

Maths

Topic	Key Concepts	Related Concepts	Theme	ATL skills	Lines of Inquiry	Summative Assessments	Assessment Objectives
1 - Numbers to 10 1A - Count 1B - Compare Numbers 1C - Number Bonds 2 - Addition within 10 2A - Make Addition Stories 2B - Ways to Add	Form Function	Position & Direction	How We Organise Ourselves	Thinking Skills Transfer skills (using skills and knowledge in multiple contexts) Communication Skills Exchanging-information skills (listening, interpreting, speaking) ICT skills (using technology to gather, investigate and communicate information)	- Different types of maps - How people read and create maps - Where we use and find maps	Singapore Maths Unit Review - End of unit assessments (chapter and cumulative assessments). Assessments to be aligned with singapore mathematics and adapted from the online teachers platform.	To compare two numbers using greater than or less than. To make number bonds for 5,6,7,8,9,10 To write addition facts for a given number bond
3 - Subtraction within 10 3A - Make Subtraction Stories 3B - Ways to Subtract 3C - Compare Numbers bu Subtraction 4 - Numbers to 20 4A - Count to 20 4B - Compare & Order Numbers	Form Function Perspective	Time - Times throughout the day Measurement - Length, mass, weight.	Who We Are	"Self Management Skills States of mind (mindfulness, perseverance, emotional management, self-motivation, resilience) Research Skills Information-literacy skills (formulation and planning, data gathering and recording, synthesising and interpreting, evaluating and communicating)"	- Choices we make every day - Physical and mental wellbeing - Consequences of choices	Singapore Maths Unit Review - End of unit assessments (chapter and cumulative assessments). Assessments to be aligned with Singapore mathematics and adapted from the online teachers platform.	To write a subtraction equation using - and = To be able to count back to subtract and use number bonds to subtract To write a fact family and relate addition and subtraction To be bale to read and write numbers to 20 To be able to count on or count back within number to 20 To be able to compare and order numbers within 20 using lless than, greater than or equal to To be able to order numbers within 20



5 - Addition & Subtraction Within 20 5A - Addition 5B - Subtraction 6 - Addition & Subtraction Word Problems 6A - Part Whole Problems 6B - Comparison Problems	Change Form Connection	Measurement - Liquids	Sharing The Planet	Thinking Skills Creative-thinking skills (generating novel ideas and considering new perspectives) Social Skills Developing positive interpersonal relationships and collaboration skills (using self-control, managing setbacks, supporting peers) Self Management Skills Organization skills (managing time and tasks effectively)	- Impact of our actions on resources - The importance of sustainable practices - Reusing resources in different ways	Singapore Maths Unit Review - End of unit assessments (chapter and cumulative assessments). Assessments to be aligned with singapore mathematics and adapted from the online teachers platform.	To be able to count back to subtract. To be able to relate addition and subtraction Compare numbers within 20 using greater than/less than or equal symbols
7 - Length 7A - Compare Lengths 7B - Measure Length 8 - Numbers to 120 8A - Count to 120 8B - Compare & Order Numbers 8C - Count Money	Change Form Connection	Lines of symmetry	How The World Works	Thinking Skills Critical-thinking skills (analysing and evaluating issues and ideas) Communication Skills Literacy skills (reading, writing and using language to gather and communicate information)	- Properties of light and sound - Manipulating light and sound for creativity - What life would be like without light and sound	Singapore Maths Unit Review - End of unit assessments (chapter and cumulative assessments). Assessments to be aligned with singapore mathematics and adapted from the online teachers platform.	To compare lengths of three or more objects. Estimate and measure length in standard units



9 - Addition & Subtraction Within 100 9A - Addition 9B - Subtraction 10 - Data 10A - Picture Graphs 10B - Tally Charts & Picture Graphs	Change Connection Causation	Measurement Time Shapes	Where We Are In Place and Time	Thinking Skills Reflections/metacognition skills (reconsidering the process of learning) Research skills Media literacy skills (interacting with media to use and create ideas and information) Ethical use of media/information (understanding and applying social and ethical technology)	- The exploration of space - Structure of the universe - Responsibility of astronauts	Singapore Maths Unit Review - End of unit assessments (chapter and cumulative assessments). Assessments to be aligned with singapore mathematics and adapted from the online teachers platform.	To subtract a two digit number from a two digit number To read picture graphs To gather data and make tally charts
11 - Shapes 11A - 2D Shapes 11B - Composing 2D Shapes 11C - Composing 3D shapes 11D - Partition 2D Shapes 12 - Time 12A - Tell Time	Perspective Form Connection	Time - Times of the year	How We Express Ourselves	"Communication skills Exchanging-information skills (listening, interpreting, speaking) Social skills Developing social-emotional intelligence"	- Different types of celebrations - Celebrations connect to beliefs and values - Reasons people celebrate	Singapore Maths Unit Review - End of unit assessments (chapter and cumulative assessments). Assessments to be aligned with singapore mathematics and adapted from the online teacher's platform.	To name and count sides and vertices To combine 2-D shapes to make a basic shape To tell and write time to half hour using "half past" and in digital form

Taking Action

Taking action is one of the five essential elements of the PYP and an intricate part of the inquiry cycle which could be interpreted as a “conclusion” to learning. When taking action, students make connections to new knowledge they have acquired and apply their skills in everyday life.

