

KINDERGARTEN 2 CURRICULUM

LITERACY

Based on the UK National Curriculum

Spoken Language

- Speak audibly and fluently with an increasing command of Standard English
- Listen and respond appropriately
- Work productively individually and in groups
- Use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- Participate in discussions, presentations, performances, roleplay/improvisations

Spelling, Handwriting and Presentation

- Name the letters of the alphabet in order
- Begin to form lower-case letters in the correct direction
- Form capital letters and digits 0-9
- Understand which letters belong to which handwriting families
- Use the spelling rule for the plurals (nouns)
- Spell the days of the week, common sight words
- Compose a sentence orally before writing
- Sequencing sentences to form short narratives

Reading and Comprehension

- Apply phonic knowledge and skills as the route to decode words
- Read accurately by blending sounds in unfamiliar words
- Read common sight words, regular words with short vowels
- Develop pleasure, vocabulary and understanding in reading by:
 - Listening to and discussing a wide range of stories and non-fiction
 - Becoming familiar and retelling stories
 - Discussing and clarifying meaning of words
 - Understand what they read and listen by
 - Drawing on what they already know and correcting inaccurate reading
 - Discussing the significance of title and events
 - Making inferences and predicting on the basis of what is being said and done
 - Reading for themselves, taking turns and listening to others

Vocabulary, Grammar and Punctuation

- Leave spaces between words
- Begin to use punctuation
- Use a capital letter for people, places, the days of the week and 'I'
- Combine words to make sentences
- Join words using 'and'
- Use and understand the grammatical terminology in discussing their writing and reading

KINDERGARTEN 2 CURRICULUM

NUMERACY

Growing with Mathematics

Whole Numbers

Numbers to 100

- Recognise, count, read and write from 0 to 99 in numerals
- Express numbers up to 99 as tens and ones
- Compare and order numbers to 99
- Find the missing numbers in a number position
- Skip count by ones, twos, fives and tens
- Spell number words

Addition and subtraction within 20

- Add and subtract using manipulatives and pictures
- Add by counting on and using a number line
- Make addition and subtraction stories using pictures
- Subtract by taking away and counting back, using a number line
- Write and complete addition and subtraction equations
- Relate addition and subtraction equations

Multiplication and division

- Use picture and objects to find the total number of items in groups of the same size
- Use objects or pictures to find the number of items in a group when sharing equally

Measurement

Length

- Compare objects using the words tall/taller/tallest, long/longer/longest and short/shorter/shortest
- Compare two lengths by comparing each with a third length
- Measure length using non-standard units
- Familiarise with standard units of measurement for length: inch and centimeter

Weight

- Compare objects using the words heavy/heavier/heaviest and light/lighter/lightest
- Use the weighing balance to compare length
- Measure weight using non-standard units

Temperature

- Describe temperature using appropriate vocabulary such as hot, warm, cold
- Identify the thermometer as a tool for measuring temperature

Money

- Name different coins and notes of the Singapore currency
- Understand and use the symbols ¢ for cents
- Skip count to find the value of the group of coins/notes of the same denomination

Geometry

Shapes, Patterns and Symmetry

- Identify, name, describe and classify 2D shapes: circle, semi-circle, oval, triangle, square, crescent, star
- Recognise, name and describe the circle, triangle, square and rectangle in real objects and pictures
- Make patterns using rhythm, sound, shapes, rotation, color, number, size and sequence of events
- Use patterns to predict what comes next
- Identify dot patterns in dominoes
- Identify shapes that has a line of symmetry

Fractions & Data Analysis

Fractions

- Use manipulatives and drawings to model halves, thirds and fourths as equal parts
- Identify fractions as equal parts of a whole or a collection
- Make notation for writing fractions

Exploring data

- Count using tally marks
- Build and discuss graphs made that are theme related
- Collect and classify data
- Identify the highest and lowest numbers in a data set
- Compare less than, greater than and equal to from a graph

KINDERGARTEN 2 CURRICULUM

INTERNATIONAL PRIMARY CURRICULUM

Learning Goals

Learning Goals are the foundation on which the International Primary Curriculum is built. The Learning Goals define what children might be expected to know, what they might be able to do and the understandings they might develop as they move through grade levels.

The IPC contains Learning Goals for every subject of the curriculum, for personal development and for the development of international understanding.

The subject goals cover the knowledge (the facts and information children might learn), the skills (those practical abilities children need to be able to do) and the understandings (the deeper awareness of key concepts which develops over time).

K2 Units

Themed units help children to see how subjects are both independent and interdependent. This enables them to see the big picture of their learning, make connections across different subjects, and talk about a topic from multiple perspectives.

Brainwave Unit:

Our brain is special because it does a lot of amazing things. Once we understand how our brain works and what we can do to make it work even better, then we can improve the way that we learn.

Our World:

Our world is where we live: our home, our family, our school. It is the places that we go, the people that we meet, the things that we can see, smell, hear, taste and touch. Our world is important, because we share it with lots of other living things. We need to treat our world with respect to ensure that it is well looked after so that every person, animal and plant can live healthily and enjoy it.

A Day in the Life:

It can be fun to imagine what we want to do when we grow up. The world is full of lots of different and exciting jobs. But we should remember to celebrate the things we can do now; the hobbies and interests that we enjoy, and the learning we do at school to help us achieve our goals.

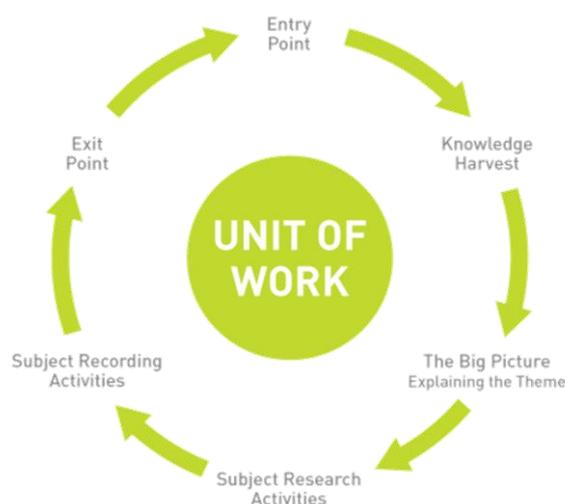
The Magic Toymaker:

Toys come in many shapes and sizes. They are made of different materials but all are designed for us to have fun with, to learn new skills and to exercise our bodies and our imagination.

Unit of Work

The Process of the IPC

The units of work provide practical activities, plus a wealth of other supportive information. Each unit is structured to make sure that children's learning experiences are as stimulating as possible.



The **entry point** is an activity for children that begins each unit of work and provides an exciting introduction to the work that is to follow. Entry points can last from one hour to a week, depending on the age of the children and the task at hand.

The **knowledge harvest** takes place in the early stages of each unit and provides an opportunity for children to reveal what they already know about the themes they are studying. This bank of knowledge can then be added to, developed and even challenged by the teacher, throughout the course of the unit.

The **big picture** provides teachers with subject-based background information to the issues contained within the unit. **Explaining the theme** involves the teacher helping the children to see the 'big idea' of the unit of work before embarking on the subject learning.

Each IPC unit has **research activities and recording activities**. Research activities always precede the recording activities. During research activities, children use a variety of methods and work in different group sizes to find out a range of information. During the recording activities, children interpret the learning they have researched and have the opportunity to demonstrate, share and explain their learning in different ways.

The **exit point** has two main purposes. First, to help children pull together their learning from the unit and second, to celebrate the learning that has taken place.

KINDERGARTEN 2 CURRICULUM

Science

In addition to the International Primary Curriculum, K2 will have an investigation led science curriculum which will focus on the following topics:

Life Science : Animals two by two

The Animals two by two Module provides experiences that heighten students' awareness of the living world. They observe and compare guppies and goldfish, land and water snails, red worms and night crawlers and learn about the structures and behaviour.

Earth Science : Trees and Weather

The Trees and Weather module provides students' with the skills to observe and compare trees and weather using their senses and simple tools. They will be able to communicate their observations made about different trees, leaves and weather conditions orally and through drawings.

Physical Education

The physical education curriculum for K2 focuses on the following skills:

Strength, Agility and Resilience -Students are introduced to safety first and basic techniques of quick body agility drills.

Captain's Ball - Students are introduced to the safety rules and learn the skills of hard passes and catch drill, short passes with two hands and overhead passes.

Baseball with Standing Tee - Students are introduced to baseball, they will learn to demonstrate a swing with the bat and the ball on the tee. This will be extended to running to the cone bases after swinging.

Skiping - Students are introduced to basic jump rope skills swing. They will build on the skills of running or moving while skiping, and backwards jumps.

Mandarin

The Mandarin curriculum aims to develop the four essential skills of listening, speaking, reading and writing. The students will:

- Acquire a core vocabulary of 50 words
- Identify common frequently used words that are closed to daily life
- Identify frequently used greetings and phrases. Communicate with basic words and phrases
- Identify and practice basic radicals in Mandarin characters to aid recognition. Build a foundation to recognise and write basic frequently used Chinese characters
- Appreciate Chinese culture in selected topics such as holidays, Chinese folk stories and traditional Chinese family values

Musical Theatre and Drama

This course is designed specifically for SMMIS by Centre Stage Singapore, and combines process driven musical, movement and drama activities which leads to presentations and performance. Students use drama games, learn singing technique and where appropriate harmonies and develop dance, movement, acting and stagecraft skills. The students can expect to develop; self-confidence, imagination, cooperation, concentration, empathy, communication, coordination, problem solving, physical fitness and to develop an appreciation of the arts.

Swimming

The swimming curriculum ranges from learn to swim classes, to competitive programmes. It includes pool safety rules, water confidence and developing appropriate technique in four competitive swimming