

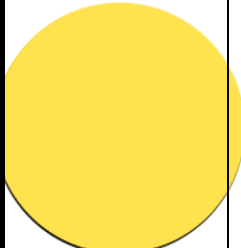



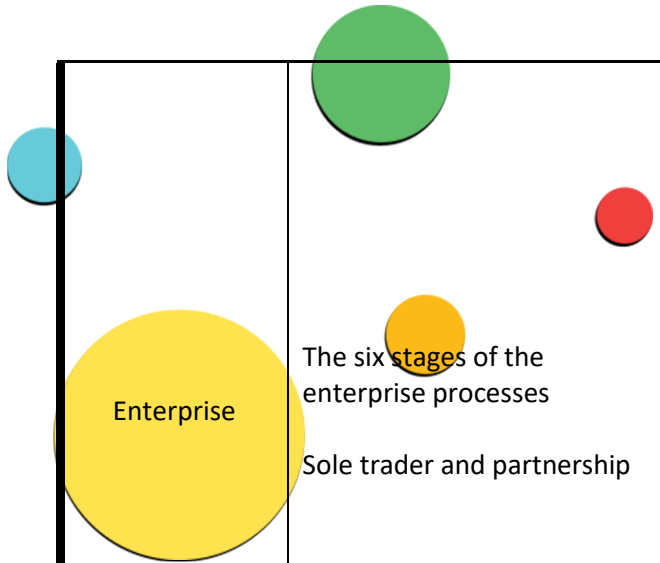
Straits International School Rawang
Curriculum Overview
Year 7 Autumn Term 2.1 2024/2025

Autumn Term 2.1	What are we learning?	What KUS will we gain?	What will excellence look like?
Mathematics	Unit 7: Fractions Unit 8: Shapes & Symmetry Unit 9: Sequences & Functions	Students will develop key skills in working with fractions , including simplifying, comparing, and performing operations, while applying them to real-world contexts like measurements and ratios. They will explore shapes and symmetry , identifying and classifying 2D and 3D shapes, analyzing properties, and understanding line and rotational symmetry. In sequences and functions , students will recognize patterns, generate sequences, and represent relationships using algebraic expressions and graphs. Across these chapters, they will strengthen problem-solving abilities and deepen their understanding of mathematical relationships and structures.	Excellence will involve a deep understanding of fractions , with students confidently solving complex problems involving mixed numbers, improper fractions, and real-life applications. In shapes and symmetry , students will accurately classify shapes, analyze advanced symmetrical patterns, and apply geometric reasoning to solve challenging problems. For sequences and functions , students will independently derive rules for sequences, use algebraic expressions effectively, and interpret and plot complex functions with precision. Across all topics, excellence will be demonstrated through clear reasoning, accurate communication, and the ability to connect concepts to new and unfamiliar situations.
How will this be assessed?		Mental Maths, Quizzes, Minor Exam	
First Language English	Prose (short stories) and Writing Skills	Students will learn how to analyse prose by exploring themes, characters, and the writer's techniques, for example: language and structure. They will improve their writing by developing clear ideas, organizing content effectively, and using the right tone. Nonfiction tasks will help them practice different formats, like articles or essays, and refine their skills.	Excellence will look like students demonstrating a deep understanding of prose by analysing themes, characters, and techniques with insight and originality. Their writing will be clear, well-organized, and engaging, with precise language and strong structure. In nonfiction, they will confidently adapt tone and format to suit different purposes and audiences.

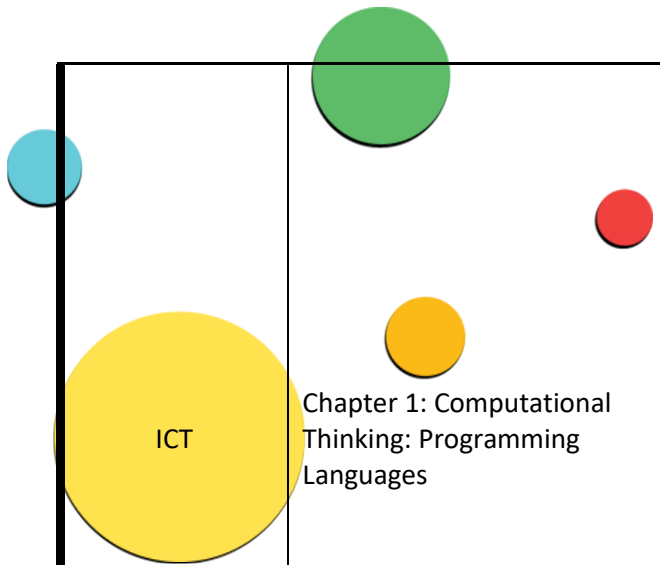
<p>How will this be assessed?</p>	<p>Students will be assessed through various formative assessment opportunities, including PEA paragraphs, presentations, and collaborative group work. The summative assessment will be a formal writing task with a focus on analysis.</p>	
<p>English as a Second Language</p>	<p>Unit 4: From A to B Unit 5: The great outdoors</p>	<p>Read about and discuss transport systems around the world; learn about the history of public transport; talk about how you and people you know travel around; use a variety of adjectives to describe a city; read and talk about improving the quality of life in cities; learn about how Venice was built and why it is in danger; write a guide to your home town or city. Use words and phrases for outdoor equipment and activities; read about the connection between nature and well-being; discuss the skills and equipment you might need for hiking; find out and talk about outdoor activities in New Zealand; read and talk about New Zealand; order the stages of a journey; write an advert for outdoor activities in your country.</p> <p>Write a short paragraph about transport systems around the world; Read and identify key points of a brief history of transport; Listen to an interview and talk about Morocco; Compare two cities with a chart; Read and discuss planning for the future; Listen and speak about Venice: A beautiful city in danger; Write a guide to your home town; Create a slide on unusual ways of getting to school.</p> <p>Listen and speak about a school trip; read and discuss the power of nature; role-play a conversation for a difficult situation; talk about outdoor activities in New Zealand; write a fact file about Australia; put the stages of a journey into the correct order; write an advert for outdoor activities; Do a project of planning an outdoor activity week.</p>
<p>How will this be assessed?</p>		<p>Teacher/self-assessment, presentation, speaking tasks, projects, group work</p>
<p>English as an Additional Language (EAL)</p>	<p>Unit 3: What we wear; what we waste</p>	<p>Students will expand their vocabulary related to clothes, parts of clothing, and verbs associated with wearing clothes, while also learning about historical clothing, accessories, and materials. They will discuss the significance of clothes and explore ways to protect the environment using modal verbs such as <i>have got to</i>, <i>ought to</i>, and <i>need to</i>. Additionally, they will examine how waste materials can be reused, deliver a short speech about an environmental problem, and learn to write a formal letter addressing a local environmental issue.</p> <p>Students will confidently use a broad vocabulary related to clothes, their parts, and associated verbs, and can discuss historical clothing, accessories, and materials with depth and clarity. They will demonstrate critical thinking by articulating the significance of clothes and proposing practical, environmentally friendly solutions using modal verbs like <i>have got to</i>, <i>ought to</i>, and <i>need to</i> effectively. Additionally, they will showcase creativity and awareness by identifying innovative ways to reuse waste materials and delivering a well-structured, persuasive speech on an environmental issue. Finally, they will exhibit strong formal writing skills</p>

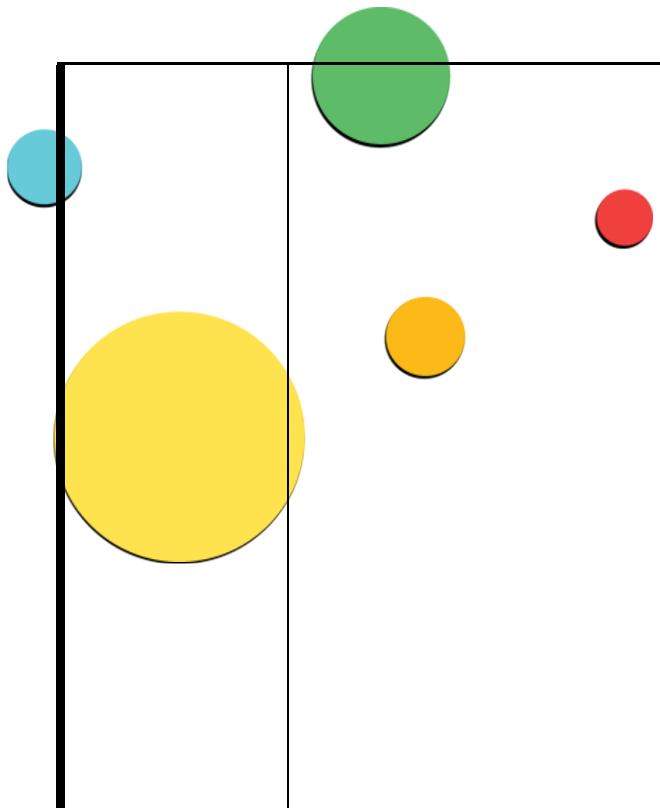
			by crafting a compelling, well-organized letter addressing a local environmental problem, presenting clear arguments and practical solutions with precision and professionalism.
How will this be assessed		Teacher/self-assessment, presentation, speaking tasks, projects, group work	
Science	Cells and Sounds	<p>Students will explore cells as the building blocks of life, examining their structure, functions, and roles in forming tissues and organs in plants and animals. Through the study of animal and plant cells, students will identify structural differences and similarities, exploring the unique functions of specialized cells, such as nerve cells and root hair cells. They will also investigate how cells work together in tissues and organs to sustain life processes in both animals and plants. By using microscopes and constructing cell models, students will gain practical insight into cellular structure and function.</p> <p>In physics, students will explore the nature of sound, understanding it as a form of energy that travels in waves. They will investigate how sound is produced, transmitted, and detected, examining the role of vibrations and mediums in sound propagation. Additionally, they will study phenomena such as echoes and how sound waves interact with surfaces.</p> <p>In electricity topic, students will learn how to interpret and model simple and complex circuits, understanding the components involved and how they interact. They</p>	<p>Excellence will be demonstrated when students can explain the differences between animal and plant cells, apply their understanding to specialized cells, and use a microscope to observe and model tissues. They should accurately describe sound waves and echoes through experiments and construct and interpret circuits while explaining electrical concepts and safety.</p>

	 	<p>will also examine the dangers of electricity, emphasizing the importance of safety in its use and the application of electrical knowledge in everyday life.</p>	
<p>How will this be assessed?</p>		<p>Minor Assessment, Worksheets, Projects, Experiments</p>	
 <p>History</p>	 <p>Ancient China</p>	<p>Students will explore the Zhou Dynasty as a foundational period in Chinese history, understanding its political structure, the Mandate of Heaven, and its role in shaping Chinese civilization. They will investigate Confucianism as a philosophical system that influenced Chinese society, governance, and culture, examining its core teachings and their lasting impact. The study of the Terracotta Army will provide insights into the legacy of Emperor Qin Shi Huang, his unification of China, and the values and beliefs of the Qin Dynasty. Finally, students will explore the Silk Road as a major trade network, analyzing its role in cultural exchange, economic development, and the spread of ideas and goods between East and West.</p>	<p>Excellence will be demonstrated when students can explain the Zhou Dynasty's significance, including the Mandate of Heaven, and connect Confucian principles to ancient Chinese society and their relevance today. They will analyze the Terracotta Army's historical and cultural importance and explain the Silk Road's impact on trade and cultural exchange with specific examples.</p>
<p>How will this be assessed?</p>		<p>Minor Assessment, Worksheets, Projects</p>	

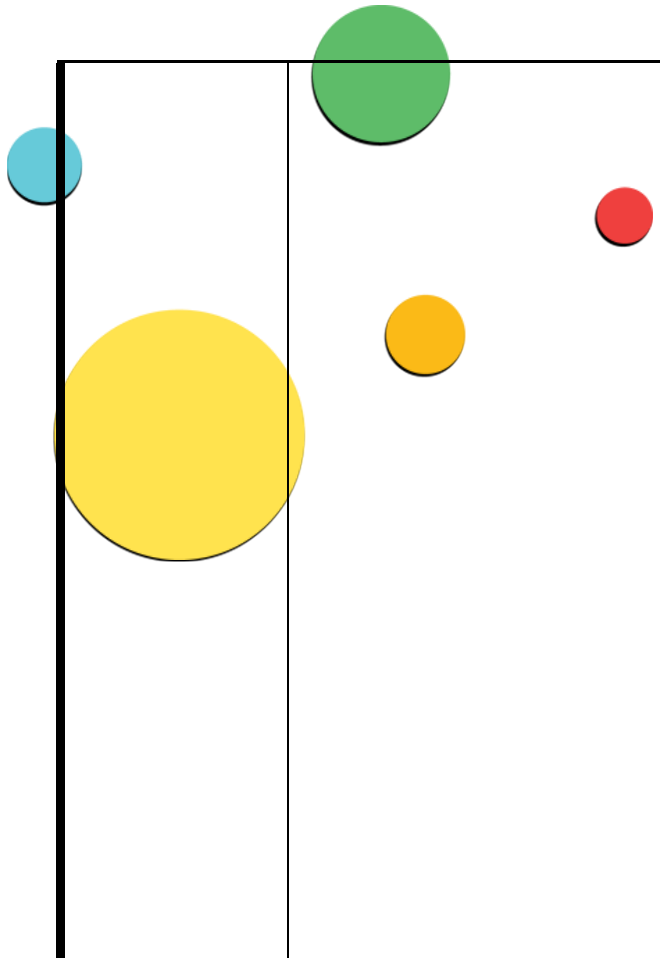


<p>Enterprise</p>	<p>The six stages of the enterprise processes</p> <p>Sole trader and partnership</p>	<p>Students will learn to identify and apply each stage in real-world enterprise activities: Understanding the six stages (typically: idea generation, planning, resource gathering, action, evaluation, and refinement). Recognizing the role each stage plays in business success. Break down complex business projects into manageable stages. Plan, execute, and review enterprise activities.</p> <p>Students will explore these common business structures and their implications - key characteristics, advantages, and disadvantages of sole traders and partnerships. Understand the differences between sole traders and partnerships in terms of ownership, liability, and decision-making. Choose the appropriate business structure for different scenarios.</p>	<p>Clearly articulates each stage with detailed, real-world examples. Demonstrates a comprehensive understanding of how each stage interconnects to ensure business success. Critically evaluates the importance of each stage in achieving sustainable business outcomes. Collaborates seamlessly in a team, showing leadership, delegation, and initiative.</p> <p>Compares and contrasts sole traders and partnerships with confidence, using detailed examples. Identifies potential challenges in each structure and offers innovative solutions. Presents a well-reasoned recommendation on the best business structure for various scenarios, backed by data and real-life case studies.</p>
<p>How will this be assessed?</p>		<p>Teacher/self-assessment, presentation, speaking tasks, projects, group work</p>	

 <p>ICT</p>	<p>Chapter 1: Computational Thinking: Programming Languages</p>	<p>Knowledge: Students should grasp the fundamentals of computational thinking concepts like flowcharts, selection and logic, pattern recognition, sub-routines, and text-based programming languages.</p> <p>Understanding: Students should comprehend how to apply these concepts to break down problems, design algorithms, and solve them effectively.</p> <p>Skills: Students develop the ability to:</p> <ul style="list-style-type: none"> • Design and interpret flowcharts. • Apply logic and selection in problem-solving. • Implement text-based programming in Python. • Test and debug solutions. • Engage with physical computing (e.g., integrating hardware with software). 	<p>Achieving excellence involves creating optimized, clear, and efficient solutions to complex problems. This includes designing advanced algorithms, showcasing a deep understanding of computational thinking and programming concepts.</p>
<p>How will this be assessed?</p>		<p>Minor Assessment, Worksheets, Project</p>	
<p>Malay Language</p>	<p>Unit 4: Rutin Sekolah</p>	<p>In Unit 4: Rutin Sekolah (School Routine), students will learn vocabulary related to school life, including subjects, activities, and common school terms. They will understand and apply the use of Kata Tunggal (singular) and Kata Plural (plural) forms, practicing sentence construction with both. Students will describe a typical school day, including morning routines, subjects, and breaks, as well as share experiences about school trips, using appropriate vocabulary. By the end of the unit, they will be able to confidently talk about their school routines, form singular and plural sentences correctly, and describe activities during a school day or trip.</p>	<p>By engaging in this unit, students will excel in several key areas:</p> <ol style="list-style-type: none"> 1. Expanding School-Related Vocabulary: Students will learn essential school-related terms, such as teacher, student, classroom, and library. They will practice using these words in sentences to describe their school environment and daily activities. 2. Understanding Singular and Plural Forms: Students will differentiate between singular

			<p>and plural nouns, learning how to use Kata Tunggal (singular) and Kata Plural (plural) correctly in sentences.</p> <ol style="list-style-type: none"> Describing a Typical School Day: Students will describe their daily school routines, including the times they start school, the subjects they study, and their break times. Describing a School Trip: Students will learn to describe a school trip, focusing on the activities and experiences they had during the trip. Applying Grammar Concepts: Students will strengthen their understanding of Kata Tunggal and Kata Plural by constructing sentences that use both singular and plural forms accurately. <p>Throughout the unit, students will improve their speaking, writing, and listening skills, while gaining confidence in discussing their school life in Malay.</p>
How will this be assessed?		Homework, group discussion, writing assignment and presentation.	
Mandarin	<p>Advanced: 信念和价值观 Beginner: Phone number, Jobs and Visiting Friends</p>	<p>Advanced: 在这个单元, 学生将会学习关于西方与中国式的信仰和习。 Beginner: In this term, students will focus on mastering phone call, jobs and visiting friends in Chinese. Additionally, students will practice writing short passages for introducing family member's jobs and talking with friends.</p>	<ul style="list-style-type: none"> • 听懂关于健康生活的短文或文章, 能捕捉文内容中主要传达的信息。 • 运用所学习的词汇和语法, 谈论自己的生活方式, 表达目前的生活方式是否健康。 • 掌握各类文章的写法, 准确地表达自己的观点。 <p>Beginner Students learned essential vocabulary and phrases to effectively communicate in phone call and about</p>

			friends. Besides, students can express their identities and share personal stories in Chinese.
How will this be assessed?		Teacher/self-assessment, presentation, speaking tasks, projects, group work	
Art & Design	Inspiring Modern Artwork Through Cultural Practices	Students will gain knowledge of various cultural art forms and their significance. They will understand how art is used to communicate cultural traditions, stories, and social values. Students will also develop practical skills in using materials and techniques specific to each culture, enhancing their creative ability and technical proficiency.	Students' ability to create artwork that thoughtfully reflects the cultural elements they studied, demonstrating both an understanding of tradition and personal creativity. Their work will show high technical skill in using the chosen techniques, originality in adapting these techniques, and a clear connection to the cultural context.
How will this be assessed?		Presentation and Minor Assessment	
Music	I've Got Rhythm	This term focuses on developing and reinforcing the concept of pulse through engaging activities. Students will participate in pulse games and rhythmic exercises, create repetitive rhythmic patterns, and explore various listening tasks. They will also compose and perform class rhythm pieces, fostering a deeper understanding of rhythmic textures and timing in music.	Excellence means students can confidently identify and distinguish between pulse, beat, and rhythm in music. They will recognize different beat patterns, including regular and irregular pulses, and accurately identify 2, 3, or 4-beat rhythms. In performance, students will play together as a band, maintaining the correct rhythm and showing strong teamwork.
How will this be assessed?		Composition, presentation	
PE		<p>Basketball:</p> <p>Students will develop essential basketball skills, including dribbling with control, accurate passing, and effective shooting techniques. Through gameplay, they will learn teamwork, strategic thinking, and court</p>	<p>Basketball:</p> <ul style="list-style-type: none"> • Dribbling: Maintains precise control while using both hands, changing speed and direction fluidly, even under defensive pressure.

	<p>awareness, enhancing their decision-making and collaboration skills.</p> <p>Volleyball:</p> <p>Students will gain foundational knowledge of volleyball, focusing on digging and serving techniques. They will also learn the basic rules of the game, fostering an understanding of gameplay and the importance of teamwork. These skills will improve their hand-eye coordination, communication, and ability to participate confidently in the sport.</p>	<ul style="list-style-type: none"> • Passing: Executes accurate, well-timed passes using a variety of techniques (e.g., bounce, chest, overhead), creating scoring opportunities and maintaining ball flow. • Shooting: Consistently accurate from various distances and positions, demonstrating excellent form and composure under pressure. • Gameplay: Shows outstanding court awareness, quick decision-making, and seamless teamwork, contributing to both offensive and defensive success. <p>Volleyball:</p> <ul style="list-style-type: none"> • Digging: Demonstrates excellent reflexes and control, consistently making effective digs that set up teammates for plays. • Serving: Delivers accurate, powerful, and strategic serves that challenge the opposing team. • Rules: Shows a clear understanding of the rules, consistently adhering to them while playing with confidence and sportsmanship.
<p>How will this be assessed?</p>	<p>Through a basketball and volleyball match</p>	