2/2025-2026 Teacher Jeff Tedlow

Date	Contents	Comments/ Remarks
20 -24 October	Short Story- <i>Lamb to the Slaughter</i> • Introduction-explanation of dark humor, discussion about how people respond to unexpected change • Vocabulary	
27 October – 31 October	Short Story- <i>Lamb to the Slaughter</i> • Read story	
3 - 7 November	Short Story- <i>Lamb to the Slaughter</i> Read story • Post-story class discussion • Students answer questions	
10 - 14 November	Assessment-<i>Lamb to the Slaughter</i> test • Introduction to <i>Occurrence at Owl Creek Bridge</i>-explanation of the US Civil War	
17 - 21 November	Short story-<i>An Occurrence at Owl Creek Bridge</i> • Vocabulary • Begin reading	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Short story-<i>An Occurrence at Owl Creek Bridge</i> • Read story	
8 – 12 December	Short Story-<i>An Occurrence at Owl Creek Bridge</i> • Finish reading • Post-reading class discussion • Students answer questions	
15 – 19 December	Assessment- <i>An Occurrence at Owl Creek Bridge</i> test Short Story-<i>Contents of a Dead Man's Pocket</i> • Introduction-discussion about ambition, work/life balance, and risking one's life	
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	Short Story-<i>Contents of a Dead Man's Pocket</i> • Read story	
12 – 16 January	Short Story-<i>Contents of a Dead Man's Pocket</i> Read story	
19 - 23 January	Short Story-<i>Contents of a Dead Man's Pocket</i> • Finish reading • Post-reading class discussion • Students answer questions	
26 – 30 January	Assessment-test on <i>Contents of a Dead Man's Pocket</i> • Read and discuss <i>When I Heard the Learn'd Astronomer</i> poem	
2 – 6 February	Assessment- Test on <i>When I Heard the Learn'd Astronomer</i> • Read and discuss <i>I Too</i>, poem by Langston Hughes	
9 – 13 February	FINAL EXAM REVISION	
16 -20 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for English for Speech Mathayom 4
Semester 2/2025-2026 Teacher Jeff Tedlow

Date	Contents	Comments/ Remarks
20 -24 October	• Introduction to course/go over course outline • Introduction to public speaking • Public speaking tips/suggestions	
27 October – 31 October	Study of Martin Luther King’s <i>I have a Dream</i> speech. • Discussion of speech • Students answer questions on the content of the speech/analysis and discussion as to why it is one of the greatest speeches of all time.	
3 - 7 November	• Presentation on informative speeches • Study example informative speech • Go over informative speech outline • Assign informative speech	
10 - 14 November	**Students give their informative speeches**	
17 - 21 November	• Presentation on persuasive speeches • Study sample persuasive speech • Go over persuasive speech outline • Assign persuasive speech	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	** Students give their persuasive speeches **	
8 – 12 December	• Presentation on entertainment speeches • Study sample entertainment speech • Assign entertainment speech	
15 – 19 December	**Students give their entertainment speeches**	
22 – 26 December	***Christmas ceremonies, followed by the beginning of Christmas holiday on the 24th***	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Assessment- test on public speaking techniques, persuasive, and entertainment speeches Assign project-students research a conspiracy theory and give a persuasive speech on whichever side they agree with • Students work on their projects	
12 – 16 January	** Students give their conspiracy theory persuasive speeches**	
19 - 23 January	**Students finish giving their persuasive speeches** • Introduction to debate • Explanation of one-on-one debate activity • Students prep for one- on-one debate	
26 – 30 January	• Students do their one-on-one debates • Class votes on the winner in each debate	
2 – 6 February	• Introduction to one-on-one Interview project • Students prep and deliver their one-on-one interviews in pairs • Class fills out questionnaire provided by teacher to critique each pair interview • Teacher announces results and leads class discussion	
9 – 13 February	** Final Exam**	
16 -20 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for English for Poetry and Song Lyrics Mathayom 4
Semester 2/2025-2026 Teacher Jeff Tedlow

Date	Contents	Comments/ Remarks
20 -24 October	- Review course outline and expectations The Beatles <i>A Day in the Life</i>-discussion of song/students answer questions	
27 October – 31 October	Robert Frost-<i>Nothing Gold Can Stay</i> - Discussion of poem - Students answer questions	
3 - 7 November	Rush-<i>The Trees</i> - Discussion of song - Students answer questions Assign Project- Students in groups make a music video to a song of their choice	
10 - 14 November	Robert Hayden-<i>Those Winter Sundays</i> - Discussion of poem - Students answer questions	
17 - 21 November	Assessment- Test on <i>A Day in the Life</i>, <i>Nothing Gold can Stay</i>, <i>The Trees</i>, and <i>Those Winter Sundays</i> Green Day-Good Riddance - Discussion of song - Students answer questions	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Steve Coleman- <i>I Wanna Hear a Poem</i> - Introduction to slam poetry - Discussion of poem - Students answer questions	
8 – 12 December	Jake Miller <i>White Night</i> - Discussion of song - Students answer questions	
15 – 19 December	** Music video group project presentations**	
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	Emily Dickinson-<i>Success is Counted Sweetest</i> - Discussion of poem - Students answer questions	
12 – 16 January	The Smashing Pumpkins <i>Bullet With Butterfly Wings</i> - Discussion of song - Students answer questions	
19 - 23 January	Assessment- Test on <i>I Wanna Hear a Poem</i>, <i>White Night</i>, <i>Success is Counted Sweetest</i>, <i>Bullet With Butterfly wings</i>, <i>Good Riddance</i>	
26 – 30 January	Bob Marley-<i>Redemption Song</i> - Introduction to history of Reggae music/Bob Marley - Discussion of song - Students answer questions	
2 – 6 February	FINAL EXAM REVISION	
9 – 13 February	FINAL EXAM	
16 -20 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Economic and Geography 2 Mathayom 4
Semester 2/2025-2026 Teacher Andrew Hailstone

Date	Contents	Comments/ Remarks
20 -24 October	Decolonization	
27 October – 31 October	Nation Creation	
3 - 7 November	Civil Wars	
10 - 14 November	Nation States Definitions	
17 - 21 November	Nation States Yugoslavia and Rwanda	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Nation States Ukraine and China	
8 – 12 December	Nation States Ireland, UK and France	
15 – 19 December	Nationalism	
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	Multi-Culturalism	
12 – 16 January	The Collapse of the Soviet Union	
19 - 23 January	Soviet based causes	
26 – 30 January	Ordering of events	
2 – 6 February	US based causes	
9 – 13 February 16 -20 February	Ordering of events	
	Final Exams	

Bangkok Christian College English Immersion Program

Course Scope for Mathematics Mathayom 4 Track 1

Semester 2/2025-2026 Teacher Andrew Joslin

Date	Contents	Comments/ Remarks
20-24 Oct	Equations and Inequalities Graphing Linear and Non-linear inequalities Regions	24 Oct - School Opens
27-31 Oct	Graphs and Transformations Cubics, Quartics, Reciprocals Intersections	
3 - 7 Nov	Graphs and Transformations Shifting and Stretching graphs Transforming functions	
10-14 Nov	Straight Line Graphs Equations of lines, parallel and perpendicular lines	
17-21 Nov	Straight Line Graphs Distance between two points	
24-28 Nov	Trigonometric Ratios Review of Sine, Cosine and Tangent The Cosine Rule	
1-5 Dec	Trigonometric Ratios The Sine Rule Areas of Triangles	5 Dec. - King's Birthday
8-12 Dec	Trigonometric Ratios Solving Triangle problems	10 Dec. - Constitution Day
15-19 Dec	Radians Radian Measure The Unit Circle	
22-26 Dec		25-26 Dec- Christmas Holiday
29 Dec - 2 Jan		29 Dec – 2 Jan Christmas Holiday
5- 9 Jan	Trigonometric Ratios Graphs of Sine, Cosine and Tangent Transforming Trigonometric Graphs	
12-16 Jan	Radians Arc Length Areas of Sectors and Segments	16 Jan – Teacher's Day
19-23 Jan	Differentiation Gradients of Curves Finding the derivative Differentiating x^n	
26-30 Jan	Differentiation Differentiating Quadratics Differentiating functions	
2-6 Feb	Differentiation Gradients, tangents and normal Second order Derivatives	
9-13 Feb	Review	
16-20 Feb	Final Exam Week	

Bangkok Christian College English Immersion Program
Course Scope for Mathematics Mathayom 4 Track 2
Semester 2/2025-2026 Teacher Andrew Joslin

Date	Contents	Comments/ Remarks
20-24 Oct	Simultaneous Equations Linear Non Linear	24 Oct - School Opens
27-31 Oct	Straight line graphs Vertical and horizontal Graphing from a table of values	
3 - 7 Nov	Straight line graphs Equations of lines Gradient intercept form, General form	
10-14 Nov	Straight line graphs Graphing lines from equations Lines of symmetry	
17-21 Nov	Inequalities Linear Inequalities Regions	
24-28 Nov	Graphs and Transformations Sketching Cubic and reciprocal graphs	
1-5 Dec	Transformation Geometry Translations Rotations Reflections Enlargements	5 Dec. - King's Birthday
8-12 Dec	Graphs and Transformations The inverse of a transformation Combined transformations	10 Dec. - Constitution Day
15-19 Dec	Transformation Geometry Stretches Shifting and stretching graphs Transforming functions	
22-26 Dec		25-26 Dec- Christmas Holiday
29 Dec - 2 Jan		29 Dec – 2 Jan Christmas Holiday
5- 9 Jan	Trigonometry Labelling sides of a right-angled triangle The tri ratios Problem solving	
12-16 Jan	Trigonometry The first quadrant of a unit circle True bearings	16 Jan – Teacher's Day
19-23 Jan	Trigonometry The Unit Circle Area of a triangle using sine	
26-30 Jan	Trigonometry The sine rule The cosine rule Problem solving with the sine and cosine rules	
2-6 Feb	Radian Measure Radian and degree conversion Length of arc using radians	
9-13 Feb	Review	
16-20 Feb	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for Architects and Engineers Track 412 and 413

Semester 2 -2025-2026 Teacher Vincent Ellison

Date	Contents	Comments/ Remarks
26th October – 29th	Calculate percentage increase/decrease of various amounts. Use the multiplier and know an increase is great than 1 and a decrease is less than 1.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed.
26th October – 29th	How to express “x” as a percentage of “y”. Will be able to find the percentage change.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
26th October – 29th	Will be able to find the original value. Will be able to calculate values using simple and compound interest.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
1st November-5th November	Convert from unit to another using metric or imperial units. Convert area and volume measurements.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
1st November-5th November	Solve problems using formulae that includes speed, density and pressure. Be able to solve real life problems.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
1st November-5th November	Able to calculate angles on triangle, on a straight line, angles around a point and angles in a Quadrilateral. Able to calculate angles that include Parallel lines.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
8th November - 12th November	Translate shapes in the “x” and “y” axes.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in

	Use vectors to translate shapes.	teams-general-file Assignments to be completed
8th November - 12th November	Rotate shapes by using angle, direction and centre of rotation Describe their new rotation position	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
8th November - 12th November	Reflect shapes through mirror lines. Draw their new shapes through reflection or equations.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
8th November - 12th November	Be able to enlarge shapes by using scale factor and centre of enlargement. Describe their enlargements.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
22nd November - 26th	How to find areas using triangles and quadrilaterals. Know to substitute and rearrange formulae for given values.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
22nd November - 26th	How to find areas of circles by using the formula. How to find circumference, sectors and segments of circles.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
22nd November - 26th	Able to work through exam style questions, relating to previous work. Check their methods are clear	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
29th November – 3rd December	Identify faces, edges and vertices. Use formula to calculate surface areas.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
29th November – 3rd December	How to find volumes of cylinders, spheres, pyramids and cones Use formulae to calculate values.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed

29 th November – 3 rd December	Able to work through exam style questions, relating to previous work. Check their methods are clear.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
6 th December – 10 th December	Able to find volumes of frustums by using the formula	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
6 th December – 10 th December	Be able to know how enlargements affect areas. Projections show 3D- Different viewpoints.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
13 th December – 17 th December	Construct triangles using pencil, ruler protractor and compass. Use SSS,ASA,SAS AND RHS.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
13 th December – 17 th December	Use the four rules when doing Loci	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
13 th December – 17 th December	able to work through exam style questions, relating to previous work check their methods are clear.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
20 th December – 23 rd December	Constructing accurate angles	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
20 th December – 23 rd	Drawing the perpendicular	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in

December	- Students will be able to read and use $f(x)$ notation when working with functions. - Students will be able to recognize domain and range.	teams-general-file Assignments to be completed
4 th January – 7 th January	How to use the key words, “FROM” “NORTH LINE” “CLOCKWISE” DO REAL LIFE PROBLEMS BY DRAWING DIAGRAMS FROM WORDED QUESTIONS.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
4 th January – 7 th January	Able to use the rule $a^2 + b^2 = c^2$ to find lengths of sides in 2-d RIGHT ANGLED TRIANGLES . Able to USE THEIR CALCULATORS to solve questions.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
4 th January – 7 th January	Able to use SIN, COS and TAN in right angled triangles to find lengths of sides or unknown angles using the 3 ratios. Able to use inverse sin $^{-1}$ etc to find angles.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
10 th January – 14 th January	Using Sine and cosine rule	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
10 th January – 14 th January	3D Pythagoras	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
10 th January – 14 th January	Be able to identify sine and cosine formulae. Be able to find lengths of sides in 3D shapes.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed

17th January – 21st January	Know that an angle between line and plane can be used to form a right angled triangle. Use trigonometry and Pythagoras to find length of side or angle .	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
17th January – 21st January	Cosine and sine rules can also be used. Able to find lengths or angles with these ratios.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
17th January – 21st January	Able to solve problems with real life problems.	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
24th January – 28th January	Use vector notation	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
24th January – 28th January	Use vector notation	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
24th January – 28th January	Use vector notation	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
7th February – 11th February - Week	Problem solving/exam style questions 1	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed
7th February – 11th February - Week	Problem solving/exam style questions 2	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file

		Assignments to be completed
7th February – 11th February - Week	Problem solving/exam style questions 3	Starters/Diagnostic questions. Pupil involvement Powe-point with examples to put in teams-general-file Assignments to be completed

Bangkok Christian College English Immersion Program

Course Scope for General Science Mathayom 4

Semester 2/2025-2026 Teacher Steven Fournier

Date	Contents	Comments/ Remarks
24 October	Physics Unit 2: Electricity. Pg 529-545. Mains Electricity. Power= Current x Voltage, Ohm's Law ($V=IR$) Worksheet 1 on Ohm's Law.	
27-31 October	Physics Unit 2: Electricity. Pg 545-558. Finish up electricity, look at circuits, make online with Phet, Project 1: Doing an experiment with a battery.	
3 - 7 November	Physics lab 1: Work. Comparing physical work to electrical work Test 1 on Electricity.	
10 - 14 November	Biology Unit 3: Plant Physiology: pg 145-162. Chemical Coordination, reproduction.	
17 - 21 November	Biology Unit 3: Plant Physiology Online Quiz 2, submit Lab 1 Project 2 on Energy: How plants give us energy (food chain, motion of energy).	
24 – 28 November	***Pearson Exams Week*** + Continuing Plant Physiology	
1 – 5 December	Test 3: Plant Physiology. Check progress of seeds (Lab 2) Physics: Unit 3: Waves. Properties of Waves (pg 559-568) Test 2 + Feedback. Lab on Plants under a microscope.	
8 – 12 December	Test 3: Plant Physiology. Check progress of seeds (Lab 2) Physics: Unit 3: Waves. Properties of Waves (pg 559-568)	
15 – 19 December	Test 1 + Feedback. Lab on Plants under a microscope.	
22 – 26 December	Biology Unit 3, Physics Unit 2, Plant worksheets due, ***Christmas ceremonies, followed by the beginning of Christmas holiday on the 24 th ***	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Physics Unit3: Waves: The electromagnetic spectrum (568-575). Worksheet 3: uses of the electromagnetic spectrum. Project 1 due.	
12 – 16 January	Physics: Unit 3: Waves. Properties of Waves (pg 559-568) Project 3: Demonstration of Sound or Light (Build a musical Instrument)	
19 - 23 January	Physics Unit 3: Light and Sound waves. Test 3: Waves. Review:	
26 – 30 January	Feedback on Test 3 + Presentation of Projects for Waves (Project 3)	
2 – 6 February	Chemistry Unit 1: 276-290 review, moving forward into empirical formula, stoichiometry, + energetics (if time) pg 413-428. Chemistry Supplemental: Batteries. How they work, storing energy, transferring energy. Project 2: Doing an experiment with a battery. Making your own circuit.	
9 – 13 February	Review of Work Done: Mock Exam (Test 4) on Biology, Chemistry, and Physics.	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Physics Mathayom 4

Semester 2/2025-2026 Teacher Nicholas Barrett

Date	Contents	Comments/ Remarks
24 October	Introduction to Semester Two	
27-31 October	Density, Viscosity and Pressure (of Fluids)	
3 - 7 November	Stoke's Law	
10 - 14 November	Fluids: Laminar and Turbulent Flow	
17 - 21 November	Upthrust and Drag in Fluids	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Hydraulics calculations	
8 – 12 December	Assessment: Fluid Dynamics	
15 – 19 December	Turning moments, couples and torque	
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	Moment equilibrium and the principle of moments	
12 – 16 January	Centre of mass and application of the three conditions of equilibrium	
19 - 23 January	Assessment: Moments and Equilibrium	
26 – 30 January	Energy resources and generation of electricity	
2 – 6 February	Project: Energy resources and generation of electricity	
9 – 13 February	Unit Test: Fluid dynamics, moments and energy resources	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Physics (Introduction to Biology) Mathayom 4
Semester 2/2025-2026 Teacher Steven Fournier

Date	Contents	Comments/ Remarks
24 October	Quick Review of Units 1: Velocity, Energy, Deep dive into some kinematic velocity questions. Worksheet 1.	
27-31 October	Unit 1: Velocity. Breaking questions. Solving multiple part questions continued. How velocity is converted to electricity.	
3 - 7 November	Physics Unit 2: Electricity. (pg. 59-95) Mains Electricity. Project 1: Making circuits. Look at complex systems and try to establish what is going on. Rectifiers, capacitors, inductor	
10 - 14 November	Physics Unit 2: Electricity. Current and Voltage. Electrical Resistance (Worksheet 2) Groupwork on making circuits.	
17 - 21 November	Test 1: Electricity and practice with past papers in prep for pearson exam.	
24 – 28 November	***Pearson Exams Week*** or Project Work	
1 – 5 December	Physics Unit 3: Waves. Properties of waves. Pg 559-568. Review wavelength, types of waves, aspects of reflection and the Doppler effect. Physics Unit 3: Waves. The electromagnetic spectrum. Pg 568- 574.	
8 – 12 December	Physics Unit 3: Waves: The electromagnetic spectrum/light and sound pg 568-587. Quiz 1 online. Project 1 due.	
15 – 19 December	Lab 1: Internal reflection using sims. https://phet.colorado.edu/sims/html/bending-light/latest/bending-light_en.html Making a prism to make a rainbow. or make a periscope https://www.youtube.com/watch?v=N0LqI77DFBY Make a report in a team with and demonstrate your prism making a rainbow.+ Physics Unit 3: Waves review → Test 1 and feedback	
22 – 26 December	Finish outstanding work...***Christmas ceremonies, followed by the beginning of Christmas holiday on the 24 th ***	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Project 2: Use two or more of the units we have covered to demonstrate an idea or invention. (Groups 6 max)	
12 – 16 January	Review of Chapters 1-4 with IGCSE papers. Online quiz 2: Chapters 1-4 (like a mini BMAT)	
19 - 23 January	Review of Chapter 1-4 with IGCSE past papers. Worksheet 2:	
26 – 30 January	Test 2 on Waves Presentation of projects on waves, completion of outstanding work.	
2 – 6 February	Presenting projects continued if time, IGCSE content from Units 1-4 , Student interviews on concept questions and situational questions. (Presentation 1)	
9 – 13 February	Student interviews (Presentation 1) continued + Online quiz/Test 3 Review of: Units 1-4 Mock exam + practice questions. Prep for Exam	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Anatomy Mathayom 4
Semester 2/2025-2026 Teacher Rick Reinders

Date	Contents	Comments/ Remarks
24 October	<i>Unit 3: Muscular System</i> Types of muscle tissue (skeletal, smooth, cardiac) Structure and function of skeletal muscle	
27-31 October	Sliding filament theory of contraction	
3 - 7 November	Antagonistic muscle pairs and movement	
10 - 14 November	Muscle fatigue, energy supply, and recovery injuries	
17 - 21 November	Common muscle disorders and injuries	
24 – 28 November	<i>Unit 4: Integumentary System</i> Structure and function of skin (epidermis, dermis, subcutaneous tissue)	
1 – 5 December	Accessory structures: hair, nails, sweat glands, sebaceous glands	
8 – 12 December	Functions: protection, temperature regulation, sensory reception, excretion	
15 – 19 December	Wound healing and tissue repair	
22 – 26 December	Common skin conditions and diseases (acne, burns, skin cancer)	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	<i>Unit 5: Endocrine System</i> Overview of endocrine vs. exocrine glands	
12 – 16 January	Major endocrine glands and their hormones (pituitary, thyroid, pancreas, adrenal, gonads)	
19 - 23 January	Hormonal regulation of body processes (growth, metabolism, reproduction, blood glucose)	
26 – 30 January	Feedback mechanisms (negative and positive)	
2 – 6 February	Endocrine disorders (diabetes, hyperthyroidism, hypothyroidism, Cushing's syndrome)	
9 – 13 February	Preparation for final exam and reviewing material	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Biology Mathayom 4

Semester 2/2025-2026 Teacher Rick Reinders

Date	Contents	Comments/ Remarks
24 October	Unit 4 – Transport Transport in Unicellular and Multicellular Organisms	
27-31 October	Transport in Plants	
3 - 7 November	Transport in Animals	
10 - 14 November	The Heart and Circulatory System	
17 - 21 November	Review and Quiz Unit 4	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Unit 5 - Excretion Excretion in Plants	
8 – 12 December	Excretory Products in Humans The Kidney and Osmoregulation The Urinary System	
15 – 19 December	The Nephron Regulation of Water Content Composition of Urine	
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	Unit 6 – Coordination and Response Plant Responses	
12 – 16 January	Coordination in Animals Nervous and Hormonal Communication	
19 - 23 January	The Eye and Vision Skin and Temperature Regulation	
26 – 30 January	Hormonal Control	
2 – 6 February	Unit 7 – Reproduction and Inheritance Types of Reproduction Plant Reproduction	
9 – 13 February	Human Reproduction Inheritance and Genetics	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Chemistry Mathayom 4

Semester 2/2025-2026 Teacher Sepehr Massoumi Alamouti

Date	Contents	Comments/ Remarks
24 October	Introduction	Content and Assessment: - Course scope review - Reviewing the objective checklist - Setting goals activity
27-31 October	The Periodic Table 3.1 - The Periodic Table understand how elements are arranged in the Periodic Table: - in order of atomic number - in groups and periods. 3.2 - Electronic Structure understand how to deduce the electronic configurations of the first 20 elements from their positions in the Periodic Table understand how the electronic configuration of a main group element is related to its position in the Periodic Table understand why elements in the same group of the Periodic Table have similar chemical properties understand why the noble gases (Group 0) do not readily react 3.3 - Metals & Non-Metals identify an element as a metal or a non-metal according to its position in the Periodic Table understand how to use electrical conductivity and the acid-base character of oxides to classify elements as metals or non-metals	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 30-37 Required Problems: 1-8 (Pages 36-37) Revision Textbook: Page 24-26 Lab Book: Pages N/A Formative Assessments: The Periodic Table Electron Structure Exam Style Questions
10 - 14 November	Bonding compare and contrast ionic Bonding, Covalent bonding, Metallic Bonding and giant Covalent molecules	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 77-100 Required Problems: 1-6 (Pages 83-84) Required Problems: 1-9 (Pages 96-97) Required Problems: 1-9 (Page 100) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions

10 - 14 November	Bonding 3.4 - Formation of Ions understand how ions are formed by electron loss or gain know the charges of these ions: - metals in Groups 1, 2 and 3 - non-metals in Groups 5, 6 and 7 - Ag⁺, Cu²⁺, Fe²⁺, Fe³⁺, Pb²⁺, Zn²⁺ hydrogen (H⁺), hydroxide (OH⁻), ammonium (NH₄⁺), carbonate (CO₃²⁻), nitrate (NO₃⁻), sulfate (SO₄²⁻).	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 77-100 Required Problems: 1-6 (Pages 83-84) Required Problems: 1-9 (Pages 96-97) Required Problems: 1-9 (Page 100) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
17 - 21 November	Bonding 3.5 – Ionic Bonding understand ionic bonding in terms of electrostatic attractions 3.6 – Ionic Compounds 3.7 Chemical Tests Tests write formulae for compounds formed between the ions listed above draw dot-and-cross diagrams to show the formation of ionic compounds by electron transfer, limited to combinations of elements from Groups 1, 2, 3 and 5, 6, 7. only outer electrons need be shown understand why compounds with giant ionic lattices have high melting and boiling points know that ionic compounds do not conduct electricity when solid, but do conduct electricity when molten and in aqueous solution Unit Test 1	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 77-100 Required Problems: 1-6 (Pages 83-84) Required Problems: 1-9 (Pages 96-97) Required Problems: 1-9 (Page 100) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
24 – 28 November	Gases & Ions Testing 3.7 Chemical Tests know the colours formed in flame tests for these cations: - Li⁺ is red - Na⁺ is yellow - K⁺ is lilac - Ca²⁺ is orange-red - Cu²⁺ is blue-green. describe tests for these cations: - NH₄⁺ using sodium hydroxide solution and identifying the gas evolved - Cu²⁺, Fe²⁺ and Fe³⁺ using sodium hydroxide solution. describe tests for these anions: - Cl⁻, Br⁻ and I⁻ using acidified silver nitrate solution - SO₄²⁻ using acidified barium chloride solution • CO₃²⁻ using hydrochloric acid and identifying the gas evolved	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 190-197 Required Problems: 1-7 (Pages 196-197) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions

1 – 5 December	Chemical Formula, Equations and Calculations (I) write word equations and balanced chemical equations (including state symbols): • for reactions studied in this specification • for unfamiliar reactions where suitable information is provided.	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
8 – 12 December	Chemical Formula, Equations and Calculations (I) calculate relative formula masses (including relative molecular masses) (Mr) from relative atomic masses (Ar) know that the mole (mol) is the unit for the amount of a substance	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
15 – 19 December	Chemical Formula, Equations and Calculations (I) understand how to carry out calculations involving amount of substance, relative atomic mass (Ar) and relative formula mass (Mr)	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
22 – 26 December	Unit Test 2	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Chemical Formula, Equations and Calculations (I) calculate reacting masses using experimental data and chemical equations calculate percentage yield	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions

12 – 16 January	Chemical Formula, Equations and Calculations (I) understand how the formulae of simple compounds can be obtained experimentally, including metal oxides, water and salts containing water of crystallisation	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
19 - 23 January	Chemical Formula, Equations and Calculations (I) know what is meant by the terms empirical formula and molecular formula calculate empirical and molecular formulae from experimental data	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
26 – 30 January	Chemical Formula, Equations and Calculations (II) understand how to carry out calculations involving amount of substance, volume and concentration (in mol/dm³) of solution	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 64-74 Required Problems: 1-18 (Pages 72-74) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
2 – 6 February	Chemical Formula, Equations and Calculations (II) understand how to carry out calculations involving gas volumes and the molar volume of a gas (24 dm³ and 24 000 cm³ at room temperature and pressure (rtp)) practical: know how to determine the formula of a metal oxide by combustion (e.g. magnesium oxide) or by reduction (e.g. copper(II) oxide) Unit Test 3	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 64-74 Required Problems: 1-18 (Pages 72-74) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
9 – 13 February	Semester Project Due Final Review	Reviewing the content from unit test 1, 2 & 3 Unit test 1&2: 20% Unit Test 3: 80% Unit test 1&2: 20% Unit Test 3: 80%
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Computer Mathayom 4

Semester 2/2025-2026 Teacher James Cookson

Date	Contents	Comments/ Remarks
24 October	Introduction to Blender (3D modelling software)	
27-31 October	Blender – Exploring Object mode	
3 - 7 November	Blender – Exploring Edit mode	
10 - 14 November	Blender – Creating 3D models 1	
17 - 21 November	Blender – Creating 3D models 2	
24 – 28 November	Blender – Creating 3D models 3	
1 – 5 December	Blender – Exploring Sculpt mode	
8 – 12 December	Blender – Creating Landscapes	
15 – 19 December	Blender – Midterm Project	
22 – 26 December	Blender – Midterm Project	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Blender – Introduction to Animation	
12 – 16 January	Blender – Walking Animation 1	
19 - 23 January	Blender – Walking Animation 2	
26 – 30 January	Blender – Importing/Exporting models	
2 – 6 February	Blender – Final Project	
9 – 13 February	Blender – Final Project	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Physical Education Mathayom 4

Semester 2/2025-2026 Teacher Benjamin 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	Supplements 101 • Creatine • Caffeine and why it's bad but actually good • Multi-Vitamin	
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	(Western) Boxing • Why it's the safest but also the most dangerous • How to wrap your wrists • Other combat sports explained	
9 – 13 December	Western Boxing Drills • Shadowboxing • Footwork	
16 – 20 December	Western Boxing Drills • Padwork	
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	American Football • Rules & Strategies • 7 on 7 games	
13 – 17 January	Football 2.0 • Handling Drills • Defensive Drills • Live Games	
20 - 24 January	Nutrition 101 • Calculating Caloric Maintenance • Safe Weight loss/gain • “Gaintaing” and why it literally never works except for you	
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	Capture the Flag	
10 – 14 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Anatomy Mathayom 4
Semester 2/2025-2026 Teacher Rick Reinders

Date	Contents	Comments/ Remarks
24 October	<i>Unit 3: Muscular System</i> Types of muscle tissue (skeletal, smooth, cardiac) Structure and function of skeletal muscle	
27-31 October	Sliding filament theory of contraction	
3 - 7 November	Antagonistic muscle pairs and movement	
10 - 14 November	Muscle fatigue, energy supply, and recovery injuries	
17 - 21 November	Common muscle disorders and injuries	
24 – 28 November	<i>Unit 4: Integumentary System</i> Structure and function of skin (epidermis, dermis, subcutaneous tissue)	
1 – 5 December	Accessory structures: hair, nails, sweat glands, sebaceous glands	
8 – 12 December	Functions: protection, temperature regulation, sensory reception, excretion	
15 – 19 December	Wound healing and tissue repair	
22 – 26 December	Common skin conditions and diseases (acne, burns, skin cancer)	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	<i>Unit 5: Endocrine System</i> Overview of endocrine vs. exocrine glands	
12 – 16 January	Major endocrine glands and their hormones (pituitary, thyroid, pancreas, adrenal, gonads)	
19 - 23 January	Hormonal regulation of body processes (growth, metabolism, reproduction, blood glucose)	
26 – 30 January	Feedback mechanisms (negative and positive)	
2 – 6 February	Endocrine disorders (diabetes, hyperthyroidism, hypothyroidism, Cushing's syndrome)	
9 – 13 February	Preparation for final exam and reviewing material	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Biology Mathayom 4

Semester 2/2025-2026 Teacher Rick Reinders

Date	Contents	Comments/ Remarks
24 October	Unit 4 – Transport Transport in Unicellular and Multicellular Organisms	
27-31 October	Transport in Plants	
3 - 7 November	Transport in Animals	
10 - 14 November	The Heart and Circulatory System	
17 - 21 November	Review and Quiz Unit 4	
24 – 28 November	***Pearson Exams Week***	
1 – 5 December	Unit 5 - Excretion Excretion in Plants	
8 – 12 December	Excretory Products in Humans The Kidney and Osmoregulation The Urinary System	
15 – 19 December	The Nephron Regulation of Water Content Composition of Urine	
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	Unit 6 – Coordination and Response Plant Responses	
12 – 16 January	Coordination in Animals Nervous and Hormonal Communication	
19 - 23 January	The Eye and Vision Skin and Temperature Regulation	
26 – 30 January	Hormonal Control	
2 – 6 February	Unit 7 – Reproduction and Inheritance Types of Reproduction Plant Reproduction	
9 – 13 February	Human Reproduction Inheritance and Genetics	
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program
Course Scope for Chemistry Mathayom 4
Semester 2/2025-2026 Teacher Sepehr Massoumi Alamouti

Date	Contents	Comments/ Remarks
24 October	Introduction	Content and Assessment: - Course scope review - Reviewing the objective checklist - Setting goals activity
27-31 October	The Periodic Table 3.1 - The Periodic Table understand how elements are arranged in the Periodic Table: - in order of atomic number - in groups and periods. 3.2 - Electronic Structure understand how to deduce the electronic configurations of the first 20 elements from their positions in the Periodic Table understand how the electronic configuration of a main group element is related to its position in the Periodic Table understand why elements in the same group of the Periodic Table have similar chemical properties understand why the noble gases (Group 0) do not readily react 3.3 - Metals & Non-Metals identify an element as a metal or a non-metal according to its position in the Periodic Table understand how to use electrical conductivity and the acid-base character of oxides to classify elements as metals or non-metals	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 30-37 Required Problems: 1-8 (Pages 36-37) Revision Textbook: Page 24-26 Lab Book: Pages N/A Formative Assessments: The Periodic Table Electron Structure Exam Style Questions
10 - 14 November	Bonding compare and contrast ionic Bonding, Covalent bonding, Metallic Bonding and giant Covalent molecules	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 77-100 Required Problems: 1-6 (Pages 83-84) Required Problems: 1-9 (Pages 96-97) Required Problems: 1-9 (Page 100) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions

10 - 14 November	Bonding 3.4 - Formation of Ions understand how ions are formed by electron loss or gain know the charges of these ions: - metals in Groups 1, 2 and 3 - non-metals in Groups 5, 6 and 7 - Ag⁺, Cu²⁺, Fe²⁺, Fe³⁺, Pb²⁺, Zn²⁺ hydrogen (H⁺), hydroxide (OH⁻), ammonium (NH₄⁺), carbonate (CO₃²⁻), nitrate (NO₃⁻), sulfate (SO₄²⁻).	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 77-100 Required Problems: 1-6 (Pages 83-84) Required Problems: 1-9 (Pages 96-97) Required Problems: 1-9 (Page 100) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
17 - 21 November	Bonding 3.5 – Ionic Bonding understand ionic bonding in terms of electrostatic attractions 3.6 – Ionic Compounds 3.7 Chemical Tests Tests write formulae for compounds formed between the ions listed above draw dot-and-cross diagrams to show the formation of ionic compounds by electron transfer, limited to combinations of elements from Groups 1, 2, 3 and 5, 6, 7. only outer electrons need be shown understand why compounds with giant ionic lattices have high melting and boiling points know that ionic compounds do not conduct electricity when solid, but do conduct electricity when molten and in aqueous solution Unit Test 1	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 77-100 Required Problems: 1-6 (Pages 83-84) Required Problems: 1-9 (Pages 96-97) Required Problems: 1-9 (Page 100) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
24 – 28 November	Gases & Ions Testing 3.7 Chemical Tests know the colours formed in flame tests for these cations: - Li⁺ is red - Na⁺ is yellow - K⁺ is lilac - Ca²⁺ is orange-red - Cu²⁺ is blue-green. describe tests for these cations: - NH₄⁺ using sodium hydroxide solution and identifying the gas evolved - Cu²⁺, Fe²⁺ and Fe³⁺ using sodium hydroxide solution. describe tests for these anions: - Cl⁻, Br⁻ and I⁻ using acidified silver nitrate solution - SO₄²⁻ using acidified barium chloride solution - CO₃²⁻ using hydrochloric acid and identifying the gas evolved	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 190-197 Required Problems: 1-7 (Pages 196-197) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions

1 – 5 December	Chemical Formula, Equations and Calculations (I) write word equations and balanced chemical equations (including state symbols): • for reactions studied in this specification • for unfamiliar reactions where suitable information is provided.	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
8 – 12 December	Chemical Formula, Equations and Calculations (I) calculate relative formula masses (including relative molecular masses) (Mr) from relative atomic masses (Ar) know that the mole (mol) is the unit for the amount of a substance	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
15 – 19 December	Chemical Formula, Equations and Calculations (I) understand how to carry out calculations involving amount of substance, relative atomic mass (Ar) and relative formula mass (Mr)	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
22 – 26 December	Unit Test 2	
29 December – 2 January	***Christmas Holiday***	
5 – 9 January	Chemical Formula, Equations and Calculations (I) calculate reacting masses using experimental data and chemical equations calculate percentage yield	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions

12 – 16 January	Chemical Formula, Equations and Calculations (I) understand how the formulae of simple compounds can be obtained experimentally, including metal oxides, water and salts containing water of crystallisation	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
19 - 23 January	Chemical Formula, Equations and Calculations (I) know what is meant by the terms empirical formula and molecular formula calculate empirical and molecular formulae from experimental data	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 38-63 Required Problems: 1-9 (Pages 60-63) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
26 – 30 January	Chemical Formula, Equations and Calculations (II) understand how to carry out calculations involving amount of substance, volume and concentration (in mol/dm³) of solution	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 64-74 Required Problems: 1-18 (Pages 72-74) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
2 – 6 February	Chemical Formula, Equations and Calculations (II) understand how to carry out calculations involving gas volumes and the molar volume of a gas (24 dm³ and 24 000 cm³ at room temperature and pressure (rtp)) practical: know how to determine the formula of a metal oxide by combustion (e.g. magnesium oxide) or by reduction (e.g. copper(II) oxide) Unit Test 3	Content and Assessment: IGCSE Chemistry Student Textbook: Pages 64-74 Required Problems: 1-18 (Pages 72-74) Revision Textbook: Lab Book: Pages N/A Formative Assessments: Exam Style Questions
9 – 13 February	Semester Project Due Final Review	Reviewing the content from unit test 1, 2 & 3 Unit test 1&2: 20% Unit Test 3: 80%
16 - 19 February	***Final Exams***	

Bangkok Christian College English Immersion Program

Course Scope for Mathematics Mathayom 4 Track 1

Semester 2/2025-2026 Teacher Andrew Joslin

Date	Contents	Comments/ Remarks
20-24 Oct	Equations and Inequalities Graphing Linear and Non-linear inequalities Regions	24 Oct - School Opens
27-31 Oct	Graphs and Transformations Cubics, Quartics, Reciprocals Intersections	
3 - 7 Nov	Graphs and Transformations Shifting and Stretching graphs Transforming functions	
10-14 Nov	Straight Line Graphs Equations of lines, parallel and perpendicular lines	
17-21 Nov	Straight Line Graphs Distance between two points	
24-28 Nov	Trigonometric Ratios Review of Sine, Cosine and Tangent The Cosine Rule	
1-5 Dec	Trigonometric Ratios The Sine Rule Areas of Triangles	5 Dec. - King's Birthday
8-12 Dec	Trigonometric Ratios Solving Triangle problems	10 Dec. - Constitution Day
15-19 Dec	Radians Radian Measure The Unit Circle	
22-26 Dec		25-26 Dec- Christmas Holiday
29 Dec - 2 Jan		29 Dec – 2 Jan Christmas Holiday
5- 9 Jan	Trigonometric Ratios Graphs of Sine, Cosine and Tangent Transforming Trigonometric Graphs	
12-16 Jan	Radians Arc Length Areas of Sectors and Segments	16 Jan – Teacher's Day
19-23 Jan	Differentiation Gradients of Curves Finding the derivative Differentiating x^n	
26-30 Jan	Differentiation Differentiating Quadratics Differentiating functions	
2-6 Feb	Differentiation Gradients, tangents and normal Second order Derivatives	
9-13 Feb	Review	
16-20 Feb	Final Exam Week	