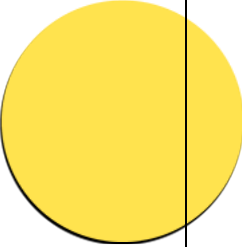




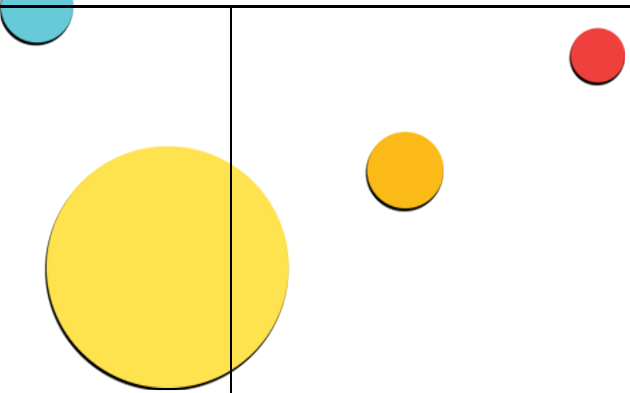


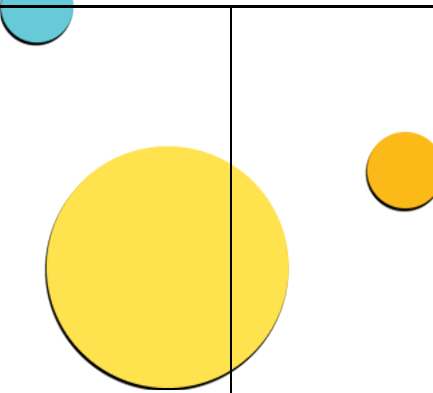
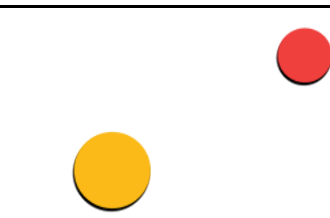
Straits International School Rawang  
Curriculum Overview – Year 5  
Year 5 Autumn Term 1.1 2024/2025

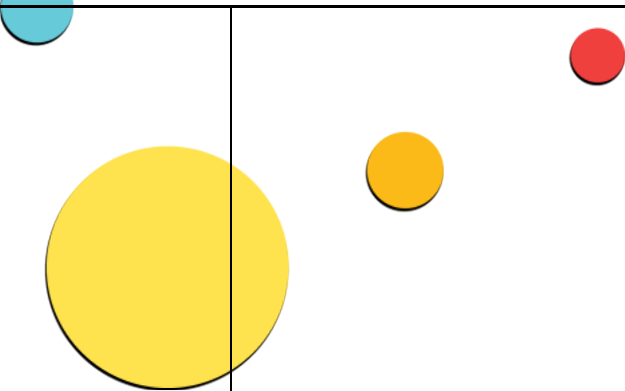
Autumn - Term 1.1	What will we learn?	What KUS will we gain?	What will excellence look like?
English	<ul style="list-style-type: none"> <li>Students will read 'James and the Giant Peach' by Roald Dahl.</li> <li>They will explain and discuss what they have read.</li> <li>Students will describe settings, characters and atmosphere and integrating dialogue to convey character and advance the action</li> </ul>	<ul style="list-style-type: none"> <li>Students will learn about relative clauses and relative pronouns.</li> <li>Students will identify and consider how authors have developed characters and settings in texts they have read.</li> <li>Students will apply the literary techniques they have identified in existing written texts (e.g. similes, personification, metaphors) and use this in their own narrative writing.</li> </ul>	<ul style="list-style-type: none"> <li>Students will independently write a story set in a different world, ensuring tense, subject/verb agreement, person and paragraphing.</li> <li>Through their description they will confidently evoke the reader's imagination of where the story is set.</li> <li>Students will accurately use a wide range of punctuation and use and apply relative clauses in their writing.</li> <li>Students will use a mixture of simple, compound and complex sentences and explain the effect of this has on their writing.</li> <li>Students will independently use a thesaurus to extend their vocabulary choices.</li> </ul>
How will this be assessed?		<p><b>Students will write their own story set in a different world, with emphasis on their descriptive settings. Students will also have weekly spelling tests and a reading comprehension assessment.</b></p>	
Maths	<ul style="list-style-type: none"> <li>Place Value</li> <li>Addition and Subtraction</li> <li>Multiplication &amp; Division</li> </ul>	<p><b>Place Value</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"> <li>Recognise the value of digits in numbers up to 1,000,000.</li> <li>Understand place value in numbers including the use of zero as a placeholder.</li> <li>Roman numerals up to 1,000.</li> </ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>Read, write, order, and compare numbers to 1,000,000.</li> </ul>	<ul style="list-style-type: none"> <li><b>Place Value:</b> <ul style="list-style-type: none"> <li>Accurately reads, writes, and compares numbers up to 1,000,000.</li> <li>Fluently counts forwards and backwards in powers of 10.</li> <li>Consistently rounds large numbers correctly and applies place value knowledge in problem-solving contexts.</li> </ul> </li> <li><b>Addition and Subtraction:</b></li> </ul>

 	  	<ul style="list-style-type: none"> <li>• Count forwards or backwards in powers of 10 for any given number up to 1,000,000.</li> <li>• Round numbers up to 1,000,000 to the nearest 10, 100, 1,000, 10,000, and 100,000.</li> <li>• Solve number problems and practical problems that involve all of the above.</li> </ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"> <li>• Grasp how place value works within larger numbers and how it is applied in different contexts.</li> <li>• Understand the importance of zero and how it functions as a placeholder in large numbers.</li> </ul> <p><b>Addition and Subtraction Knowledge:</b></p> <ul style="list-style-type: none"> <li>• Understand the use of formal written methods for addition and subtraction of large numbers (more than 4 digits).</li> <li>• Recognize the importance of estimation and mental arithmetic in addition and subtraction.</li> </ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>• Add and subtract whole numbers with more than 4 digits using formal written methods.</li> <li>• Use rounding to check the accuracy of answers.</li> <li>• Solve addition and subtraction multi-step problems in context, choosing appropriate operations and methods.</li> </ul>	<ul style="list-style-type: none"> <li>○ Effortlessly adds and subtracts large numbers using formal methods.</li> <li>○ Uses mental strategies for efficient calculation.</li> <li>○ Solves multi-step problems accurately, choosing the most effective method and checking answers using estimation.</li> </ul> <p>• <b>Multiplication and Division:</b></p> <ul style="list-style-type: none"> <li>○ Rapid recall of multiplication and division facts up to 12 x 12.</li> <li>○ Applies knowledge of factors, multiples, and prime numbers to solve complex problems.</li> </ul>
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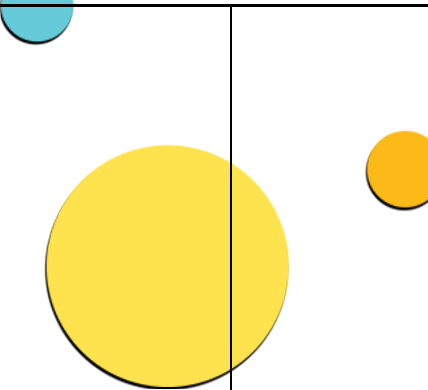
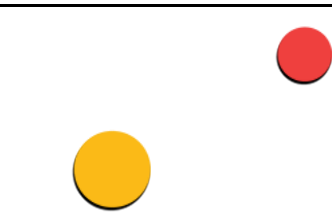


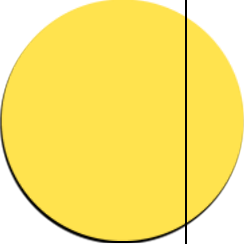




		<ul style="list-style-type: none"><li>• Perform mental calculations with increasingly large numbers.</li></ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"><li>• Comprehend the relationship between addition and subtraction and how they can be used to check each other's answers.</li><li>• Develop a deeper understanding of how to apply these operations in solving real-life problems.</li><li>• Understand the importance of accuracy in both mental and written calculations.</li></ul> <p><b>Multiplication and Division</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"><li>• Mastery of multiplication and division facts up to 12 x 12.</li><li>• Understanding formal written methods for multiplication and division.</li><li>• Knowledge of factors, multiples, primes, squares, and cubes.</li></ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"><li>• Multiplying and dividing numbers using formal written methods, including long multiplication and short division.</li><li>• Solving problems involving multiplication and division with remainders interpreted appropriately.</li></ul>	
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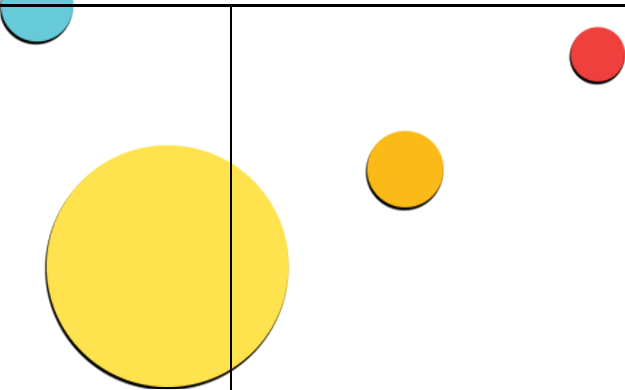
		<ul style="list-style-type: none"> <li>Identifying and using factors, multiples, and prime numbers in calculations.</li> <li>Recognizing and using square and cube numbers in problem-solving.</li> </ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"> <li>Understanding the connection between multiplication and division.</li> <li>Applying multiplication and division concepts to solve complex problems.</li> <li>Using knowledge of factors, multiples, and primes to simplify and solve problems efficiently.</li> </ul>	
<p>How will this be assessed?</p>		<p>End of unit assessments, End of term assessment (Paper 1 &amp; Paper 2), Mental Maths weekly test</p>	
<p>IPC</p>	<ul style="list-style-type: none"> <li><b>Brainwave: The Brain</b></li> <li><b>Roots, Shoots and Fruits</b></li> </ul>	<p><b><u>Brainwave: The Brain</u></b>  <b>How the Brain Work</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"> <li>Understanding the basic structure and function of the brain, including major parts like the cerebrum, cerebellum, and brainstem.</li> </ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>Identifying the parts of the brain and describing their functions.</li> </ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"> <li>Grasping how the brain controls and processes information, enabling thought, movement, and sensory experiences.</li> </ul>	<p><b><u>Brainwave: The Brain</u></b></p> <p><b>How the Brain Works:</b></p> <ul style="list-style-type: none"> <li>Clearly explaining the basic functions of the brain and nervous system, including how neurons communicate and process information.</li> </ul> <p><b>How Making Connections Impacts Learning:</b></p> <ul style="list-style-type: none"> <li>Confidently explaining understanding how neuron connections strengthen with practice, enhancing learning and memory.</li> </ul> <p><b>Strategies for Remembering Things:</b></p>



		<p><b>How Making Connections Impacts the Brain and Learning</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"><li>• Understanding that learning involves forming new connections (synapses) between neurons.</li></ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"><li>• Recognizing patterns and connections in new information.</li></ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"><li>• Comprehending the importance of making connections between new and existing knowledge to enhance learning.</li></ul> <p><b>Strategies That Can Help Us Remember Things</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"><li>• Understanding various memory techniques such as chunking, visualization, and mnemonic devices.</li><li>• Knowing how repetition and review can help consolidate memory.</li></ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"><li>• Using memory strategies to retain and recall information effectively.</li></ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"><li>• Comprehending how different strategies can enhance memory retention.</li><li>• Understanding the importance of active engagement in learning to improve memory.</li></ul>	<ul style="list-style-type: none"><li>• Effectively using and explaining various memory strategies, such as visualization and chunking, and how they improve recall.</li></ul> <p><b>Impact of a Growth Mindset on Learning:</b></p> <ul style="list-style-type: none"><li>• Articulating how a growth mindset leads to resilience, persistence, and better learning outcomes.</li></ul> <p><b>Using Mindfulness to Manage Emotions and Support Learning:</b></p> <ul style="list-style-type: none"><li>• Regularly practicing mindfulness and explaining how it helps manage emotions, reduce stress, and enhance focus and learning.</li></ul>
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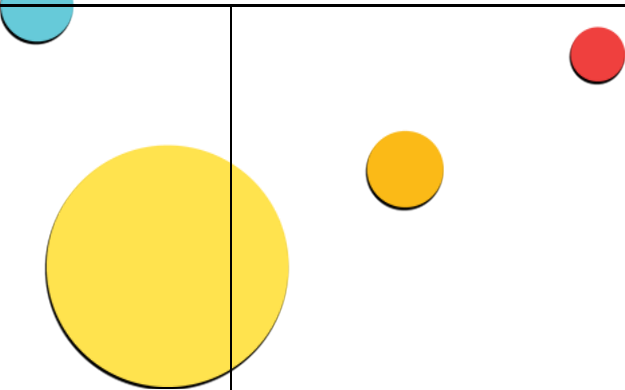
		<p><b>How a Growth Mindset Impacts Learning:</b></p> <ul style="list-style-type: none"> <li>• Understanding that a growth mindset leads to persistence, resilience, and a willingness to learn from mistakes.</li> <li>• Knowing that students with a growth mindset are more likely to take on challenges and seek out feedback.</li> </ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>• Setting learning goals and reflecting on progress.</li> <li>• Embracing challenges and viewing setbacks as opportunities for growth.</li> </ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"> <li>• Comprehending how adopting a growth mindset can lead to improved academic performance and personal development.</li> </ul> <p><b>Using Mindfulness to Manage Emotions and Support Learning</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"> <li>• Understanding the principles of mindfulness and how it can help manage emotions and reduce stress.</li> <li>• Knowing various mindfulness techniques such as deep breathing, meditation, and focused attention.</li> </ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>• Practicing mindfulness techniques to stay calm, focused, and emotionally balanced.</li> </ul> <p><b>Understanding:</b></p>	<p><b><u>Roots, Shoots and Fruits</u></b></p> <p><b>Identifying Parts of a Flower and Their Functions:</b></p> <ul style="list-style-type: none"> <li>• Accurately labels all flower parts and clearly explains each function in reproduction.</li> </ul> <p><b>Recognizing Different Types of Root Systems:</b></p> <ul style="list-style-type: none"> <li>• Accurately identifying and distinguishing between taproot and fibrous root systems</li> <li>• Providing a clear explanation of how each type benefits plants in different environments.</li> </ul> <p><b>Investigating Seed Germination Conditions:</b></p> <ul style="list-style-type: none"> <li>• Designing a well-structured experiment to determine the optimal conditions for seed germination,</li> <li>• Analysing data accurately and explaining how factors like moisture and temperature impact the process.</li> </ul> <p><b>Explaining the Pollination Process:</b></p> <ul style="list-style-type: none"> <li>• Clear explanation of how pollen is transferred by pollinators and the mutual benefits of this relationship for both plants and insects, with accurate observations of pollination in action.</li> </ul> <p><b>Understanding Plant Reproduction:</b></p> <ul style="list-style-type: none"> <li>• A thorough understanding of both sexual and asexual reproduction in plants</li> </ul>
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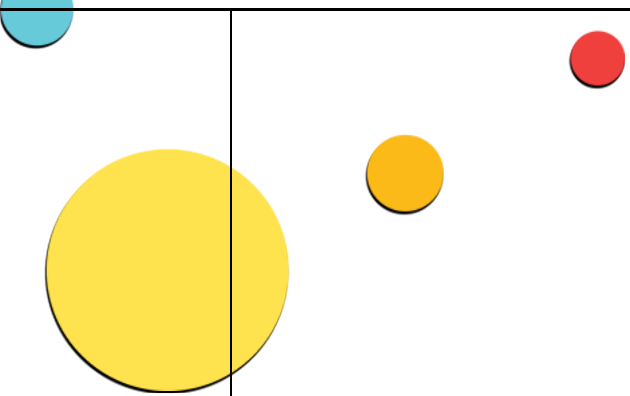


		<p><b>Investigate what is the best condition the seed needs to germinate.</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"><li>• Knowing the essential conditions for seed germination, including moisture, temperature, and oxygen.</li></ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"><li>• Conducting experiments to test different conditions for seed germination.</li></ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"><li>• Analysing results to determine the optimal conditions for seed germination and understanding how environmental factors influence the process.</li></ul> <p><b>Explain the relationship between pollen and pollinators in the pollination process.</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"><li>• Understanding how pollen is transferred from the male to the female parts of a flower, often by insects or other pollinators.</li></ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"><li>• Observing pollination in action and explaining how pollinators contribute to the reproductive cycle of plants.</li></ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"><li>• Recognizing the mutual benefits of pollination for plants and pollinators and its importance for biodiversity and food production.</li></ul> <p><b>The different ways in which plants reproduce.</b></p>	
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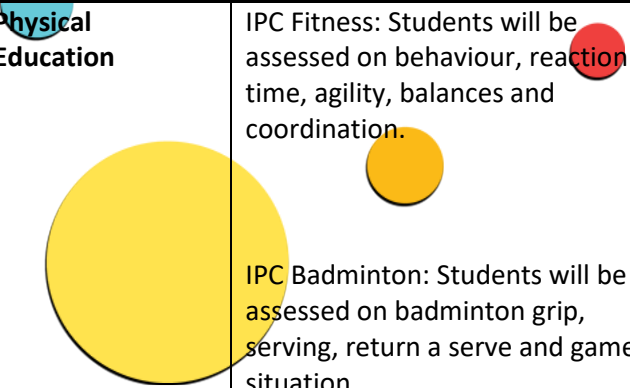




		<p><b>Knowledge:</b></p> <ul style="list-style-type: none"><li>• Understanding the differences between sexual reproduction (involving flowers and seeds) and asexual reproduction (such as runners, tubers, and cuttings).</li></ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"><li>• Identifying examples of plants that reproduce in different ways and explaining the processes involved.</li></ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"><li>• Comprehending the significance of both sexual and asexual reproduction for the survival and spread of plant species.</li></ul> <p><b>Investigate which conditions make a difference to the initial growth of the fruit seeds.</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"><li>• Understanding the factors that influence the early stages of seedling growth, such as light, water, and soil quality.</li></ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"><li>• Conducting controlled experiments to observe how different conditions affect the growth of fruit seeds.</li></ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"><li>• Analysing the impact of various conditions on seedling development and identifying which factors are most critical for healthy growth.</li></ul>	
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		<p><b>Identify characteristics of different methods of seed dispersal.</b></p> <p><b>Knowledge:</b></p> <ul style="list-style-type: none"> <li>Understanding the various methods of seed dispersal, including wind, water, animals, and mechanical ejection.</li> </ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>Observing and categorizing seeds based on their dispersal mechanisms.</li> </ul> <p><b>Understanding:</b></p> <ul style="list-style-type: none"> <li>Recognizing how the characteristics of seeds are adapted to their specific dispersal method and understanding the ecological importance of seed dispersal in plant reproduction.</li> </ul>	
<p>How will this be assessed?</p>		<p>Science Knowledge Assessment, Exit Point presentation and learning journey</p>	
<p><b>Bahasa Melayu</b></p>	<p><u>Keluarga Bahagia, Peristiwa di Sekolah</u></p>	<p><b>Knowledge</b> Students will learn vocabulary and phrases related to family life and school events, including terms for family relationships, school activities, and important occasions.</p> <p><b>Skills</b> Students will develop the ability to describe their family members and school events in both spoken and written Malay, using appropriate sentence structures and vocabulary.</p> <p><b>Understanding</b> Students will understand the significance of family happiness and the role of positive relationships at home and school, as well as</p>	<ul style="list-style-type: none"> <li>Confident and accurate use of vocabulary to describe family members and school events in both written and spoken Malay.</li> <li>Ability to write well-structured sentences that clearly convey ideas about family life and school experiences.</li> <li>Active participation in discussions, showing thoughtful reflections on the importance of family happiness and school events.</li> <li>Creative presentations that illustrate their understanding of the topic, incorporating personal experiences and insights.</li> </ul>

		the importance of participating in and reflecting on school events.	
How will this be assessed?		Vocabulary quizzes, writing assignments, class participation	
<b>Mandarin</b>	Beginner: They are all work Advanced: 你去过哪里？	<p>Beginner: Students will learn how to say different family members in Chinese and mastered the writing methods of these words. In addition, students read and understand the passage and answer relevant questions.</p> <p>Advanced : 在五年级汉语课程中，主题“你去过哪里？”将通过以下方面进行评估：</p> <p><b>知识:</b></p> <ul style="list-style-type: none"> <li>学习与旅行和地点相关的词汇，如“北京” (Běijīng) 和“博物馆” (bówùguǎn - museum)。</li> </ul> <p><b>理解:</b></p> <ul style="list-style-type: none"> <li>认识并正确使用与旅行经历相关的词汇和句型，能够描述去过的地方。</li> </ul>	<p>Beginner:</p> <ul style="list-style-type: none"> <li>Read the passages</li> <li>Use words related to family members (e.g. 外公、外婆、爷爷, etc.)</li> <li>Answer relevant questions correctly</li> <li>Write the correct stroke order</li> </ul> <p>Advanced : 优秀表现包括：学生能够流利地描述自己去过的地方，使用准确的词汇和句型。他们能理解和使用与旅行相关的词汇，清晰地书写旅行经历。</p>
How will this be assessed?		Comprehension reading assessment and writing short passage/sentences/phrases. Q and A discussion during the lesson	



<p><b>Physical Education</b></p>	<p>IPC Fitness: Students will be assessed on behaviour, reaction time, agility, balances and coordination.</p> <p>IPC Badminton: Students will be assessed on badminton grip, serving, return a serve and games situation.</p>	<p><b>Knowledge:</b></p> <p>Students will gain knowledge and understanding of the basic components of fitness.</p> <p>Students will learn the basic rules and regulations of badminton.</p> <p><b>Understanding:</b></p> <p>Students will gain understanding the important of reaction times in invasion games, the relation of body posture and strength in balances, the correct movement of body parts in coordination and changing direction of movement in rapid motion.</p> <p>Students will learn on how to perform a serve with a good technique, return a shot within a good space and beat the opposition games.</p> <p><b>Skills:</b></p> <p>Students will learn on how to improve their reaction time in variety of games, the important of strength in balances, the correct movement of body parts in coordination and changing direction of movement in rapid motion.</p>	<p>IPC Fitness unit:</p> <p>Students able to react quickly into the games and able to follow teachers' instructions</p> <p>Students can change the direction in a fast motion and well timing</p> <p>Students able to show a good body balances, strength and body posture</p> <p>Students able to demonstrate a good coordination of their body parts movement in striking skills.</p> <p>IPC Badminton unit:</p> <p>Student able to demonstrate a correct badminton grip in serving and return</p> <p>Student able to perform a serve over the net</p> <p>Student able to return a shot in a games</p> <p>Student able to maintain a rally in a games</p>
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		Students will learn on how to perform a serve with a correct grip and return a shot with a good technique.	
How will this be assessed?			
<b>Music</b>	Ukulele	<p>Students will learn the fundamentals of the ukulele and explore various types of ukulele music. They will be introduced to the instrument's parts and how to hold and tune the ukulele properly. The focus will be on learning the basic techniques, including proper fingering and hand placement, to play simple chords. Students will practice changing between chords smoothly to develop their coordination and finger strength.</p> <p>Students will apply simple rhythmic patterns to their ukulele playing, focusing on comping styles and patterns. They will learn to strum using basic rhythms such as crotchets (quarter notes) and quavers (eighth notes) to develop their sense of timing and rhythm. Through guided exercises, they will practice these strumming patterns both individually and in groups, learning how to keep a steady beat while playing. Additionally, students will learn more complex comping patterns by listening to and echoing practical demonstrations, allowing them to develop their listening skills and ability to replicate rhythms.</p>	<ul style="list-style-type: none"> <li>• Excellence in Understanding: Students demonstrate a thorough understanding of the ukulele, including knowing all the parts of the instrument, how to properly hold it, and how to tune it independently. They can identify and explain the function of different ukulele parts and show confidence in preparing the instrument for playing.</li> <li>• Excellence in Technique: Students exhibit excellent finger placement and technique when playing chords. They can smoothly transition between chords without hesitation or delay, maintaining consistent sound quality. Their hand positioning is correct and relaxed, allowing them to play for extended periods without discomfort.</li> </ul>
How will this be assessed?		Practical demonstration	

