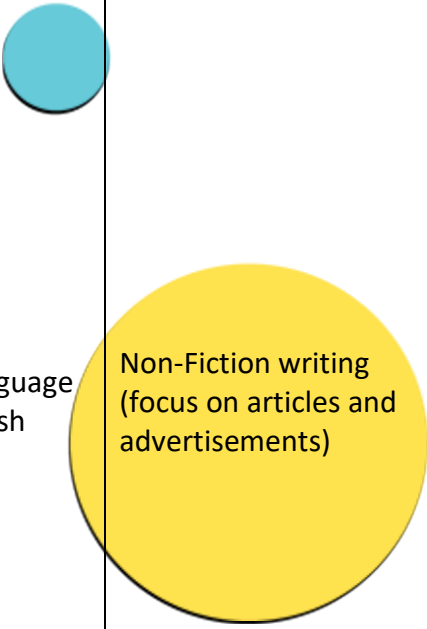
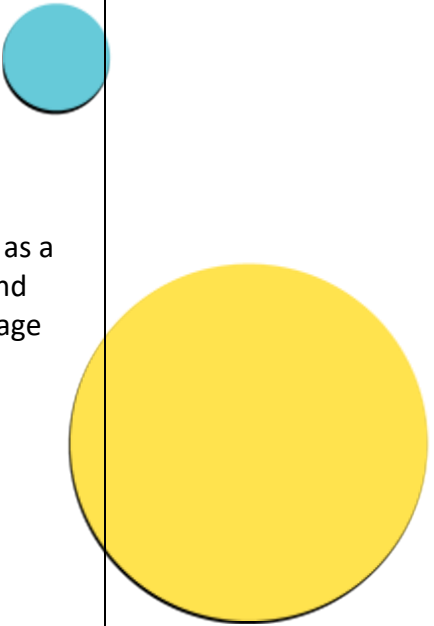




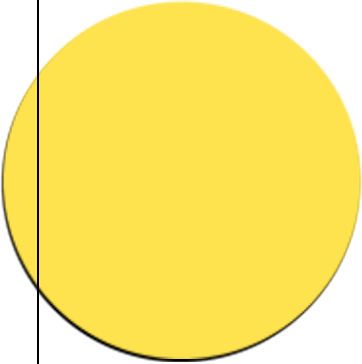

Straits International School Rawang
Curriculum Overview
Year 9 Term 2.2 2024/2025

Term 2.2	What are we learning?	What KUS will we gain?	What will excellence look like?
Mathematics	<p>Understanding Measurement</p> <p>Managing Money</p> <p>Ratio & Rate, proportion</p>	<p>Students will learn how to solve problem involving upper and lower bounds, use conversion graphs to change units from one measuring system to another use exchange rates to convert currencies. Students will calculate earnings (wages and salaries) in different situations. Use the formula to calculate simple and compound interest, solve problems related discounts, profits, and loss in everyday contexts and to perform financial calculations, use exponential growth and decay in relation to finance. Divide amounts in given ratio, make sense of scales on maps, models and plans, calculate average speed, interpret distance-time and speed time graphs and understand and solve problems using direct and inverse proportions.</p>	<p>Students confidently apply mathematical concepts to real-life financial and measurement problems. They accurately determine upper and lower bounds, interpret conversion graphs, and use exchange rates effectively. They calculate wages, salaries, simple and compound interest, and solve financial problems involving discounts, profit, and loss. They understand exponential growth and decay in finance, divide amounts proportionally, and interpret scales on maps, models, and plans. Additionally, they calculate average speed, analyse distance-time and speed-time graphs, and solve problems using direct and inverse proportion. Mastery involves logical reasoning, accurate calculations, and clear problem-solving strategies.</p>
How will this be assessed?		Class discussions, mental maths, major assessments.	

<p>First Language English</p>  <p>Non-Fiction writing (focus on articles and advertisements)</p>	<p>Students will analyze how texts are shaped by audience preferences and opinions. They will use strategies to locate, retrieve, and compare information from various texts, understanding how words serve different purposes and distinguishing between formal and informal styles.</p> <p>They will explore text layers, including bias, and demonstrate confidence in spoken presentations. By using punctuation and grammar effectively, students will enhance meaning and cohesion.</p> <p>They will craft language within paragraphs and structure ideas to achieve specific effects. Selecting appropriate text formats and styles will help engage readers.</p> <p>Students will write arguments with linked progression and persuasively, analyzing how meaning is conveyed through form, layout, and presentation. They will understand features of non-fiction and media texts, and analyze how structural choices convey meaning and attitude.</p> <p>Recognizing how language choices affect readers and developing precise analysis of language use, including euphemisms and emotional states, will be key.</p>	<p>Excellence looks like: Being able to write articles for a variety of audiences and purposes with flair, using a large array of vocabulary and using spelling, punctuation and grammar accurately at all times. Students will be able to make language and structural choices for effect, and will also be able to comment on this within read texts. Students will also be able to argue and persuade convincingly, both in writing and through speaking. Additionally, students will be able to comment on new texts with confidence and in detail, considering the effect of register and writers' choices.</p>
<p>How will this be assessed?</p>	<p>Writing a persuasive article (major assessment) & formative assessments</p>	

<p>English as a Second Language</p>		<p>Vocabulary & Language Structures: Innovation, artificial intelligence, cybersecurity, digital communication, advantages vs. disadvantages of technology.</p> <p>Listening & Speaking: Understanding discussions on technology, debating its benefits and drawbacks, presenting on emerging trends.</p> <p>Reading & Writing: Analyzing texts about technological advancements, writing persuasive and informative pieces on technology's impact.</p> <p>Grammar Focus: Future tense (e.g., "Technology will change our lives"), conditionals (e.g., "If we rely too much on technology..."), passive voice (e.g., "New apps are developed every day").</p>	<p>Confident Communication: Clearly expressing opinions on technology's role in society.</p> <p>Critical Thinking: Evaluating the benefits and risks of different technologies.</p> <p>Strong Writing & Speaking Skills: Using relevant examples, well-structured arguments, and precise vocabulary.</p> <p>Active Engagement: Participating in discussions, asking insightful questions, and making meaningful contributions.</p>
<p>How will this be assessed?</p>		<p>Formative: Vocabulary quizzes, group discussions on technology's role in daily life, listening activities.</p>	
<p>English as an Additional Language (EAL)</p>	<p>Unit 7 - Happiness</p>	<p>In this unit, students will explore the theme of happiness through a variety of engaging activities. They will watch a video about happy teens and answer questions to develop their comprehension skills. Through vocabulary-building exercises, they will learn new words</p>	<p>Students will confidently use a rich and varied vocabulary related to happiness, accurately applying comparative and superlative adjectives, as well as distinguishing between "less" and "least" in context. They will actively engage in discussions about activities that bring them joy, expressing their thoughts clearly</p>

		<p>related to happiness and practice using comparative and superlative adjectives, as well as the distinctions between "less" and "least." Students will discuss activities that bring them joy and expand their emotional vocabulary by learning adjectives to express their feelings. They will read a passage about happiness, identifying key facts and responding to open-ended questions, while also developing summary writing techniques. Listening activities will expose them to different perspectives on happiness, followed by comprehension tasks. Finally, they will explore practical strategies for managing emotions positively and complete a quiz to reinforce their learning.</p>	<p>with well-chosen adjectives to describe emotions. Their reading responses will demonstrate strong comprehension, with the ability to retrieve key facts and provide thoughtful, well-developed answers to open-ended questions. In summary writing, they will concisely and effectively capture the main ideas of a passage. While listening to different perspectives on happiness, they will extract key details and infer deeper meanings with precision. Their approach to managing emotions will reflect an insightful understanding of positive strategies, and they will successfully apply this knowledge to complete the quiz with accuracy and confidence.</p>
<p>How will this be assessed</p>		<p>Formative assessments, worksheets, presentations, Quiz and group work.</p>	
<p>Science</p>	<p>B3 Movement Into & Out of Cell</p>	<p>In Unit 3 of Biology, students will:</p> <p><u>Knowledge</u></p> <p>Mastery of definitions, processes, and examples of diffusion, osmosis, and active transport.</p>	<p>Students will excel in:</p> <p>Critical Thinking and Problem Solving</p> <p>Identifying and addressing gaps in reasoning during problem-solving tasks or practical investigations.</p>

 		<p>Deep understanding of the factors affecting each process and their interdependence with cellular and organismal functions.</p> <p><u>Understanding</u></p> <p>Analyzing and synthesizing connections between processes, e.g., how osmosis and active transport work together in root water and nutrient uptake.</p> <p>Explaining complex ideas clearly, such as the energy dependence of active transport or the osmotic challenges faced by cells in hypertonic environments.</p> <p>Applying knowledge to novel scenarios, such as predicting outcomes in experiments or real-life biological phenomena.</p>	<p>Explaining the implications of experimental findings or theoretical models beyond the syllabus content.</p> <p>Creativity and Innovation</p> <p>Proposing alternative experimental setups or improvements to established methods.</p> <p>Applying theoretical concepts to explain unfamiliar phenomena or create models for understanding them.</p> <p>Communication and Collaboration</p> <p>Articulating ideas clearly and concisely in verbal or written form, using correct scientific terminology.</p> <p>Collaborating effectively in group settings, contributing original ideas and fostering peer learning.</p>
---	--	---	---



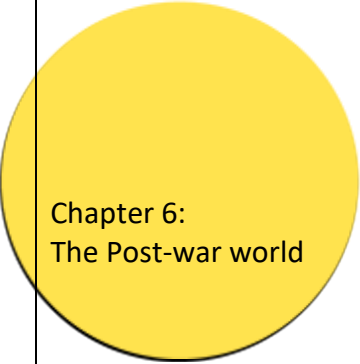
Skills

Conducting and evaluating practical investigations with precision, e.g., determining water potential using osmosis experiments with different concentrations.

Presenting data through graphs, tables, or diagrams, with accurate labeling and detailed interpretation.

Designing innovative experiments to investigate diffusion or active transport, ensuring variables are appropriately controlled.

Using scientific terminology fluently and appropriately in written and verbal explanations.

How will this be assessed?		Quiz, presentation, group work and minor assessment	
History	 <p>Chapter 6: The Post-war world</p>	<p>In this chapter, students will learn about the Cold War (1945-1991), a period of intense rivalry between the United States and the Soviet Union, rooted in ideological differences between capitalism and communism. They will explore key events such as the Berlin Blockade, Korean War, Cuban Missile Crisis, Vietnam War, and the fall of the Berlin Wall, understanding how these conflicts shaped global politics. Students will analyze the role of nuclear weapons, the arms race, and the impact of propaganda in fueling tensions. They will also evaluate how the Cold War ended, leading to the collapse of the Soviet Union and the shift to a new world order, developing critical thinking by assessing the causes, consequences, and lasting effects of this global conflict.</p>	<p>Excellence in this chapter will be demonstrated by students who can clearly explain the causes, key events, and consequences of the Cold War, using historical evidence to support their points. They will analyze the ideological conflict between capitalism and communism, assess the significance of events like the Cuban Missile Crisis and the fall of the Berlin Wall, and explain how the Cold War shaped modern geopolitics. Mastery will also include the ability to evaluate different perspectives, interpret primary sources such as political speeches and propaganda, and make connections between Cold War tensions and current global conflicts, demonstrating a deep understanding of its long-term impact.</p>
How will this be assessed?		Assessment, presentation, class debate	

Enterprise	Markets and customers	<p>Understand what market research is and why it's important for businesses to know their customers and market trends. Learn what customer retention means and why keeping customers is crucial for business success. Know the different ways businesses communicate with their customers, such as advertising, social media, and public relations.</p>	<p>Developing the ability to gather and analyse information about customers and market trends. Learning how to interact with customers in a way that makes them feel valued and encourages them to return. Enhancing the ability to create and deliver effective marketing messages through various channels. Applying what they've learned in real-life scenarios, such as school projects or role-playing exercises.</p>
How will this be assessed?		Major assessment, worksheets, group projects.	
ICT	Chapter 1: Computational Thinking: Programming Languages	<p>Knowledge: Understanding how data is used in programming, different algorithm efficiencies, searching techniques, software testing methods, and integrating hardware with code.</p> <p>Skill: Implementing data structures, analyzing and comparing algorithms, applying search techniques, performing systematic testing, and programming hardware interactions.</p> <p>Understanding: The importance of choosing the right algorithms, ensuring code reliability through testing, and effectively integrating software with physical components.</p>	<p>Writing efficient, well-tested, and optimized code with appropriate algorithm selection, thorough debugging, and seamless hardware-software interaction.</p>
How will this be assessed?		Problem Solving tasks, Assessments, Coding competition experience	

Malay Language

Unit 16: Perkhidmatan Awam (Public Services)

Knowledge:

- Understanding the role and importance of public services (e.g., hospitals, police, fire department, postal services).
- Identifying different types of public services and their functions in society.
- Learning key vocabulary related to public services.
- Recognizing and using **Kata Tanya** (interrogative words) correctly in sentences.

Understanding:


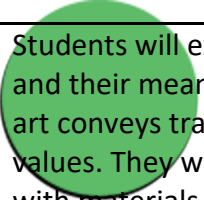

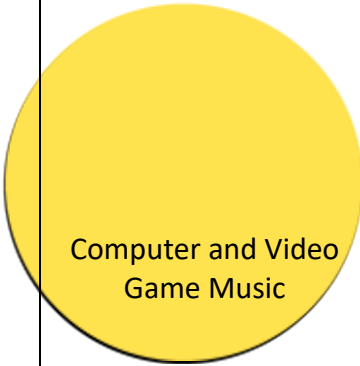
- Recognizing how public services contribute to community well-being and safety.
- Understanding the responsibilities of different public service sectors.
- Understanding how **Kata Tanya** is used to form meaningful questions in different contexts.

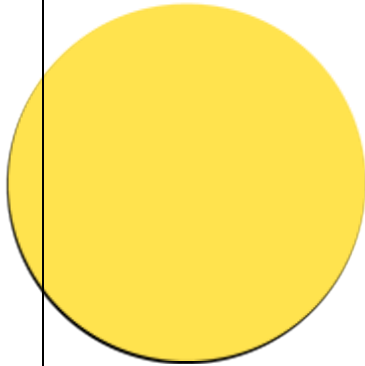
Skills:

- Reading and comprehending texts related to public services.
- Writing structured responses about the importance of public services.

- Demonstrating a deep understanding of how public services function and their impact on society.
- Using accurate and varied vocabulary, including **Kata Tanya**, in written and spoken tasks.
- Producing high-quality written work that includes structured explanations, critical reflections, and correctly formed **Kata Tanya** questions.

		<ul style="list-style-type: none"> Engaging in discussions about real-life scenarios involving public services. Constructing grammatically correct questions using Kata Tanya such as <i>Apa, Siapa, Bila, Di mana, Mengapa, Bagaimana, Berapa.</i> 	
How will this be assessed?		Speaking Assessments, Written Tasks, Comprehension Tests, Class Discussions	
Mandarin	<p>Mandarin Advanced: 科学与技术</p> <p>Intermediate: 1. Eating Out, 2. Birthday Celebration</p>	<p>科学与技术: 在这个单元学生将会认识与掌握关于科学与技术文章和词汇, 同时也了解和明白科学与技术改变了哪些人类的生活方式的课题。</p> <p>Intermediate: Students will enhance their ability to communicate in real-life scenarios, such as ordering food at restaurants and discussing birthday plans. They will expand their vocabulary on food, dining etiquette, and celebration customs. Grammar focus includes using comparative structures, expressing preferences, and making polite requests. Listening and reading skills will develop through authentic dialogues and menus. Cultural insights will cover dining customs and birthday traditions in Chinese-speaking regions.</p>	<p>科学与技术: 听懂关于风俗与传统的短文或文章, 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, 谈论自己的自己以及身边所接触或未接触的风俗和传统的仪式。掌握各类文章的写法, 准确地表达自己的观点。</p> <p>Intermediate: Excellence will be shown through fluent and natural conversations, accurately using formal and informal expressions. Students will write structured restaurant reviews and birthday invitations, incorporating varied vocabulary and complex sentence patterns. They will respond to spoken dialogues with confidence, understanding nuances in tone and meaning. In discussions, they will demonstrate cultural awareness by explaining traditions and personal experiences in Mandarin with clarity and accuracy.</p>
How will this be assessed?		Homework, Worksheet, Assessment, Q&A	

<p>Art & Design</p> 	<p>Inspiring Modern Artwork Through Cultural Practices</p>	<p>Students will explore diverse cultural art forms and their meanings, gaining insight into how art conveys traditions, stories, and social values. They will also develop hands-on skills with materials and techniques unique to each culture, strengthening their creativity and technical expertise.</p>  	<p>Students will create artwork that thoughtfully integrates cultural elements, showcasing their understanding of traditions while expressing personal creativity. Their work will demonstrate strong technical proficiency, originality in adapting techniques, and a clear connection to the cultural context.</p>
<p>How will this be assessed?</p>		<p>Presentation skills analysis</p>	
<p>Music</p>	 <p>Computer and Video Game Music</p>	<p>Students will be exploring this unit through various methods, depending on the available resources, particularly in terms of music technology. Like other Musical Contexts units, the unit can be effectively delivered using a standard range of classroom instruments, including both tuned and untuned percussion. The learning experience can be further enhanced with the use of keyboards, offering a variety of voices, tones, timbres, and sound effects. Alternatively, students may use ICT to create their own computer and video game music.</p>	<p>Excellence in understanding the importance of sound effects in computer or video games will be demonstrated through the student's ability to identify how sound effects are strategically used to enhance gameplay. Students will show an in-depth understanding of how sound effects are synchronized with specific cues, such as actions, events, or transitions in the game.</p>
<p>How will this be assessed?</p>		<p>Presentation and skills analysis</p>	
<p>PE</p>	<p>Basketball and volleyball</p>	<p>Basketball: Students will develop essential basketball skills, including dribbling with control, accurate passing, and effective shooting techniques.</p>	<p>Basketball: Passing: Delivers accurate, well-timed passes under various conditions, using different techniques to</p>



Through gameplay, they will learn teamwork, strategic thinking, and court awareness, enhancing their decision-making and collaboration skills.

Volleyball:

Students will gain foundational knowledge of volleyball, focusing on digging, setting 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.

maintain ball movement and create scoring opportunities.

Shooting: Consistently accurate from various positions, with proper form and the ability to perform effectively under pressure.

Dribbling Under Pressure: Maintains control and composure while dribbling in high-pressure situations, using both hands effectively and adapting to defensive challenges.

Gameplay: Demonstrates advanced court awareness, quick decision-making, and strong teamwork, making strategic contributions on both offense and defense.


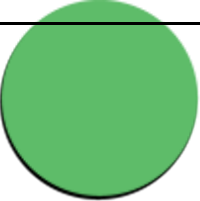

Volleyball:

Digging: Delivers accurate, controlled digs, effectively handling challenging balls and setting up plays.

Serving: Executes powerful and precise serves, placing the ball strategically to challenge opponents.

Setting: Produces consistent, well-placed sets that enable teammates to execute successful attacks.

Spiking: Demonstrates strong, accurate spikes with excellent timing, power, and placement to score points.

		 	<p>Blocking: Effectively reads opponents' plays and executes well-timed blocks to disrupt their attacks.</p> <p>Roles: Shows a clear understanding of team roles, performing effectively in different positions and contributing to team strategy with strong communication and teamwork.</p>
How will this be assessed?	Through a basketball and volleyball match		

