Bangkok Christian College English Immersion Program

Course Scope for Mathematics Mathayom 1

Semester 1/2025-2026 Teacher Gregory Hewes

Date	Contents	Comments/ Remarks
12-16 May	Class Introduction, 1-1 Numerical Expressions, 1-2 Algebraic Expressions, 1-3 Properties of Real Numbers	12 May – Viskha Buscha
19-23 May	1-4 Distributive Property, 1-5 Expressions Involving Absolute Value, 1-6 Descriptive Modelling and Accuracy,	
26-30 May	Basic Unit 1 Review and Test, 2-1 Writing and Interpreting Equations, 2-2 Solving One Step Equations, 2-3 Solving Multi-Step Equations	
2-6 Jun.	2-4 Solving Equations with the Variable on Each Side, 2-5 Solving Equations Involving Absolute Value	2-3 Jun. – Queen Mother's Birthday
9-13 Jun.	2-6 Solving Proportions, 2-7 Using Formulas, Add Unit 1 Review and Test.	
16-20 Jun.	3-1 Representing Relations, 3-2 Functions, 3-3 Linearity and Continuity of Graphs	
23-27 Jun.	3-4 Intercepts of Graphs, 3-5 Shapes of Graphs, 3-6 Sketching Graphs and Comparing Functions	
30 Jun.- 4 Jul.	Basic Unit 2 Review and Test, 4-1 Graphing Linear Functions, 4-2 Rate of Change and Slope	
7-11 Jul.	4-3 Slope-Intercept Form, 4-4 Transformations of Linear Functions	10 Jul – Asalha Bucha
14-18 Jul.	Add Unit 2 Review and Test, 4-5 Arithmetic Sequences, 4-6 Piecewise and Stepwise Functions	
21-25 Jul.	4-7 Absolute Value Functions, Basic Unit 3 Review and Test 5-1 Writing Equations in Slope-Intercept Form	
28 Jul. – 1 Aug.	5-2 Writing Equations in Standard and Point Slope Forms, 5-3 Scatter Plots and Lines of Fit, 5-4 Correlation and Causation.	28 Jul. – King's Birthday
4-8 Aug.	5-5 Linear Regression and Best Fit Lines, 5-6 Inverses of Linear Functions, Add Unit 3 Review and Test	
11-15 Aug.	6-1 Solving One-Step Inequalities by Addition & Subtraction, 6-2 Solving Multi-Step Inequalities, 6-3 Solving Compound Inequalities	11-12 Aug. – Queen's Birthday
18-22 Aug.	6-4 Solving Absolute Value Inequalities, 6-5 Graphing Inequalities in Two Variables, Basic Unit 4 Review and Test	
25-29 Aug.	7-1 – Graphing Systems of Equations, 7-2 Substitution, 7-3 Elimination using Addition and Subtraction	
1-5 Sept.	7-4 Elimination using Multiplication, 7-5 Systems of Inequalities, Add Unit 4 Review and Test	
8-12 Sept.	Final Exam Review Week	
15-19 Sept.	**Final Exam Week**	

Bangkok Christian College English Immersion Program

Course Scope for Science Mathayom 1

Semester 1/2025-2026 Teacher Stephen Welch

Date	Contents	Comments/ Remarks
12 - 16 May	Introductions, Classroom Expectations, Syllabus, other Logistical Stuff Scientific Philosophy – How to think like a scientist. Critical analysis and informed investigation vs. blind acceptance of established "facts."	
19 - 23 May	Fields of Science & Levels of Reality (Particles to Cosmos)	
26 – 30 May	Introduction to Energy & Forces (Quantitative vs. Qualitative Properties, Kinetic vs. Potential Energy, specific forms of energy, fields)	
2 – 6 June	Force Demonstrations, lab work?	
9 – 13 June	Matter (Subatomic Particles, Atoms, very low resolution concept of quanta, four fundamental forces, elements, periodic table)	
16 – 20 June	Energy II: Electricity, Magnets, Light, Sound	
23 – 27 June	Energy II Demonstrations and Labs	
30 June - 4 July	Chemistry (Bonding, chemical reactions, molecules, acid-bases, hydrocarbons, low resolution biochemistry)	
7 - 11 July	Chemistry Demonstrations and Labs	
14 -18 July	Review & Midterm Test	
21 – 25 July	Biological Macromolecules (Carbohydrates, Proteins, Lipids, Nucleic Acids, basic metabolism, nutrition, basic genetics)	
28 July- 1 August	Cells (organelles, different types, prokaryote vs. eukaryote)	
4 - 8 August	Biological Taxonomy (species concept, methods of classification and grouping, overview of major kingdoms)	
11 – 15 August	Ecology (bioenergy flow, foodwebs, biotic vs abiotic concept, Gaia hypothesis, ecosystem management)	
18 - 22 August	Outdoor Ecology Lab (Data Collection, in class Lab Report)	
25 - 29 August	Time Padding week (Almost certainly going to need it due to disruptions, doubt I'll even be able to cover everything listed above anyway, some of it is likely to be kicked into semester II)	
1 - 5 September	Review & Final Project Presentations	
8 - 12 September	Review & Final Project Presentations	
15 -19 September	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for Computing Science Mathayom 1

Semester 1/2025-2026 Teacher Dean Landucci

Date	Contents	Comments/ Remarks
12 - 16 May	A welcome introduction to the computer room. Classroom rules. Set up passwords, login, accessing Microsoft 365. Enroll in the Teams channel.	
19 - 23 May	Syllabus Cambridge IGCSE document creation. Microsoft 365 cloud computing – Word online document creation. Task 1-3. Create, label, and source online documents. Create and modify tables.	
26 – 30 May	Word online document creation. Tasks 4-5, formatting text, working with images, researching and formatting text from a web page.	
2 – 6 June	Word online document creation. Task 6-8, Editor and spell checking. Using an editor to check document content. Using bullets, lists, headers, and inserting page numbers.	
9 – 13 June	Microsoft 365 Suite. Excel online task 1, opening and saving a document. Excel code game orientation in work environment and tools.	
16 – 20 June	Microsoft 365 Suite. Excel online tasks 2-3, creating, and labeling new worksheets. Formatting tools, text, and using borders.	
23 – 27 June	Microsoft 365 Suite. Excel online tasks 4-5, using formulas max, sum, min, and average. Changing numbers to currency, time, or measurements	
30 June - 4 July	Midterm quiz – Microsoft Online Office, Word, and Excel document creation. Competence in user interface labeling and saving work.	
7 - 11 July	Microsoft 365 Suite. Excel online task 6, creation of statistics and charts. Creation of data charts, different charts, and functions. Reading data from charts.	
14 -18 July	Microsoft 365 Suite. Excel online task 7, work review, Creation of shared link, attaching online document shared links to a Microsoft Teams assignment.	
21 – 25 July	Graphic creation Adobe Photoshop. Creation of a custom Power Point slide. Understanding on, a new canvas, using measurements of pixels. Auto shapers, fill effects, exporting in .jpg format.	
28 July- 1 August	Work development, Exporting Photoshop projects in .jpg using the correct canvas size and DPI.	
4 - 8 August	Microsoft 365 Suite. PowerPoint tasks 1-2, creation, and labeling a new PowerPoint project.	
11 – 15 August	Microsoft 365 Suite. PowerPoint tasks 3-4, concepts of inserting deleting slides, and choosing design templates. smart art, working with images.	
18 - 22 August	Microsoft 365 Suite. PowerPoint tasks 5-6, background, animation. Using custom graphics from Photoshop to create a custom background. Design elements, working with text and images.	
25 - 29 August	Microsoft 365 Suite. PowerPoint tasks 7-8, research topic. Sourcing information from the web site. Formatting text, using animations and presentation effects to create a slide show.	
1 - 5 September	Microsoft 365 Suite creation of shared link – student presentations for class. Extra slide animations, multimedia elements plugins for the slides.	
8 - 12 September	Final Semester Quiz – Microsoft Office, operational knowledge of documents, workbooks and presentation creation. Storing, retrieving, and archiving works from OneDrive.	
15 -19 September	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for FE Science Mathayom 1

Semester 1/2025-2026 Teacher Stephen Welch

Date	Contents	Comments/ Remarks
12 - 16 May	Introductions, Classroom Expectations, Semester Roadmap. Grades will be based on participation in in-class activities and behavior	
19 - 23 May	Further coverage of important info followed by beginning in-class activities	
26 – 30 May	In class activities + Microscopy Demonstration (plant cells)	
2 – 6 June	In class activities + Microscopy Demonstration (animal cells)	
9 – 13 June	In class activities + Microscopy Demonstration (sample collection)	
16 – 20 June	In class activities + Microscopy Demonstration (slide preparation)	
23 – 27 June	In class activities + Fungal Plating sample collection	
30 June - 4 July	In class activities + Flow Hood demonstration and sample preparation	
7 - 11 July	In class activities + Fungal sample observation (dissection scope), colony isolation?	
14 -18 July	In class activities + Four Fundamental Forces Lesson	
21 – 25 July	In class activities + Four Fundamental Forces Lesson (continued)	
28 July- 1 August	In class activities + Electromagnetism demonstration – Tesla's plasma globe	
4 - 8 August	In class activities + Geomagnetism, earthing demonstration (out of classroom)	
11 – 15 August	In class activities + Piezoelectricity Lesson (demonstration if materials can be acquired)	
18 - 22 August	In class activities + Sound Resonance demonstration, "can sound heal?" – tuning forks	
25 - 29 August	In class activities + Some chemistry demonstration (TBD)	
1 - 5 September	In class activities + Some chemistry demonstration (TBD)	
8 - 12 September	In class activities + Dissections	
15 -19 September	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for Health and Physical Education Mathayom 1

Semester 1/2025-2026 Teacher Benjamin Peter Fishman

Date	Contents	Comments/ Remarks
12 - 16 May	Teacher Introduction	
19 - 23 May	Course Theme Introduction	
26 – 30 May	Biodata collection week	
2 – 6 June	Football rules overview	
9 – 13 June	Football drills	
16 – 20 June	Football scrimmage	
23 – 27 June	Basketball rules overview	
30 June - 4 July	Basketball drills	
7 - 11 July	Basketball scrimmage	
14 -18 July	Nutrition lesson	
21 – 25 July	Nutrition quiz	
28 July- 1 August	Football scrimmage	
4 - 8 August	Calisthenics, aerobic	
11 – 15 August	Calisthenics pt.2, anaerobic	
18 - 22 August	Local Sports project intro	
25 - 29 August	Local Sports project	
1 - 5 September	Local Sports project presentation	
8 - 12 September	Course theme debrief	
15 -19 September	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope Fundamental English/Our Daily Life Mathayom 1

Semester 1/2025–2026 Teacher Miles Long

Date	Contents	Comments/ Remarks
12 - 16 May	Teacher/student introductions. Go over class rules, grading system, and course outline. Set learning goals. Initial assessment of students' English proficiency. Icebreaker speaking activities.	12 May Visakha Bucha
19 - 23 May	**Unit 1-1 Survival**: Identifying key ideas in a text. Summarizing information. Exploring vocabulary choices in descriptive writing. Understanding sentence structures for effect. Assessment: Answering questions on a short extract and writing a short descriptive/narrative text.	
26 - 30 May	**Unit 1-2 Survival:** Understanding a writer's viewpoint. Exploring non-fiction texts. Comparing texts and analyzing informational writing. Assessment: Writing an informational text about personal experiences.	
2 - 6 June	**Unit 1-3 Survival:** Exploring letter writing conventions. Reviewing and revising writing for clarity. Using adverbials of time effectively. Assessment: Answering comprehension questions and writing a personal letter.	Queen's Birthday 2-3 June
9 – 13 June	**Unit 1-4 Survival:** Sentence structure for effect. Exploring the writer's intention. Understanding conjunctions and dependent/independent clauses. Writing structured responses.	
16 – 20 June	**Unit 1-5 Survival:** Mid-unit assessment. Exploring editorial and argument writing. Identifying and linking key points in a text. Developing persuasive writing techniques.	
22 – 27 June	**Unit 1-6 Survival:** Using emotive language and rhetorical devices in writing. Understanding subject-verb agreement. Assessment: Students write an argument text.	
30 June - 4 July	**Unit 1-7 Survival:** Exploring newspaper reports, chronological structures, and vocabulary choices. Writing in past and present tenses. Assessment: Students write a news article about a dramatic event.	
7 - 11 July	**Unit 1-8 Survival:** Comparing and contrasting texts. Selecting evidence and using adverbials of comparison. Assessment: Students compare key points from two extracts.	10 July Asalha Bucha

14 - 18 July	**Unit 1-9 Survival:** Punctuation, common verb suffixes, proofreading, and vocabulary choice. Avoiding repetition in writing. Assessment: Unit 1 test.	
21 – 25 July	**Unit 2-1 Danger:** Exploring leaflets and skimming techniques. Combining key points of information. Assessment: Students research a natural disaster using skimming/scanning skills and summarize key facts.	
28 July - 1 August	**Unit 2-2 Danger:** Writing tense descriptions. Understanding words in context. Identifying and combining key points. Assessment: Students write two paragraphs describing their feelings about a personal challenge or competition.	28 July King's Birthday
4 - 8 August	**Unit 2-3 Danger:** Summarizing key information. Identifying key points in a text. Linking clauses with conjunctions. Assessment: Students summarize a story from bullet points of its main events.	
11 – 15 August	**Unit 2-4 Danger:** Comparing key points in different texts. Identifying important details. Understanding pronouns and their use for clarity. Assessment: Students write a comparison of two extracts.	12 August Mother's Day
18 - 22 August	**Unit 2-5 Danger:** Retrieving information and making inferences. Using direct quotations to support interpretations. Assessment: Students write two paragraphs expressing their thoughts and feelings the night before a major event (implying emotions effectively).	
25 - 29 August	**Unit 2-6 Danger:** Exploring first responses to a text. Identifying a writer's intention. Exploring synonyms and antonyms. Assessment: Students write a personal response to an extract.	
1 - 5 September	**Unit 2-7 Danger:** Supporting responses with evidence. Exploring setting and character development in narratives. Assessment: Students write an essay about their three favorite stories/films, explaining why they enjoyed them.	
8 - 12 September	Final Exam Week	

Bangkok Christian College English Immersion Program
Course Scope for English Social Studies Mathayom 1
Semester 1/2025-2026 Teacher Rick Diaz

Date	Contents	Comments/ Remarks
12 - 16 May	Lesson 1 – Course Introduction – Teams, Resources, Expectations, Rules, Policies Lesson 2 – 1.1 Welcome to Geography	12 May Visakha Bucha
19 - 23 May	Lesson 1 – 1.2 What's in your geography kit? Lesson 2 – 1.2 Working with GIS and different types of maps	
26 - 30 May	Lesson 1 – 2.1 Mapping through the ages I Lesson 2 – 2.1 Mapping through the ages II	
2 - 6 June	Lesson 1 – 2.2 Plans and Scale Lesson 2 – 2.3 The maps in your head	Queen's Birthday 2-3 June
9 – 13 June	Lesson 1 – 2.5 Using grid references Lesson 2 – 2.8 How High? (mapping high, altitude, and sea level)	
16 – 20 June	Lesson 1 – 2.8 How High? (mapping high, altitude, and sea level) Lesson 2 – 2.9 Where on Earth? (Latitude and Longitude)	
22 – 27 June	Lesson 1 – 2.9 Where on Earth? (Latitude and Longitude) Lesson 2 – Exam Units 1 -2	
30 June - 4 July	Lesson 1 – 3.2 It's a jigsaw (Land Divisions) Lesson 2 – 3.4 Who we are., 3.5 Where do we live? (Population and migration)	
7 - 11 July	Lesson 1 – 4.1 Your place…20000 years ago! I Lesson 2 – 4.1 Your place…20000 years ago! II (Milankovitch Cycles)	10 July Asalha Bucha
14 - 18 July	Lesson 1 – 4.2 Glaciers: what and where? I Lesson 2 – 4.2 Glaciers: what and where? II (Ice Sheets, Ice Shelves, Icebergs)	
21 – 25 July	Lesson 1 – 4.3 How do ice sheets shape the land? I (Erosion, deposition, transport) Lesson 2 – 4.3 How do ice sheets shape the land? II (Abrasion, plucking, frost wedging)	
28 July - 1 August	Lesson 1 – 4.4/5 Landforms shaped by erosion Lesson 2 – 4.6 Landforms created by deposition I	28 July King's Birthday
4 - 8 August	Lesson 1 – 4.6 Landforms created by deposition II Lesson 2 – Exam – Unit 4 Glaciers	
11 – 15 August	Lesson 1 – 5.1 Meet River Thames Lesson 2 - 5.2 The water cycle at work	12 August Mother's Day
18 - 22 August	Lesson 1 – 5.3 Rivers, a closer look (Day 1) Lesson 2 - 5.3 Rivers, a closer look (Day 2)	
25 - 29 August	Lesson 1 – 5.4 How do rivers shape the land? Lesson 2 - 5.5 Landforms created by rivers	
1 - 5 September	↑ GAP WEEK ↓ **(Movable due to unforeseen / unannounced schedule changes)** ↑May – August↓	
8 - 12 September	**Final Exam Review Week**	

Bangkok Christian College English Immersion Program
Course Scope for English Social Studies Mathayom 1
Semester 1/2025-2026 Teacher Rick Diaz

Date	Contents	Comments/ Remarks
12 - 16 May	Lesson 1 – Course Introduction – Teams, Resources, Expectations, Rules, Policies Lesson 2 – 1.1 Welcome to Geography	12 May Visakha Bucha
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2 - 6 June	Lesson 1 – 2.2 Plans and Scale Lesson 2 – 2.3 The maps in your head	Queen's Birthday 2-3 June
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1 - 5 September	↑ GAP WEEK ↓ **(Movable due to unforeseen / unannounced schedule changes)** ↑May – August↓	
8 - 12 September	**Final Exam Review Week**	

Bangkok Christian College English Immersion Program

Course Scope for FE Science Mathayom 1

Semester 1/2025-2026 Teacher Stephen Welch

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12 - 16 May	Introductions, Classroom Expectations, Semester Roadmap. Grades will be based on participation in in-class activities and behavior	
19 - 23 May	Further coverage of important info followed by beginning in-class activities	
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4 - 8 August	In class activities + Geomagnetism, earthing demonstration (out of classroom)	
11 – 15 August	In class activities + Piezoelectricity Lesson (demonstration if materials can be acquired)	
18 - 22 August	In class activities + Sound Resonance demonstration, “can sound heal?” – tuning forks	
25 - 29 August	In class activities + Some chemistry demonstration (TBD)	
1 - 5 September	In class activities + Some chemistry demonstration (TBD)	
8 - 12 September	In class activities + Dissections	
15 -19 September	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope Fundamental English/Our Daily Life Mathayom 1

Semester 1/2025–2026 Teacher Miles Long

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25 - 29 August	**Unit 2-6 Danger:** Exploring first responses to a text. Identifying a writer's intention. Exploring synonyms and antonyms. Assessment: Students write a personal response to an extract.	
1 - 5 September	**Unit 2-7 Danger:** Supporting responses with evidence. Exploring setting and character development in narratives. Assessment: Students write an essay about their three favorite stories/films, explaining why they enjoyed them.	
8 - 12 September	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for Computing Science Mathayom 1

Semester 1/2025-2026 Teacher Dean Landucci

Date	Contents	Comments/ Remarks
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2 – 6 June	Word online document creation. Task 6-8, Editor and spell checking. Using an editor to check document content. Using bullets, lists, headers, and inserting page numbers.	
9 – 13 June	Microsoft 365 Suite. Excel online task 1, opening and saving a document. Excel code game orientation in work environment and tools.	
16 – 20 June	Microsoft 365 Suite. Excel online tasks 2-3, creating, and labeling new worksheets. Formatting tools, text, and using borders.	
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30 June - 4 July	Midterm quiz – Microsoft Online Office, Word, and Excel document creation. Competence in user interface labeling and saving work.	
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14 -18 July	Microsoft 365 Suite. Excel online task 7, work review, Creation of shared link, attaching online document shared links to a Microsoft Teams assignment.	
21 – 25 July	Graphic creation Adobe Photoshop. Creation of a custom Power Point slide. Understanding on, a new canvas, using measurements of pixels. Auto shapers, fill effects, exporting in .jpg format.	
28 July- 1 August	Work development, Exporting Photoshop projects in .jpg using the correct canvas size and DPI.	
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18 - 22 August	Microsoft 365 Suite. PowerPoint tasks 5-6, background, animation. Using custom graphics from Photoshop to create a custom background. Design elements, working with text and images.	
25 - 29 August	Microsoft 365 Suite. PowerPoint tasks 7-8, research topic. Sourcing information from the web site. Formatting text, using animations and presentation effects to create a slide show.	
1 - 5 September	Microsoft 365 Suite creation of shared link – student presentations for class. Extra slide animations, multimedia elements plugins for the slides.	
8 - 12 September	Final Semester Quiz – Microsoft Office, operational knowledge of documents, workbooks and presentation creation. Storing, retrieving, and archiving works from OneDrive.	
15 -19 September	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for Mathematics Mathayom 1

Semester 1/2025-2026 Teacher Gregory Hewes

Date	Contents	Comments/ Remarks
12-16 May	Class Introduction, 1-1 Numerical Expressions, 1-2 Algebraic Expressions, 1-3 Properties of Real Numbers	12 May – Viskha Buscha
19-23 May	1-4 Distributive Property, 1-5 Expressions Involving Absolute Value, 1-6 Descriptive Modelling and Accuracy,	
26-30 May	Basic Unit 1 Review and Test, 2-1 Writing and Interpreting Equations, 2-2 Solving One Step Equations, 2-3 Solving Multi-Step Equations	
2-6 Jun.	2-4 Solving Equations with the Variable on Each Side, 2-5 Solving Equations Involving Absolute Value	2-3 Jun. – Queen Mother's Birthday
9-13 Jun.	2-6 Solving Proportions, 2-7 Using Formulas, Add Unit 1 Review and Test.	
16-20 Jun.	3-1 Representing Relations, 3-2 Functions, 3-3 Linearity and Continuity of Graphs	
23-27 Jun.	3-4 Intercepts of Graphs, 3-5 Shapes of Graphs, 3-6 Sketching Graphs and Comparing Functions	
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7-11 Jul.	4-3 Slope-Intercept Form, 4-4 Transformations of Linear Functions	10 Jul – Asalha Bucha
14-18 Jul.	Add Unit 2 Review and Test, 4-5 Arithmetic Sequences, 4-6 Piecewise and Stepwise Functions	
21-25 Jul.	4-7 Absolute Value Functions, Basic Unit 3 Review and Test 5-1 Writing Equations in Slope-Intercept Form	
28 Jul. – 1 Aug.	5-2 Writing Equations in Standard and Point Slope Forms, 5-3 Scatter Plots and Lines of Fit, 5-4 Correlation and Causation.	28 Jul. – King's Birthday
4-8 Aug.	5-5 Linear Regression and Best Fit Lines, 5-6 Inverses of Linear Functions, Add Unit 3 Review and Test	
11-15 Aug.	6-1 Solving One-Step Inequalities by Addition & Subtraction, 6-2 Solving Multi-Step Inequalities, 6-3 Solving Compound Inequalities	11-12 Aug. – Queen's Birthday
18-22 Aug.	6-4 Solving Absolute Value Inequalities, 6-5 Graphing Inequalities in Two Variables, Basic Unit 4 Review and Test	
25-29 Aug.	7-1 – Graphing Systems of Equations, 7-2 Substitution, 7-3 Elimination using Addition and Subtraction	
1-5 Sept.	7-4 Elimination using Multiplication, 7-5 Systems of Inequalities, Add Unit 4 Review and Test	
8-12 Sept.	Final Exam Review Week	
15-19 Sept.	**Final Exam Week**	

Bangkok Christian College English Immersion Program

Course Scope for Health and Physical Education Mathayom 1

Semester 1/2025-2026 Teacher Benjamin Peter Fishman

Date	Contents	Comments/ Remarks
12 - 16 May	Teacher Introduction	
19 - 23 May	Course Theme Introduction	
26 – 30 May	Biodata collection week	
2 – 6 June	Football rules overview	
9 – 13 June	Football drills	
16 – 20 June	Football scrimmage	
23 – 27 June	Basketball rules overview	
30 June - 4 July	Basketball drills	
7 - 11 July	Basketball scrimmage	
14 -18 July	Nutrition lesson	
21 – 25 July	Nutrition quiz	
28 July- 1 August	Football scrimmage	
4 - 8 August	Calisthenics, aerobic	
11 – 15 August	Calisthenics pt.2, anaerobic	
18 - 22 August	Local Sports project intro	
25 - 29 August	Local Sports project	
1 - 5 September	Local Sports project presentation	
8 - 12 September	Course theme debrief	
15 -19 September	Final Exam Week	

Bangkok Christian College English Immersion Program

Course Scope for Science Mathayom 1

Semester 1/2025-2026 Teacher Stephen Welch

Date	Contents	Comments/ Remarks
12 - 16 May	Introductions, Classroom Expectations, Syllabus, other Logistical Stuff Scientific Philosophy – How to think like a scientist. Critical analysis and informed investigation vs. blind acceptance of established "facts."	
19 - 23 May	Fields of Science & Levels of Reality (Particles to Cosmos)	
26 – 30 May	Introduction to Energy & Forces (Quantitative vs. Qualitative Properties, Kinetic vs. Potential Energy, specific forms of energy, fields)	
2 – 6 June	Force Demonstrations, lab work?	
9 – 13 June	Matter (Subatomic Particles, Atoms, very low resolution concept of quanta, four fundamental forces, elements, periodic table)	
16 – 20 June	Energy II: Electricity, Magnets, Light, Sound	
23 – 27 June	Energy II Demonstrations and Labs	
30 June - 4 July	Chemistry (Bonding, chemical reactions, molecules, acid-bases, hydrocarbons, low resolution biochemistry)	
7 - 11 July	Chemistry Demonstrations and Labs	
14 -18 July	Review & Midterm Test	
21 – 25 July	Biological Macromolecules (Carbohydrates, Proteins, Lipids, Nucleic Acids, basic metabolism, nutrition, basic genetics)	
28 July- 1 August	Cells (organelles, different types, prokaryote vs. eukaryote)	
4 - 8 August	Biological Taxonomy (species concept, methods of classification and grouping, overview of major kingdoms)	
11 – 15 August	Ecology (bioenergy flow, foodwebs, biotic vs abiotic concept, Gaia hypothesis, ecosystem management)	
18 - 22 August	Outdoor Ecology Lab (Data Collection, in class Lab Report)	
25 - 29 August	Time Padding week (Almost certainly going to need it due to disruptions, doubt I'll even be able to cover everything listed above anyway, some of it is likely to be kicked into semester II)	
1 - 5 September	Review & Final Project Presentations	
8 - 12 September	Review & Final Project Presentations	
15 -19 September	Final Exam Week	