

Curriculum Overview - Year 5

Subject: English



Topics

Reading

- VIPERS comprehension: The Firework Maker's Daughter

Writing

- Diary entries and narrative writing
- Poetry and descriptive language
- Grammar and punctuation



What KSU will we gain?

Reading

- Knowledge: Understand VIPERS strategies and the use of dictionaries and thesauruses.
- Skills: Apply comprehension strategies and analyse vocabulary, poetic language and structure.
- Understanding: Understand how textual clues, word choices and structure convey meaning.

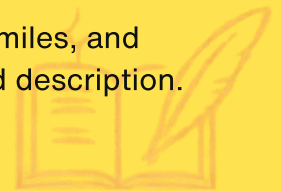
Writing:

- Knowledge: Know the features of diary writing and poetry, key figurative devices, punctuation rules and language conventions.
- Skills: Write diary entries and poems using appropriate structure, vocabulary, tone and figurative language; apply accurate punctuation and cohesive devices.
- Understanding: Understand how narrative voice, poetic devices, grammar and language choices improve clarity, express emotions and engage readers.



What Excellence Looks Like

- Explain and Apply Vocabulary: Confidently define ambitious new words and use them accurately in context.
- Justify Reading Analysis: Back up predictions, inferences, and explanations with clear, well-supported text evidence.
- Structure Diary Entries: Use a date, time, and chronological paragraphs to organize writing around clear themes.
- Express Thoughts and Feelings: Combine facts, opinions, and personal reactions to clearly show the writer's point of view.
- Control Style and Tone: Write in an authentic, informal style that speaks directly to the reader.
- Craft Figurative Language: Use metaphors, similes, and hyperbole to create vivid images in poetry and description.



HOW WE WILL BE ASSESSED

Reading

Reading Comprehension assessments

Weekly Spelling Tests

Writing

Students will independently plan, write, edit and publish their own diary entry and poem Rubrics will be used to evaluate writing

Curriculum Overview - Year 5

Subject: Maths



Topics

Multiplication and Division A

- Prime, square and cube numbers.
- Multiply and divide by 10, 100 and 1,000.

Fractions A

- Equivalent fractions and mixed numbers.
- Compare, order, add and subtract fractions.



What KSU will we gain?

Multiplication and Division A

- Knowledge (K): Prime numbers, factors, square and cube numbers, and place value.
- Skills (S): Identify prime factors; calculate squares and cubes; multiply and divide by 10, 100 and 1,000.
- Understanding (U): Understand place value changes and the relationship between square numbers, area and cube numbers, volume.

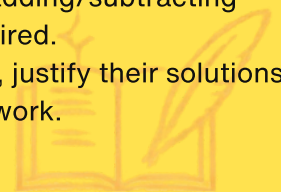
Fractions A

- Knowledge (K): Unit, non-unit, equivalent, improper fractions and mixed numbers.
- Skills (S): Generate equivalent fractions, convert between improper fractions and mixed numbers, compare, order, add and subtract fractions.
- Understanding (U): Understand fraction equivalence, the relationship between division and fractions, and the role of common denominators in calculations.



What Excellence Looks Like

- Instantly apply multiplication and division facts to solve multi-step problems and explain their mathematical thinking using precise vocabulary.
- Multiply and divide fluently by 10, 100, and 1,000, using digits shifting across place value columns rather than relying on counting zeros.
- Recognise and use properties of prime, square, and cube numbers, factors, and multiples to simplify calculations and solve real-world problems.
- Move effortlessly between improper fractions and mixed numbers, and use common denominators to compare, order, and simplify fractions.
- Perform fractional calculations flexibly, including adding/subtracting mixed numbers and breaking the whole when required.
- Approach complex tasks with systematic methods, justify their solutions clearly, and independently check and adjust their work.



HOW WE WILL BE ASSESSED

- Weekly Mental Maths
- End of unit assessments
- End of term assessments



Curriculum Overview - Year 5

Subject: IPC



Topics

Fairgrounds

- Science: Forces, motion, energy, friction, simple machines, magnetism and electrical circuits.
- ICT: Coding, debugging and simulating fairground rides.
- International: Global theme park designs, layouts and architecture.
- Design and Technology: Designing and building interactive fairground games using mechanisms and circuits.



What KSU will we gain?

Knowledge (K)

- Identify forces, energy transformations, simple machines and electrical circuits.
- Understand algorithms, programming structures and global theme park designs.
- Know how mechanical and electrical components can be integrated into interactive games.

Skills (S)

- Measure forces, conduct fair tests, build circuits and test magnets.
- Code interactive rides and research global theme parks.
- Create design specifications, annotated diagrams and working prototypes safely.

Understanding (U)

- Understand how forces affect motion and how machines transfer energy.
- Understand how technology models and controls mechanical systems.
- Understand how testing, evaluation and cultural factors influence design decisions.



What Excellence Looks Like

- Accurately describe how gravity, friction, and Newton's laws act on rides, using advanced terminology like centripetal force and inertia to explain complex features like rollercoaster loops.
- Use Newton meters with precision, spot clear numerical patterns in weight and force investigations, and detail findings in structured reports.
- Correctly identify, measure, and explain transitions between potential and kinetic energy in practical experiments.
- Construct functioning series and parallel circuits, explain their operational differences clearly, and demonstrate how simple machines provide mechanical advantage.
- Write logical, efficient code to animate fairground rides, independently diagnosing and resolving bugs when problems arise.
- Conduct thorough international theme park research, explaining clearly how geography, climate, and local culture influence design choices.
- Design and build high-quality, functional fairground games that seamlessly incorporate simple machines, magnets, or working electrical circuits to enhance gameplay.



HOW WE WILL BE ASSESSED

- Experiments
- Knowledge Assessment
- Learning Journey
- Exit Point

Curriculum Overview - Year 5

Subject: Bahasa Melayu



Topics

Sihat dan Cergas (Health & Fitness) and Permainan dan Bersukan (Games & Sports)



What KSU will we gain?

Knowledge:

- Understand the key components of a healthy lifestyle, including regular exercise and a balanced diet.
- Learn vocabulary related to health and fitness, including terms for different types of physical activities (e.g., running, swimming, cycling) and food groups (e.g., carbohydrates, proteins, vitamins).
- Recognise the physical, mental, and social benefits of staying active and eating nutritious food.

Skills:

- Ability to identify different types of physical activities and explain how they contribute to fitness (e.g., "Playing football helps improve stamina").
- Explain the importance of a balanced diet and identify healthy food choices.
- Apply decision-making skills to plan a simple daily routine that includes physical activity and healthy meals.

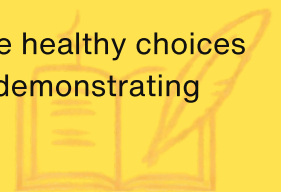
Understanding:

- Appreciate how regular physical activity and a balanced diet can improve both physical and mental health.
- Understand the long-term benefits of staying active and healthy, such as increased energy, better focus, and stronger immunity.
- Develop awareness of how lifestyle choices, such as playing sports and eating well, affect overall well-being.



What Excellence Looks Like

- Students can clearly explain the benefits of regular physical activity and a balanced diet.
- Students can provide examples of healthy food choices and various physical activities
- Students actively participate in discussions and activities, sharing insights about their own routines, and how they stay healthy.
- Students create a well-structured and realistic daily or weekly plan that includes healthy meals and regular exercise, showing thoughtful decision-making.
- Students encourage their classmates to make healthy choices and contribute positively to group activities, demonstrating teamwork and leadership.



HOW WE WILL BE ASSESSED

Participation, Group Activities, Written Work, Creative Task

Curriculum Overview - Year 5

Subject: Mandarin



Topics

Beginner:

Three Friends and She Wears a Dress

Advanced: Weather, Seasons, Health & Physical Description



What KSU will we gain?

Beginner:

- K – Students will learn vocabulary and adjectives used to describe a person's appearance, including height and build, as well as words for clothing. They will learn to recognise and write the relevant Chinese characters using the correct stroke order.
- S – Students will practise describing a person's appearance and clothing using appropriate vocabulary and sentence structures. They will develop their reading comprehension by identifying key information in passages and answering relevant questions accurately. They will also practise writing Chinese characters clearly and correctly.
- U – Students will understand how adjectives and clothing vocabulary work together to create a clear description of a person. They will understand the meaning of familiar words and sentences within a passage and use information from the text to support their answers.

Advanced:

K – Knowledge

- Vocabulary for weather, seasons, clothing, health, body parts and appearance.
- Sentence structures for describing weather, temperatures, symptoms, people and animals.

U – Understanding

- Understand how to describe weather, seasons and temperatures.
- Understand how to describe common illnesses, symptoms and physical features.
- Understand how Mandarin is used to communicate information about familiar real-world situations.

S – Skills

- Listen for key information in weather reports and health-related conversations.
- Describe weather, clothing, symptoms, people and animals in Mandarin.
- Ask and answer questions about familiar topics.
- Read and write short descriptions using familiar vocabulary and sentence structures.
- Communicate increasingly detailed information in speaking and writing.



What Excellence Looks Like

Beginner:

- Read passages aloud with accurate pronunciation and clear expression.
- Use vocabulary for physical appearance and clothing, such as 高 (tall), 矮 (short), 胖 (fat), 瘦 (thin), 毛衣 (jumper) and 牛仔裤 (jeans), to describe people accurately.
- Show understanding by answering questions about the passages correctly.
- Write familiar Chinese characters clearly, using correct stroke order.

Advanced:

- Produce connected descriptions with accurate details.
- Combine several features in a single response.
- Explain information clearly.
- Respond appropriately to follow-up questions.
- Use increasingly varied vocabulary and sentence structures.
- Communicate using connected sentences rather than isolated phrases.



HOW WE WILL BE ASSESSED

Students will complete listening comprehension, weather-report presentations, reading tasks, doctor-patient role-plays, descriptive speaking and writing tasks. Assessment will focus on vocabulary range, accuracy, comprehension, pronunciation and ability to develop descriptions.

Curriculum Overview - Year 5

Subject: Physical Education



Topics

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.



What KSU will we gain?

Knowledge:

- Students will gain knowledge and understanding of the basic components of fitness.
- Students will learn the basic rules and regulations of badminton.

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.
- Students will learn on how to perform a serve with a correct grip and return a shot with a good technique.

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.



What Excellence Looks Like

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.

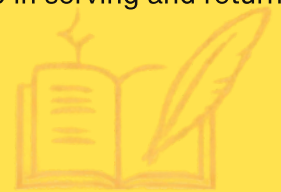
IPC Badminton unit:

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



HOW WE WILL BE ASSESSED

Practical assessment



Curriculum Overview - Year 5

Subject: Music



Topics

In this unit, students will explore the tonic triad, learning to identify the quality of different pieces of music through listening activities. They will listen to various pieces and describe the mood, color, and texture of the music. Additionally, students will engage in a music appreciation project where they arrange and categorize a set of instruments into a box project, learning about instrument families and how different instruments contribute to the overall sound of a piece



What KSU will we gain?

- **Knowledge:** Students will learn about the tonic triad (the 1st, 3rd, and 5th notes of a scale) and how it forms the foundation of many musical pieces. They will also gain knowledge of how different instruments can be grouped and how their roles contribute to the mood and texture of a composition.
- **Skills:** Students will develop listening skills by identifying musical elements such as mood and texture in different pieces. They will also enhance their organizational and analytical skills through the arrangement of instruments in their box project, improving their understanding of instrument families and orchestration.
- **Understanding:** Students will understand how to listen critically to music and analyse its emotional qualities, recognizing how elements such as the tonic triad influence the overall mood. They will also develop an understanding of how to categorise instruments based on their sound qualities and role in an ensemble.



What Excellence Looks Like

Excellence will be demonstrated by students who can confidently identify the mood, color, and texture of music using appropriate musical terminology. They will show a deep understanding of the role of the tonic triad in shaping the sound of a piece. In their instrument box project, students achieving excellence will create a well-organized and thoughtful arrangement of instruments, showing a clear understanding of instrument families and their contributions to the music.



HOW WE WILL BE ASSESSED

Written assessment and practical observation