



# Bangkok Christian College English Immersion Program

## Course Scope for Science & Technology Mathayom 2

Semester 1/2024-2025 Teacher Declan Lightowler



<b>Date</b>	<b>Contents</b>	<b>Comments/ Remarks</b>
13 - 17 May	Introduction and Course Outline	
20 - 24 May	The nature and variety of living organisms: Characteristics of living organisms	
27-31 May	The nature and variety of living organisms: Variety of living organisms	
3-7 June	Structure and functions in living organisms: Level of organisation, cell structure, biological molecules, movement of substances in/out of cells	
10 – 14 June	Structure and functions in living organisms: Nutrition	
17 – 21 June	Structure and functions in living organisms: Respiration, Gas exchange and Transport	
24 – 28 June	Structure and functions in living organisms: Excretion, co-ordination and Response	
1-5 July	Energy resources and energy transfers: Energy stores and transfers	
8-12 July	Energy resources and energy transfers: Real-life examples	
15-19 July	Energy resources and energy transfers: Conservation of Energy and Work Done (Energy Transferred)	
22 – 26 July	Energy resources and energy transfers: Power, Efficiency and Pressure	
29 July- 2 August	Energy Resources: Generating Electricity from Fuels	
5 - 9 August	Energy Resources: Non-renewable Energy	
12 – 16 August	Energy Resources: Renewable Energy	
19 - 23 August	Energy Resources: Project	
26 - 30 August	Principles of chemistry: States of matter	
2-6 September	Principles of chemistry: Elements, compounds and mixtures	
9 -13 September	Principles of chemistry: Atomic Structure	
16 -20 September	Final Exam Week	



**Bangkok Christian College English Immersion Program**  
**Course Scope for English Mathayom 2**  
**Semester 1/2024-2025 Teacher Michael Ryan**



<b>Date</b>	<b>Contents</b>	<b>Comments/ Remarks</b>
<b>13 - 17 May</b>	Read two story extracts to compare, identify key points, use active/passive voices, and think about characters.	
<b>20 - 24 May</b>	Read a novel extract for comprehension, inference, and character identification. Create and describe a villain. Read a short story extract to track key events, identify story elements and word classes. Review parts of speech.	22 May Visakha Bucha
<b>27-31 May</b>	Short story opening, inference, response. Critical review of a fictional extract. Review verb tenses. Write an opening.	
<b>3-7 June</b>	Use of apostrophes, ideas and intentions, structure and planning of a short story. Read, compare and contrast three story synopses. Identify and respond to story endings. Colons and semi-colons. Write a story ending.	
<b>10 – 14 June</b>	Read short story extract to practice identification, ways of telling a story, verbs, and adverbs; and write a short story extract. Read short story opening and practice skills with short and long sentences, building sentences, experiment with structure.	
<b>17 – 21 June</b>	Identify homophones, use irregular past tenses, build skills with proofreading and vocabulary review. Conjunctions and relationships, sentence structure review. Plan, write, review, and revise a short story.	
<b>24 – 28 June</b>	Informative poster (as literature) to identify, link and compare ideas; use imperatives, parts of speech and writing persuasively Read an extract from a webpage for reading comprehension, and to practice skills with inference, connotations, persuasive vocabulary and writing persuasively on your own.	
<b>1-5 July</b>	Read an extract from a webpage for message identification, writer’s intention and target audience, punctuation, and quotations, and commenting on the writer’s choices. Read an extract from a webpage to identify intentions, choosing best evidence, structure a critical response, exploring emotive and dramatic vocabulary choices, and writing a response.	
<b>8-12 July</b>	Read a leaflet and write a critical response to it. Practice skills of reading, exploring elements of persuasion, giving orders and conditions, using demonstrative pronouns, and writing persuasive paragraphs of your own.	
<b>15-19 July</b>	Read webpage extract to practice skills with structure, using determiners, responding to, and planning text. Read webpage extract to practice skills with persuasive ideas, considering vocabulary effects, sentence types, reader reactions and developing an appropriate response	
<b>22 – 26 July</b>	Read a fact sheet about not smoking, to practice skills in identifying persuasive ideas and rhetorical devices, use of commas in list-making, and creating rhetorical devices. Read a webpage extract to practice skills with sentence structure, writer's intention, and rhetorical devices.	
<b>29 July- 2 August</b>	Read a newspaper article for comprehension and to practice the skills required in writing a critical response.	29 July King's Birthday
<b>5 - 9 August</b>	Read a newspaper article and practice skills of identifying key features and ideas, explore structure and plan an argument. Read a webpage to practice inference, explore nouns, use “silent” consonants and argue a point of view	
<b>12 – 16 August</b>	Read webpage and practice skills in selecting adjectives and adverbs, using “silent” vowels, building noun phrases, and adding impact to an argument. Students complete an assessment by reading a webpage, then answering comprehension questions and writing an argument.	12 August Mother’s Day
<b>19 - 23 August</b>	Students read a newspaper article and practice the skills of identifying evidence, identifying, and sequencing points, examples, and comments, linking points with adverbials, and building a paragraph. Students read an	

	article. They practice the skills of identifying ideas and intentions, exploring, and writing sentences, and using dashes and semi-colons.	
<b>26 - 30 August</b>	Students read an introduction to a book and answer comprehension questions. They practice the skills of exploring and using rhetorical devices, using apostrophes, and adding impact to their ideas. Students read extracts from two texts and answer comprehension questions on them. They practice the skills of exploring an introduction, engaging readers, exploring conclusions, writing in a formal register, and writing introductions and conclusions.	
<b>2-6 September</b>	Students practice the skills of checking for key features, reviewing vocabulary and sentence structure, and looking for errors. Students complete an assessment by planning, writing, and reviewing and revising an article.	
<b>9 -13 September</b>	Review Week	
<b>16 -20 September</b>	First Semester Final Exams Week	



# Bangkok Christian College English Immersion Program

## Course Scope for PE Mathayom 2

Semester 1/2024-2025 Teacher Colleen Steinbring



Date	Contents	Comments/ Remarks
13-17 May	<ul style="list-style-type: none"> <li>• Ice-Breaker/Introduction</li> <li>• What you want out of PE?</li> </ul>	
20-24 May	<ul style="list-style-type: none"> <li>• Pre-Fitness Test 1 - Full length field sprint</li> </ul>	22 May – Visakha Bucha
27 May – 31 May	<ul style="list-style-type: none"> <li>• Sport of Survey Choice 1/4               <ul style="list-style-type: none"> <li>○ History of sport</li> <li>○ Famous players</li> <li>○ Academic work (player, team, etc.)</li> <li>○ Drills for sport</li> </ul> </li> </ul>	
3-7 June	<ul style="list-style-type: none"> <li>• Health - Social Etiquette</li> <li>• Play Sport of Survey Choice 1/4</li> </ul>	3 June – Queen’s Birthday
10-14 June	<ul style="list-style-type: none"> <li>• Pre-Fitness Test 2 - HIIT</li> </ul>	
17-21 June	<ul style="list-style-type: none"> <li>• Health - Eating for Goals</li> </ul>	
24 June – 28 June	<ul style="list-style-type: none"> <li>• Sport of Survey Choice 2/4               <ul style="list-style-type: none"> <li>○ History of sport</li> <li>○ Famous players</li> <li>○ Academic work (player, team, etc.)</li> <li>○ Drills for sport</li> </ul> </li> </ul>	
1-5 July	<ul style="list-style-type: none"> <li>• Post-Fitness Test 1 - Full length field sprint</li> </ul>	
8-12 July	<ul style="list-style-type: none"> <li>• Health - Fitness Program</li> </ul>	
15-19 July	<ul style="list-style-type: none"> <li>• Play Sport of Survey Choice 2/4</li> </ul>	
22-26 July	<ul style="list-style-type: none"> <li>• Post-Fitness Test 2 - HIIT</li> <li>• Fitness Game</li> </ul>	22 July - Buddhist Lent  Jul 29 - King’s Birthday
29 July – 2 Aug	<ul style="list-style-type: none"> <li>• Sport of Survey Choice 3/4               <ul style="list-style-type: none"> <li>○ History of sport</li> <li>○ Famous players</li> <li>○ Academic work (player, team, etc.)</li> <li>○ Drills for sport</li> </ul> </li> </ul>	
5-9 Aug.	<ul style="list-style-type: none"> <li>• Health - Stress</li> </ul>	
12-16 Aug.	<ul style="list-style-type: none"> <li>• Fitness Game               <ul style="list-style-type: none"> <li>○ Outdoor Tic-Tac-Toe</li> <li>○ Capture the Flag</li> </ul> </li> <li>• Play Sport of Survey Choice 3/4</li> </ul>	12 Aug – Mother’s Day
19 Aug. – 23 Aug.	<ul style="list-style-type: none"> <li>• Sport of Survey Choice 4/4               <ul style="list-style-type: none"> <li>○ History of sport</li> <li>○ Famous players</li> <li>○ Academic work (player, team, etc.)</li> <li>○ Drills for sport</li> </ul> </li> </ul>	
26 Aug – 30 Aug.	<ul style="list-style-type: none"> <li>• Play Sport of Survey Choice 4/4</li> </ul>	
2-6 Sept.	<ul style="list-style-type: none"> <li>• Review for Final Exam</li> <li>• Play new sport</li> </ul>	
9-13 Sept	<b>In class Final Exam</b>	
16-20 Sept	<b>Final Exam Week</b>	



# Bangkok Christian College English Immersion Program

## Course Scope for Computing Science Mathayom 2

Semester 1/2024-2025 Teacher Dean Landucci



Date	Contents	Comments/ Remarks
13 - 17 May	Syllabus Cambridge IGCSE Information and Communication Technology Unite 12 Images; place and edit an image, file size reeducation, application, create an image, or edit existing image files.	
20 - 24 May	Composition in photography. Creation of mood and tone. Construction of an image, pixel count, file compression, and formats.	
27-31 May	Photo capture for graphical application. Understanding of frame, compositions, subject matter, and negative space. Student Photo Treasure Hunt	
3-7 June	Review and feedback on photo materials. Introduction to typography. Use of font for attraction, mood tone, and legibility.	
10 – 14 June	Haiku Poems. Students publish 4 pomes on given themes. Looking at Haiku poetry in graphic images. Use of imagery to convey themes and tones of the poems.	
17 – 21 June	Adobe Photoshop graphic creation. The student uses their Haiku Poems and applies typography principles to their photo to create graphical works.	
24 – 28 June	Export graphical designs. Settings for optimal resolution, compression, and format.	
1-5 July	Cambridge IGCSE ICT Graham Brown. Unit Storage Devices and Media. Supplement worksheet; types of digital storage; magnetic, optical, flash memory.	
8-12 July	Midterm quiz – ICT (Second Edition) By Graham Brown and David Watson Unit 3-4	
15-19 July	Binary data types, input using a 2-digit ASCII representation of the characters in the hexadecimal range of 0-9, A-F.	
22 – 26 July	Introduction to computing coding. Analyzing HTML code for various command structures. Common command symbols and meaning.	
29 July- 2 August	Cloud computing and networking. Share documents and co-author programs. Utilizing Microsoft 365 student accounts to produce work answer sheets for supplement questions using a cloud ecosystem	
5 - 9 August	Students use online documents for answer sheets to supplement worksheets. Create shared links, send work, and receive corrections and comments through shared documents publication tools.	
12 – 16 August	Present work, and review questions and answers. Assist in any online documents that are not linked or produced with Microsoft 365 applications.	
19 - 23 August	Coding using a graphical interface. Understanding of code blocks in terms of color, shape to operational value..	
26 - 30 August	Creation of an animated design, select, stack, run, review and adjust operations.	
2-6 September	Export and share projects. Looking at other export file formats to be used in other applications, .stl or .obj	
9 -13 September	Final quiz – Interface Adobe Ps, codebook, ICT (Second Edition) By Graham Brown and David Watson Unit 3-4	
16 -20 September	Final Exam Week	



# Bangkok Christian College English Immersion Program

## Course Scope for Mathematics – Geometry Mathayom 2

Semester 1/2024-2025 Teacher David Beckey



Date	Contents	Comments/ Remarks
13 – 17 May	Glencoe Geometry chapter 1.1 – 1.2	ALEKS Scheduled Knowledge Check
20 – 24 May	Glencoe Geometry chapter 1.3	ALEKS Scheduled Knowledge Check
27 May – 31 May	Glencoe Geometry chapter 1.4 – 1.6	<b>BASIC Chapter 1.1-1.5 Test</b>
3 – 7 June	Glencoe Geometry chapter 1.7 – 1.10	ALEKS Scheduled Knowledge Check
10 – 14 June	Glencoe Geometry chapter 2.1 – 2.4	<b>BASIC Chapter 1.6-1.10 Test</b>
17 - 21 June	Glencoe Geometry chapter 2.5 – 2.8.	ALEKS Scheduled Knowledge Check
24 - 28 June	Glencoe Geometry chapter 2.9 – 2.10	ALEKS Scheduled Knowledge Check
1 - 5 July	Glencoe Geometry chapter 3.1 – 3.4.	<b>ADDITIONAL Chapter 2 Test</b>
8 - 12 July	Glencoe Geometry chapter 3.5	ALEKS Scheduled Knowledge Check
15 – 19 July	Glencoe Geometry chapter 4.1 – 4.4.	<b>BASIC Chapter 3 Test</b>
22 - 26 July	Glencoe Geometry chapter 4.5 – 4.7.	ALEKS Scheduled Knowledge Check
29 July – 2 Aug.	Glencoe Geometry chapter 5.1 – 5.2.	<b>ADDITIONAL Chapter 4 Test</b>
5 -9 Aug.	Glencoe Geometry chapter 5.3 – 5.4	ALEKS Scheduled Knowledge Check
12 -16 Aug.	Glencoe Geometry chapter 5.5 – 5.6	ALEKS Scheduled Knowledge Check
19 -23 Aug.	Glencoe Geometry chapter 6.1 – 6.3.	<b>BASIC Chapter 5 Test</b>
26 Aug. - 30 Aug.	Glencoe Geometry chapter 6.4 – 6.6	ALEKS Scheduled Knowledge Check
2 – 6 Sept.	Practice Exams	<b>ADDITIONAL Chapter 6 Test</b>
9 – 13 Sept.	Practice Exams	
16 – 19 Sept.	Final Exam Week	



# Bangkok Christian College English Immersion Program

## Course Scope for Free Elective Mathayom 2

Semester 1/2024-2025 Teacher Ian Spellman



Date	Contents	Comments/ Remarks
13 - 17 May	Introductions, Classroom Expectations, Semester Roadmap. Grades will be based on participation in in-class activities and behavior	
20 - 24 May	Further coverage of important info followed by beginning in-class activities	
27-31 May	In class activities + Microscopy Demonstration (plant cells)	
3-7 June	In class activities + Microscopy Demonstration (animal cells)	
10 – 14 June	In class activities + Microscopy Demonstration (sample collection)	
17 – 21 June	In class activities + Microscopy Demonstration (slide preparation)	
24 – 28 June	In class activities + Fungal Plating sample collection	
1-5 July	In class activities + Flow Hood demonstration and sample preparation	
8-12 July	In class activities +Fungal sample observation (dissection scope), colony isolation?	
15-19 July	In class activities + Four Fundamental Forces Lesson	
22 – 26 July	In class activities + Four Fundamental Forces Lesson (continued)	
29 July- 2 August	In class activities + Electromagnetism demonstration – Tesla’s plasma globe	
5 - 9 August	In class activities + Geomagnetism, earthing demonstration (out of classroom)	
12 – 16 August	In class activities + Piezoelectricity Lesson (demonstration if materials can be acquired)	
19 - 23 August	In class activities + Sound Resonance demonstration, “can sound heal?” – tuning forks	
26 - 30 August	In class activities + Some chemistry demonstration (TBD)	
2-6 September	In class activities + Some chemistry demonstration (TBD)	
9 -13 September	In class activities + Dissections	
16 -20 September	Final Exam Week	