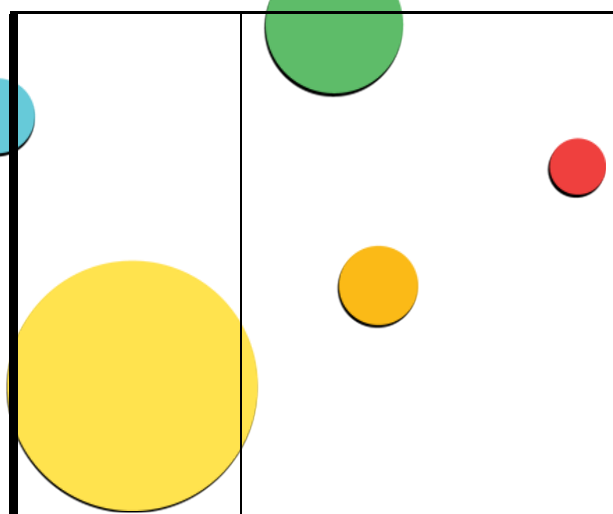


Straits International School Rawang

Curriculum Overview


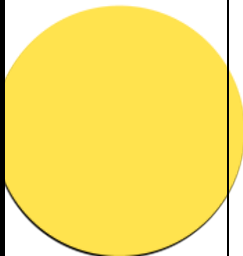



Year 9 Term 3.2 2024/2025

Term 3.2	What are we learning?	What KUS will we gain?	What will excellence look like?
Mathematics	<p>Unit 21 Ratio & Rate, proportion</p> <p>Unit 22 More equations, formulae and functions</p>	<p>Students will be calculating the average speed, interpret distance-time and speed time graphs and understand and solve problems using direct and inverse proportions.</p> <p>students should solve linear, quadratic, and simultaneous equations algebraically, including those with brackets and fractions. They should rearrange complex formulae confidently and substitute values into algebraic expressions and formulae accurately. Students should also explore and interpret function notation, recognize inverse and composite functions, and understand how functions model real-world relationships.</p>	<p>Excellence in this topic means students accurately calculate average speed and confidently interpret distance-time and speed-time graphs. They solve direct and inverse proportion problems with clear reasoning. Algebraically, students know how to rearrange complex formulae and substitute values precisely. Students demonstrate a deep understanding of function notation, correctly identify inverse and composite functions, and effectively apply functions to model and explain real-world situations using clear mathematical reasoning.</p>
How will this be assessed?		Mental Maths, SPARX Maths, major assessment	
First Language English	<p>Language skills – reading & writing</p> <p>Novel Study – <i>Animal Farm</i></p> <p>Speaking & listening skills</p>	<p>Students will be practising and improving their comprehension, inference and analysis skills in reading both fiction and non-fiction, along with their writing skills, including organisation,</p>	<p>Excellence in English for Year 9 means being able to read fiction and non-fiction texts with strong comprehension and insight, using inference and analysis to understand deeper meanings and make</p>



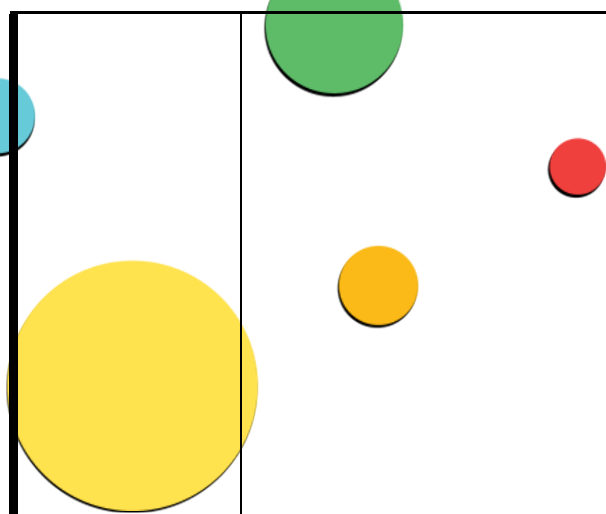
		<p>content, style and accuracy in writing both fiction and non-fiction texts. Students will also work on their literature analysis skills, and will learn more about the context and history around 'Animal Farm'. Finally, students will spend some time practising their speaking and listening skills, including answering questions as part of a conversation, speaking clearly and confidently, and using rhetorical techniques.</p>	<p>thoughtful connections. When studying <i>Animal Farm</i>, excellent students can explain how characters, language and events reflect historical and political ideas, using clear evidence from the text. In writing, excellence means creating well-organised, engaging and accurate pieces that suit the purpose and audience—whether it's a story, article, or essay—while demonstrating a clear style and command of language. In speaking and listening, excellent students speak clearly, confidently and respectfully, responding thoughtfully to others, and using persuasive and rhetorical techniques to express their ideas effectively.</p>
How will this be assessed?		<p>Major assessment – reading & writing papers</p> <p>In-class quiz</p> <p>In-class presentation</p>	
English as a Second Language	Achievements and ambitions	<p>In this unit, students explore personal, academic, and global achievements as well as future ambitions. They learn vocabulary related to goals, success, challenges, and motivation. Reading tasks include short biographies, motivational texts, and articles about famous achievements. Listening activities focus on interviews and talks about life goals and overcoming obstacles. Grammar focus includes the past simple and present perfect for discussing past achievements, and future forms (e.g. <i>will</i>, <i>going to</i>, <i>would like to</i>) for expressing plans and ambitions. Students practise giving speeches, writing personal statements, and</p>	<p>Excellence will be shown by students who can clearly describe past successes and articulate future goals using accurate grammar and a wide range of vocabulary. High-performing students will demonstrate reflection, thoughtful responses, and confident communication in both speaking and writing, while showing an ability to connect personal experiences to broader themes of ambition and success.</p>

		participating in discussions about their aspirations and how to reach them.	
How will this be assessed?		a listening activity on goal-setting, a reading comprehension on inspiring achievements, a speaking task such as a short speech on personal ambitions, and a written piece like a personal statement or article about how to achieve success in life.	
English as an Additional Language (EAL)	Home	In the Home unit, students will develop their English language skills through a variety of reading, listening, speaking, and writing activities focused on the theme of home and daily living. They will explore the idea of minimalism by engaging with the article <i>Less Clutter, Less Stress</i> , and learn how to use modal verbs like <i>must</i> and <i>have to</i> to express obligations. Students will discuss and compare house rules, read and match headings to paragraphs, and explore the concept of microhomes. They will expand their vocabulary related to homes and furniture, improve their listening skills by predicting content and completing a flow chart, and practise structured writing by composing an opinion essay. The unit concludes with a revision and round-up activity, helping students consolidate their knowledge and apply what they've learned in real-world and academic contexts.	Students will communicate confidently and accurately across all four language skills—listening, speaking, reading, and writing—using a wide range of vocabulary related to homes and furniture. The students will show a strong understanding of the theme of minimalism and obligations by using modal verbs (<i>must, have to</i>) correctly in both speech and writing. They will actively participate in discussions about house rules and microhomes, offering thoughtful comparisons and opinions. In reading tasks, they will accurately match headings to paragraphs and infer meaning from context. In listening activities, they will effectively predict content and extract key information to complete tasks such as flow charts. Their opinion essay will be clearly structured, well-argued, and include relevant examples. Overall, an excellent student will demonstrate the ability to apply what they've learned to both personal experiences and wider social contexts with accuracy, clarity, and creativity.
How will this be assessed		Formative assessments, summative assessments, worksheets, presentations, quiz and group work.	

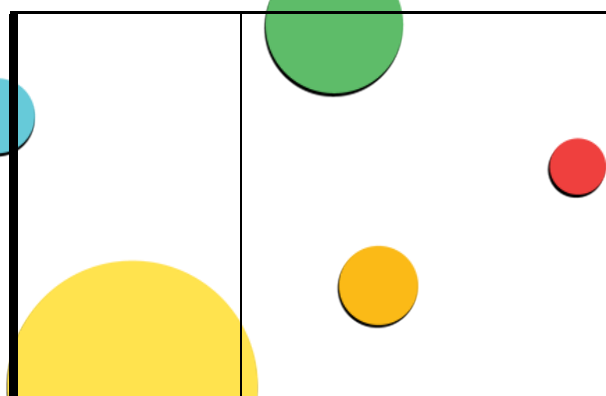
  <p>Science</p>	   <p>P2 Thermal Physics</p>	<p>This unit covers how thermal energy is stored, transferred, and affects matter. Students will learn about the thermal expansion of solids, liquids, and gases and relate these changes to real-life applications. They will explore evaporation as the escape of high-energy particles from a liquid, understand how it causes cooling, and how factors like temperature, surface area, and airflow influence the rate of evaporation.</p> <p>Students will also study conduction, convection, and radiation as methods of thermal energy transfer. They will identify good and poor conductors, explain heat transfer in solids and fluids, and understand convection using ideas of particle movement and density. The role of infrared radiation, surface colour, and texture in heat transfer will also be investigated, including how these influence Earth's temperature.</p> <p>By the end of the unit, students will describe and explain key thermal processes, apply their knowledge to everyday situations, and interpret experiments related to heat transfer,</p>	<p>Excellence in this topic means understanding how thermal energy is transferred and how matter behaves when heated.</p> <p>Strong work includes accurate explanations of conduction, convection, radiation, and thermal expansion, supported by real-world examples. High achievers describe particle motion clearly, explain evaporation and cooling, and interpret experimental results using correct scientific terms.</p> <p>To improve, students should practise using precise language, apply concepts to different situations, and revise actively with diagrams and past questions. Excellence is shown when students can clearly explain ideas, solve problems, and apply knowledge confidently.</p>
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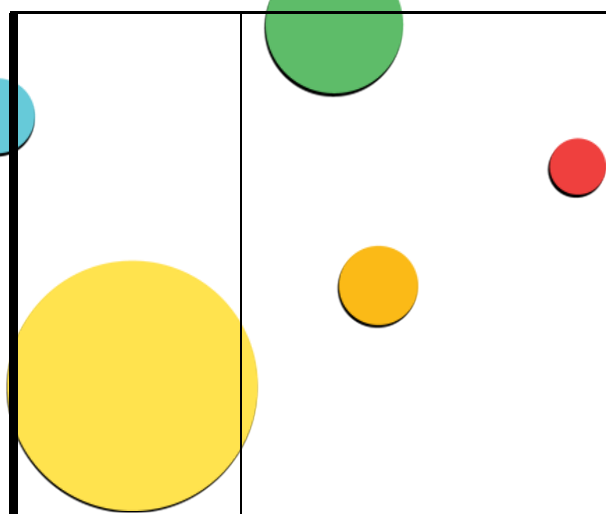
		developing scientific reasoning and practical skills in line with assessment objectives.	
How will this be assessed?		Quiz, presentation, group work and major assessment	
History	From Empire to Commonwealth	<p>This chapter helps students understand the historical forces that led to the dissolution of the British Empire, particularly in India and Africa. Students will investigate how nationalist movements, economic pressures, global conflicts (such as World War II), and changing public opinion contributed to the decline of imperial power.</p> <p>They will explore key case studies, such as India's independence in 1947 and the varying timelines of African nations gaining sovereignty throughout the 1950s–1970s, considering both the struggles faced and the legacies left behind.</p>	<ul style="list-style-type: none"> • Explain the causes of British decolonisation with clarity, referring to relevant global and local events (e.g. WWII, economic decline, nationalist resistance). • Describe key movements for independence in India and selected African nations, referring to significant figures such as Gandhi, Nehru, Jomo Kenyatta, or Kwame Nkrumah. • Analyse the methods used in the struggle for independence, comparing approaches like non-violent resistance in India versus armed uprisings in parts of Africa. • Demonstrate an understanding of post-independence challenges, including nation-building, partition, conflict, and economic recovery. • Explain the role of the Commonwealth and reflect on how former colonies maintain, reject, or redefine their historical ties with Britain. • Use precise historical terminology (e.g. 'self-determination', 'partition', 'colonial legacy', 'nationalism', 'postcolonial').

How will this be assessed?			
Enterprise	Communication	<p>Students gain important knowledge and skills that are essential for success in any professional environment. They explore different types of communication—verbal, non-verbal, written, and digital—and understand how each is used effectively in various workplace situations. Students learn the importance of active listening, clear expression, appropriate tone, and body language. They also develop an understanding of how communication can influence teamwork, leadership, customer service, and conflict resolution. Through role-plays, group tasks, and real-life scenarios, students build practical skills in presenting ideas, giving and receiving feedback, and adapting communication styles to suit different audiences. This learning helps them become more confident, respectful, and effective communicators, preparing them for future work experiences and collaborative environments.</p>	<p>Excellence in learning about communication in the workplace will be shown through a strong understanding of different communication methods and the ability to use them effectively in a range of professional scenarios. Students demonstrating excellence will confidently explain the importance of verbal, non-verbal, written, and digital communication, and apply this knowledge in role-plays, presentations, and group discussions. They will show active listening, speak clearly and respectfully, and adapt their communication style to suit different audiences and situations. Their work will reflect thoughtful responses, well-structured ideas, and an awareness of how communication affects teamwork, leadership, and workplace relationships. These students will also demonstrate empathy, professionalism, and the ability to give and receive constructive feedback, showing maturity and readiness for real-world work environments.</p>
How will this be assessed?		Individual quizzes, group tasks, presentations, worksheets, exam-style questions.	
ICT	Chapter 1: Computer systems	Students will know the components of computer design and architecture, how data is	Student who demonstrates excellence will confidently describe the architecture of a computer system and how its components work

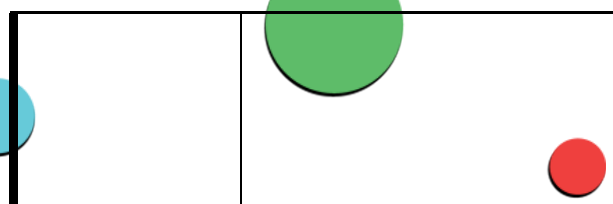


		<p>represented using binary, hexadecimal, and ASCII, the basic types of logic gates (AND, OR, NOT), and the roles of different software types (system and application).</p> <p>Students will understand how computer components interact to process instructions, how data is stored and manipulated in binary form, how logic gates form the basis for computing decisions, and how different software types serve distinct purposes within a computer system.</p> <p>Students will be able to diagram and label key components of computer architecture, convert data between binary and hexadecimal, design simple logic circuits using gates, and classify software based on its function.</p>	<p>together. They will accurately represent data in binary, hexadecimal, and ASCII formats, solve problems using logic gates, and clearly differentiate between various types of software with real-world examples.</p>
How will this be assessed?		Quiz, Major Assessment, Logic circuit practical task	
Malay Language	Unit 18: Penginapan Semasa Bercuti (Accommodation During Holidays)	<p>In Unit 18: Penginapan Semasa Bercuti, students will gain key understanding and skills (KUS) that enable them to talk about different types of accommodation commonly used during holidays. They will learn relevant vocabulary to describe places such as hotels, homestays, chalets, and resorts. Students will be introduced</p>	<p>Excellence in this unit will be demonstrated when students can accurately use a wide range of vocabulary related to accommodation and apply Kata Bantu effectively in both speech and writing. They will confidently describe past, present, and future travel plans, and explain preferences with supporting reasons. Students</p>

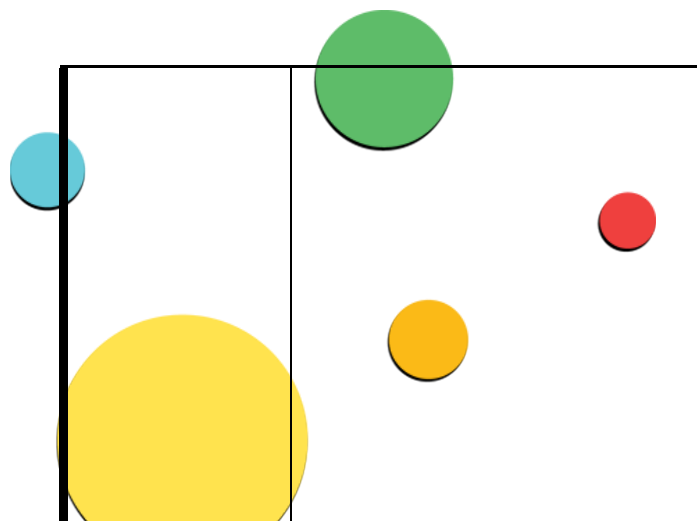
		<p>to Kata Bantu (auxiliary verbs) to construct meaningful and grammatically accurate sentences when discussing holiday experiences. They will explore the two main categories of Kata Bantu—Kata Bantu Ragam (e.g. boleh, harus, mesti, mahu) and Kata Bantu Waktu (e.g. telah, sedang, akan)—and learn how to use them correctly in context.</p>	<p>who excel will communicate fluently in role-play or presentation activities, describe different types of lodgings in detail, and show a strong grasp of both vocabulary and grammatical structures.</p>
How will this be assessed?		Assessment, Worksheet, Q&A, Quiz	
Mandarin	<p>Mandarin Advanced: Equality, Peace and Conflict and Ethics 平等、和平与冲突和理论</p> <p>Chinese Intermediate: Topic 1: Asking Directions Topic 2: Environmental Protection</p>	<p>Mandarin Advanced: 在这一单元中，我们围绕“平等、和平与冲突以及伦理”这一主题展开学习，通过一系列阅读、听力、口语和写作任务，深入探讨社会中的不平等现象及其影响。学生将通过《广告与平等》、《贫富差距让孩子也产生了距离》、《职场妈妈》和《女生所追求的“平等”体现在何处》等文章，理解性别、财富和职业背景等因素如何在不同情境中影响人们的机会和平等。同时，通过关于“全球化与平等”的听力材料，学生将了解全球视角下的公平问题，并通过口语练习表达自己的观点。</p> <p>Chinese Intermediate: Students will acquire vocabulary and phrases related to directions (e.g., 怎么走、一直走、</p>	<p>Mandarin Advanced: 本单元的学习将帮助学生掌握关键的知识、技能和理解（KSU），包括提升批判性阅读能力、加强听说表达技巧、加深对社会公平和道德议题的理解，并能在写作中清晰、有逻辑地表达自己的见解。优秀的表现体现在学生能够运用具体例子分析社会问题、在讨论中尊重多元观点、以及写作中逻辑严密、语言准确。</p> <p>Chinese Intermediate: Excellence will be demonstrated when students can confidently ask for and give directions, include time details (e.g., “我在图书馆待了两个小时”), and discuss environmental issues with supporting ideas. In speaking and writing, students will use topic-specific vocabulary, correct sentence structures, and connect ideas clearly. They will show the ability to express opinions and make suggestions fluently (e.g.,</p>



		<p>左转、右转) and environmental protection (e.g., 环保、回收、一次性用品、全球变暖). They will understand how to ask for and give directions, indicate time spent at locations, and discuss environmental issues and personal responsibility. Skills developed include asking and answering questions, using time expressions, forming opinions and suggestions, and writing about social issues in Chinese. Students will also improve reading comprehension and listening for practical and global topics while practicing written and spoken communication.</p>	<p>“我们应该少用塑料袋”). In comprehension tasks, excellent students will understand not just surface meaning but infer implications, particularly regarding global topics like global warming. Their writing will be organized, accurate, and relevant to the task.</p>
How will this be assessed?		<p>Students' learning outcomes will be assessed through various methods: reading comprehension tasks will test their ability to analyse texts; listening tasks will assess their skills in retrieving and interpreting information; speaking activities will evaluate the clarity of their expression and their interaction skills; and the writing component will be used to assess how well they organize ideas, construct arguments, and use language effectively.</p>	
Art & Design	Nature	<p>Students will gain Knowledge of Georgia O'Keeffe's artistic style, particularly her focus on natural forms, zoomed-in perspectives, and expressive use of color and space. They will develop Understanding of how artists use mixed media—specifically oil pastels and watercolor—to achieve unique visual effects like resist techniques. Students will build practical Skills in observational drawing, composition, and combining media thoughtfully. Through this unit, they will also</p>	<p>Excellence will be demonstrated through a confident and creative final piece that clearly reflects the influence of Georgia O'Keeffe's style. Students who achieve excellence will show a strong understanding of composition, filling the space thoughtfully with bold, zoomed-in natural forms. Their oil pastel work will include clear, expressive lines that effectively resist the watercolor wash, creating visual impact. Use of color will be deliberate and well-considered. In addition, excellent</p>



		enhance their ability to evaluate their own and others' work using relevant art vocabulary, reinforcing critical thinking and reflection in art-making.	students will be able to articulate their creative choices, demonstrate experimentation in their sketchbooks, and thoughtfully reflect on their learning process during self-assessment or class critiques.
How will this be assessed?		Assessment will be both formative and summative . Throughout the unit, students will be informally assessed through class discussions, sketchbook entries, and experimentation with materials. Feedback will focus on improving technique, composition, and creative decision-making. The final summative assessment will evaluate the finished artwork based on specific criteria: influence of O'Keeffe's style, effective use of the water resist technique, composition, and use of color. Students will also complete a short self-assessment reflecting on what they learned, how they applied feedback, and what they might do differently next time. Peer critiques may also be used to encourage collaborative evaluation.	
Music	What Make A Good Song	In this unit, students develop ensemble performance skills by rehearsing and performing as part of a band. They focus on pitch accuracy, rhythm, tempo, fluency, and teamwork to deliver a confident and expressive group performance.	Excellence will look like a tight, well-coordinated band performance where all members maintain accurate pitch, steady rhythm, and consistent tempo. Students will demonstrate strong teamwork, clear musical expression, and confident stage presence throughout the piece.
How will this be assessed?		Major Assessment, Performances	
PE	Fitness	Fitness Testing : Students will participate in a range of fitness tests to assess key components of health and skill-related fitness. These include	Excellence in Fitness Testing is demonstrated by students who show outstanding physical ability across all components. They perform at a high level in the beep test, showing strong cardiovascular endurance. Their balance and



	cardiovascular endurance (beep test), balance (stork stand), coordination (wall ball test), strength (push-ups, sit-ups, squats), agility (T-test), and flexibility (Sit and reach). Through these tests, students will gain an understanding of their current fitness levels, set personal goals, and learn how different exercises support overall health and performance. The focus is on personal progress, effort, and developing lifelong habits for physical well-being.	coordination are controlled and consistent, especially during dynamic movements. Strength is evident through excellent form and high repetitions in push-ups, sit-ups, and squats. In agility tasks, they move quickly and smoothly with precise footwork. Flexibility is shown through a wide range of motion with good posture. These students also show a strong understanding of fitness principles and take initiative to improve their personal health and performance.
How will this be assessed?	Various fitness testing: cardiovascular endurance (beep test), balance (stork stand), coordination (wall ball test), strength (push-ups, sit-ups, squats), agility (T-test), and flexibility (Sit and reach).	