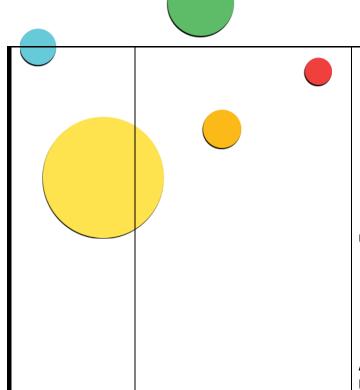


# Straits International School Rawang Curriculum Overview – Year 5 Autumn Term 1.1 2025/2026

- Term What will we learn?	What KUS will we gain?	What will excellence look like?
<ul> <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> <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> <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 thesauraus to extend their vocabulary choices.</li> </ul>
his be assessed?	Students will write their own story set in a differ Students will also have weekly spelling tests and	rent world, with emphasis on their descriptive settings. I a reading comprehension assessment.
<ul> <li>Place Value</li> <li>Addition and Subtractio</li> <li>Multiplication &amp; Division</li> </ul>		Place Value:
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- Read, write, order, and compare numbers to 1,000,000.
- Count forwards or backwards in powers of 10 for any given number up to 1,000,000.
- Round numbers up to 1,000,000 to the nearest 10, 100, 1,000, 10,000, and 100,000.
- Solve number problems and practical problems that involve all of the above.

### **Understanding:**

- Grasp how place value works within larger numbers and how it is applied in different contexts.
- Understand the importance of zero and how it functions as a placeholder in large numbers.

# Addition and Subtraction Knowledge:

- Understand the use of formal written methods for addition and subtraction of large numbers (more than 4 digits).
- Recognize the importance of estimation and mental arithmetic in addition and subtraction.

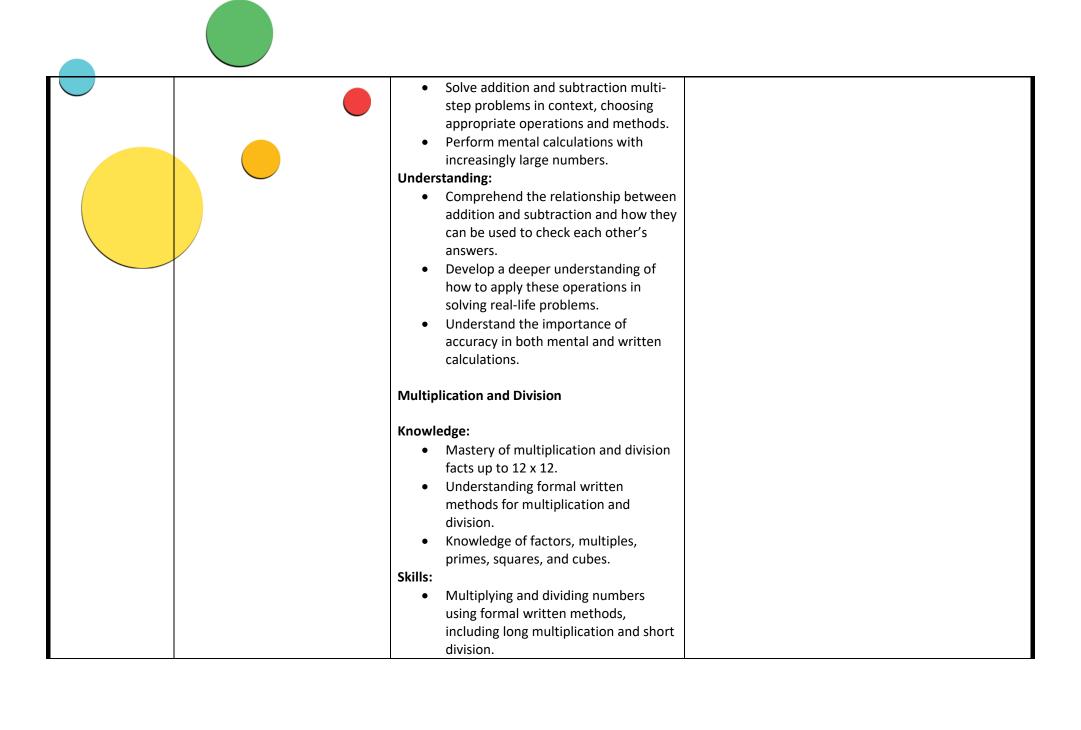
#### Skills:

- Add and subtract whole numbers with more than 4 digits using formal written methods.
- Use rounding to check the accuracy of answers.

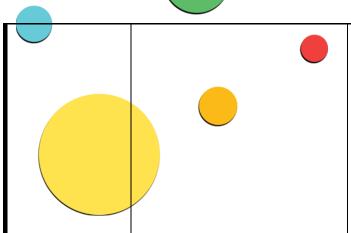
- Effortlessly adds and subtracts large numbers using formal methods.
- Uses mental strategies for efficient calculation.
- Solves multi-step problems accurately, choosing the most effective method and checking answers using estimation.

### Multiplication and Division:

- Rapid recall of multiplication and division facts up to 12 x 12.
- Applies knowledge of factors, multiples, and prime numbers to solve complex problems.



	<ul> <li>Solving problems involving multiplication and division with remainders interpreted appropriately.</li> <li>Identifying and using factors, multiples, and prime numbers in calculations.</li> <li>Recognizing and using square and cube numbers in problem-solving.</li> <li>Understanding:         <ul> <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> </li> </ul>	
How will this be assessed?	End of unit assessments, End of term assessmen	t (Paper 1 & Paper 2), Mental Maths weekly test
<ul> <li>Brainwave: The Brain</li> <li>Roots, Shoots and Fruits</li> </ul>	Brainwave: The Brain  How the Brain Work  Knowledge:  • Understanding the basic structure and function of the brain, including major parts like the cerebrum, cerebellum, and brainstem.  Skills:  • Identifying the parts of the brain and describing their functions.  Understanding:  • Grasping how the brain controls and processes information, enabling	How the Brain Works:      Clearly explaining the basic functions of the brain and nervous system, including how neurons communicate and process information.  How Making Connections Impacts Learning:      Confidently explaining understanding how neuron connections strengthen with practice, enhancing learning and memory.



thought, movement, and sensory experiences.

# How Making Connections Impacts the Brain and Learning

#### Knowledge:

 Understanding that learning involves forming new connections (synapses) between neurons.

#### Skills:

 Recognizing patterns and connections in new information.

### **Understanding:**

 Comprehending the importance of making connections between new and existing knowledge to enhance learning.

# Strategies That Can Help Us Remember Things

### **Knowledge:**

- Understanding various memory techniques such as chunking, visualization, and mnemonic devices.
- Knowing how repetition and review can help consolidate memory.

#### Skills:

 Using memory strategies to retain and recall information effectively.

# **Understanding:**

 Comprehending how different strategies can enhance memory retention.

## **Strategies for Remembering Things:**

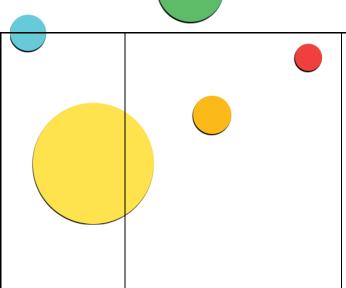
 Effectively using and explaining various memory strategies, such as visualization and chunking, and how they improve recall.

# Impact of a Growth Mindset on Learning:

 Articulating how a growth mindset leads to resilience, persistence, and better learning outcomes.

# Using Mindfulness to Manage Emotions and Support Learning:

 Regularly practicing mindfulness and explaining how it helps manage emotions, reduce stress, and enhance focus and learning.



 Understanding the importance of active engagement in learning to improve memory.

## **How a Growth Mindset Impacts Learning:**

- Understanding that a growth mindset leads to persistence, resilience, and a willingness to learn from mistakes.
- Knowing that students with a growth mindset are more likely to take on challenges and seek out feedback.

#### **Skills:**

- Setting learning goals and reflecting on progress.
- Embracing challenges and viewing setbacks as opportunities for growth.

#### **Understanding:**

 Comprehending how adopting a growth mindset can lead to improved academic performance and personal development.

# Using Mindfulness to Manage Emotions and Support Learning Knowledge:

- Understanding the principles of mindfulness and how it can help manage emotions and reduce stress.
- Knowing various mindfulness techniques such as deep breathing, meditation, and focused attention.

#### **Skills:**

 Practicing mindfulness techniques to stay calm, focused, and emotionally balanced.

#### **Roots, Shoots and Fruits**

# **Identifying Parts of a Flower and Their Functions:**

 Accurately labels all flower parts and clearly explains each function in reproduction.

#### **Recognizing Different Types of Root Systems:**

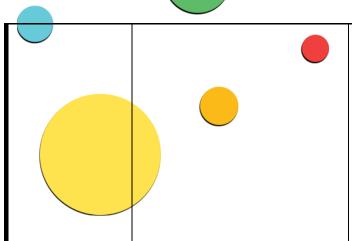
- Accurately identifying and distinguishing between taproot and fibrous root systems
- Providing a clear explanation of how each type benefits plants in different environments.

### **Investigating Seed Germination Conditions:**

- Designing a well-structured experiment to determine the optimal conditions for seed germination,
- Analysing data accurately and explaining how factors like moisture and temperature impact the process.

# **Explaining the Pollination Process:**

 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.



# **Understanding:**

 Comprehending how mindfulness can enhance emotional regulation, reduce stress, and improve overall well-being.

#### **Roots, Shoots and Fruits**

Identify the parts of a flower and their functions.

### **Knowledge:**

 Understanding the key parts of a flower, such as petals, stamens, pistils, and sepals.

#### Skills:

 Identifying and labeling the parts of a flower in diagrams and actual specimens.

### **Understanding:**

 Recognizing the interdependence of plant parts in maintaining the health and growth of the plant.

# Recognize the different types of root systems.

# Knowledge:

 Understanding the differences between taproot and fibrous root systems.

#### Skills:

 Observing and categorizing various plants based on their root systems.

# **Understanding:**

 Comprehending the advantages of different root systems in various environments and their role in water and nutrient absorption.

# **Understanding Plant Reproduction:**

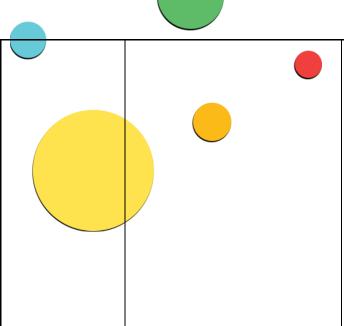
- A thorough understanding of both sexual and asexual reproduction in plants
- Confidently give examples and explain the significance of each method for plant survival and propagation.

#### **Investigating Conditions for Fruit Seed Growth:**

 Conducting a detailed investigation to identify the key conditions that affect the initial growth of fruit seeds, with precise observations and well-reasoned conclusions.

# **Identifying Seed Dispersal Methods:**

- Accurately describing and categorizing different methods of seed dispersal
- Confidently explaining how each method supports the spread and survival of plant species in various environments.



Investigate what is the best condition the seed needs to germinate.

#### **Knowledge:**

 Knowing the essential conditions for seed germination, including moisture, temperature, and oxygen.

#### Skills:

 Conducting experiments to test different conditions for seed germination.

### **Understanding:**

 Analysing results to determine the optimal conditions for seed germination and understanding how environmental factors influence the process.

# Explain the relationship between pollen and pollinators in the pollination process. Knowledge:

 Understanding how pollen is transferred from the male to the female parts of a flower, often by insects or other pollinators.

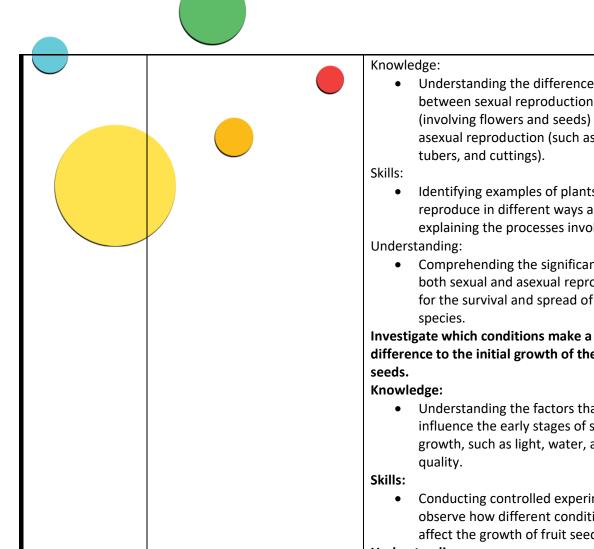
#### Skills:

 Observing pollination in action and explaining how pollinators contribute to the reproductive cycle of plants.

# **Understanding:**

 Recognizing the mutual benefits of pollination for plants and pollinators and its importance for biodiversity and food production.

The different ways in which plants reproduce.



• Understanding the differences between sexual reproduction (involving flowers and seeds) and asexual reproduction (such as runners,

Identifying examples of plants that reproduce in different ways and explaining the processes involved.

 Comprehending the significance of both sexual and asexual reproduction for the survival and spread of plant

difference to the initial growth of the fruit

• Understanding the factors that influence the early stages of seedling growth, such as light, water, and soil

• Conducting controlled experiments to observe how different conditions affect the growth of fruit seeds.

# **Understanding:**

 Analysing the impact of various conditions on seedling development and identifying which factors are most critical for healthy growth.

		Identify characteristics of different mother-de-	
		Identify characteristics of different methods of seed dispersal.	
		•	
		Knowledge:	
		Understanding the various methods of	
		seed dispersal, including wind, water,	
		animals, and mechanical ejection.	
		Skills:	
		<ul> <li>Observing and categorizing seeds</li> </ul>	
		based on their dispersal mechanisms.	
		Understanding:	
		<ul> <li>Recognizing how the characteristics of</li> </ul>	
		seeds are adapted to their specific	
		dispersal method and understanding	
		the ecological importance of seed	
		dispersal in plant reproduction.	
How will this be as	ssessed?	IPC Knowledge Assessment, Exit Point presentati	ion and learning journey
Bahasa Melayu	Keluarga Bahagia, Peristiwa di	Knowledge	<ul> <li>Confident and accurate use of vocabulary to</li> </ul>
	Sekolah	Students will learn vocabulary and phrases	describe family members and school events in
		related to family life and school events,	both written and spoken Malay.
		including terms for family relationships, school	<ul> <li>Ability to write well-structured sentences that</li> </ul>
		activities, and important occasions.	clearly convey ideas about family life and
			school experiences.
		Skills	<ul> <li>Active participation in discussions, showing</li> </ul>
		Students will develop the ability to describe	thoughtful reflections on the importance of
		their family members and school events in	family happiness and school events.
		both spoken and written Malay, using	Creative presentations that illustrate their
		appropriate sentence structures and	understanding of the topic, incorporating
		vocabulary.	personal experiences and insights.
		Understanding	
		Students will understand the significance of	
		family happiness and the role of positive	
		_	

		the importance of participating in and reflecting on school events.	
How will this be	e assessed?	Vocabulary quizzes, writing assignments, class participation	
<b>Mandarin</b> Bea	Beginner: They are all work  Advanced: 你丢过哪里?	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.	Beginner:     Read the passages     Use words related to family members (e.g. 外公、外婆、爷爷, etc.)     Answer relevant questions correctly     Write the correct stroke order
		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: 知识:	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。
		● 学习与旅行和地点相关的词汇·如" 北京" (Běijīng) 和"博物馆" (bówùguǎn - museum)。	
		<b>理解:</b> ● 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。	
How will this be	e assessed?	Comprehension reading assessment and writing Q and A discussion during the lesson	g short passage/sentences/phrases.



# Physical Education

IPC Fitness: Students will be assessed on behaviour, reaction time, agility, balances and coordination.

IPC Badminton: Students will be assessed on badminton grip, serving, return a serve and games situation.

# **Knowledge:**

Students will gain knowledge and understanding of the basic components of fitness.

Students will learn the basic rules and regulations of badminton.

# **Understanding:**

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.

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.

#### Skills:

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.

#### IPC Fitness unit:

Students able to react quickly into the games and able to follow teachers' instructions

Students can change the direction in a fast motion and well timing

Students able to show a good body balances, strength and body posture

Students able to demonstrate a good coordination of their body parts movement in striking skills.

#### IPC Badminton unit:

Student able to demonstrate a correct badminton grip in serving and return

Student able to perform a serve over the net Student able to return a shot in a games Student able to maintain a rally in a games

		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?		Class observations, and skills testing at the end of each term.	
Music	Students will learn to play basic chords and strumming patterns on the ukulele.	Students will gain knowledge of ukulele parts and tuning, understanding of chord changes, and skills in unison playing, simple melodies, and rhythm coordination.	Students will confidently change between C, Am, and F chords, keep a steady strumming pattern, and perform simple songs together in time.
How will this be as	sessed?	Practical demonstration	•