Maths								
Topic	Key Concepts	Related Concepts	Theme	ATL skills	Lines of Inquiry	Summative Assessments	Assessment Objectives	
1 - Multi-Digit Whole Numbers 1A - Numbers to 1'000'000 1B - Compare & Order Numbers 1C - Number & Shape Patterns 1D - Rounding Numbers	Forn Function		Sharing The Planet	Self management States of mind (mindfulness, perseverance, emotional management, self-motivation, resilience) Social Skills Developing positive interpersonal	- Causes of conflicts at different levels - The impact of conflict - Conflict resolution and management	Singapore Maths Unit Review - End of unit assessments (chapter, cumulative and end of year assessments). Assessments to be aligned with Singapore mathematics and adapted from the online teachers platform.	To be able to compare and order numbers within 1,000,000 Use place value to round numbers to the nearest thousand, ten thousand and one hundred thousand Fluently subtract and add multi-digit numbers Solve two step worded problems involving addition and subtraction	
2 - Addition & Subtraction 2A - Add Multi-Digit Whole Numbers 2B - Subtract Multi-digit whole numbers 2C - Word Problems				relationships and collaboration skills (using self-control, managing setbacks, supporting peers)				



3 - Multiplication	Form	Measuremt	How the	Thinking Skills	- Renewable	Singapore Maths Unit Review - End of unit	Calculate the common factors of two whole numbers Calculate the
& Division	Function		World Works	Reflections/metacogniti	and	assessments (chapter, cumulative and end of	common multiples of two whole numbers Solve one step word problems
3A - Multiplicative	Perspective			on skills (reconsidering	non-renewable	year assessments). Assessments to be aligned	involving multi digit multiplication using bar models
Comparisons	*			the process of learning)	resources	with Singapore mathematics and adapted from	
3B - Word					- How energy is	the online teachers platform.	
Problems				Research Skills	converted and	*	
3C - Factors,				Media literacy skills	transformed		
Multiples & Prime				(interacting with media	- Responsible		
Numbers				to use and create ideas	use of energy		
3D - Multiply by				and information)			
Tens, Hundreds &				Information-literacy			
Thousands				skills (formulation and			
3E - Multiply a 2				planning, data gathering			
digit by 1 digit				and recording)			
number							
3F - Multiply 3 or 4				Self management			
digit number by 1				Organization skills			
digit number				(managing time and tasks			
3GWord				effectively)			
Problems							
3H - Multiply a 2							
digit number by a 2							
digit number							
3I - Quotient &							
Remainder							
3J - Divide 2 digit							
number by 1 digit							
number							
3K Divide 3 or 4							
digit number by a 1							
digit number							
3L - Estimate							
Quotients							
3M - Word							
Problems							



Change	How We	Communication Skills	- How art	Singapore Maths Unit Review - End of unit	To be able to use models to explain why two fractions are equivalent
Form	Express	ICT skills (using	provides insight	assessments (chapter, cumulative and end of	Compare and order fraxctions with different numerators and
Connection	Ourselves	technology to communicate information) Self-management Organization skills (managing time and tasks effectively) Thinking skills (generating novel ideas and considering new	provides insight and information - How art changes ideas and feelings - Personal preferences in appreciation of arts	assessments (chapter, cumulative and end of year assessments). Assessments to be aligned with Singapore mathematics and adapted from the online teachers platform.	denominators To be able to add and subtract like fractions Use bar models to solve one step and two step worded problems
Change Form	Who We Are	Research skills Information-literacy skills (synthesising and	- How body systems work - The	Singapore Maths Unit Review - End of unit assessments (chapter, cumulative and end of year assessments). Assessments to be aligned	Write and show mixed and improrper fractions Express inproper fractions as mixed numbers and mixed numbers as improper fractions Add and subtract mixed numbers Solve two part word problems
		interpreting, evaluating and communicating) Ethical use of media/information (understanding and applying social and ethical technology) <b>Communication Skills</b> Exchanging-information skills (listening, interpreting, speaking)	interconnectedn ess of body systems - Maintaining a healthy body	with singapore mathematics and adapted from the online teachers platform.	involving the addition and subtraction of mixed numbers Express a fraction as a multiple of another fraction Interpret a line plot of measurements in fractions
	ange rm nnection	ange rm nnection how We Express Ourselves Who We Are rm nnection Who We Are	uange       How We       Communication Skills         rm       Express       ICT skills (using         Ourselves       technology to       communicate         ormunication skills       information)       Self-management         Organization skills       (managing time and tasks         effectively)       Thinking skills         Thinking skills       Creative-thinking skills         (generating novel ideas and considering new perspectives)       Thinking skills         nange       Who We Are       Research skills         Information-literacy       skills (synthesising and interpreting, evaluating and communicating)         Ethical use of media/information       (understanding and applying social and ethical technology)         Communication Skills       Exchanging-information skills         Istical technology)       Communication skills	aange rm mnectionHow We Express OurselvesCommunication Skills ICT skills (using technology to communicate information)- How art provides insight and information - How art changes ideas and feelings - Personal preferences in appreciation of artsange umeWho We AreResearch skills (generating novel ideas and considering new perspectives)- How body systems on - How art changes ideas and feelings - Personal preferences in appreciation of artsange umm onnectionWho We AreResearch skills Information-literacy skills (synthesising and interpreting, evaluating and communicating)- How body systems on - Personal preferences in appreciation of artsange orm onnectionWho We AreResearch skills Information-literacy skills (synthesising and interpreting, evaluating and communicating)- How body systems on - How body systems on - Maintaining a healthy bodyunderstanding and applying social and ethical technology)- How body systems - Maintaining a healthy body	ange rm       How We Express       Communication Skills ICT skills (using technology to communicate information)       -How art provides insight and informatios. Assessments to be aligned the sense and feelings       Singapore Maths Unit Review - End of unit assessments (chapter, cumulative and end of year assessments). Assessments to be aligned the online teachers platform.         Self-management Organization skills (managing time and tasks effectively)       -How wart the sense and considering new perspectives)       -How body arts       Singapore Maths Unit Review - End of unit assessments to be aligned with Singapore mathematics and adapted from the online teachers platform.         nange rm menetion       Who We Are media (information and communicating)       -How body systems work skills (synthesising and interpreting, evaluang and communicating, east of body systems       Singapore Maths Unit Review - End of unit assessments (chapter, cumulative and end of year assessments (chapter, cumulative and end of year assessments to be aligned interpreting, evaluang and communicating, east of body systems       Singapore Maths Unit Review - End of unit assessments (chapter, cumulative and end of year assessments to be aligned with singapore mathematics and adapted from the online teachers platform.



<b>7 - Decimals</b> 7A - Tenths 7B - Hundredths 7C - Number Patterns	Change Connection Causation	Data Collection Graphing	How We Organise Ourselves	Social Skills Developing social-emotional intelligence Communication Skills	- How governments make decisions - Responsibilities of governments	Singapore Maths Unit Review - End of unit assessments (chapter, cumulative and end of year assessments). Assessments to be aligned with Singapore mathematics and adapted from the online teachers platform.	To be able to convert tenths from fractions to decimals To be able to read and write hundreths as a decimal To be able to add or subtract 0.1 or 0.01 from a decimal To be able to calculate the perimeter of a rectangle or square To calculate an unknown side when given the are or perimeter Calculate the perimeter and area of a composite figure
8 - Area & Perimeter 8A - Rectangles and Squares 8B - Composite Figures				Literacy skills (reading, writing and using language to gather and communicate information)	- How citizens can monitor and influence actions of their government		
				Thinking skills Transfer skills (using skills and knowledge in multiple contexts)			
9 - Geomoetry 9A - Points, Lines, Line Segments, Rays and Angles 9B - Acute Angles Right Angles and Obtuse Angles 9C - Measure Angles 9D - Perpendicular & parralel lines 9E - Line of Symmetry	Perspective Form Connection	Graphing Constructions Area & perimeter Measurement	Where We Are In Place and Time	Thinking Skills Critical-thinking skills (analysing and evaluating issues and ideas) Communication Skills ICT skills (using technology to gather and investigate information)	<ul> <li>Similarities</li> <li>and differences</li> <li>of past</li> <li>civilizations</li> <li>Development</li> <li>of systems and</li> <li>technology</li> <li>Connections</li> <li>between</li> <li>artifacts and</li> <li>civilizations</li> </ul>	Singapore Maths Unit Review - End of unit assessments (chapter, cumulative and end of year assessments). Assessments to be aligned with Singapore mathematics and adapted from the online teachers platform.	To be able to identify points, lines, line segments rays and angles To understand, calculate and measure the size of an angle To identify perpendicular and parallel lines To be able to identify a line of symmetry from a given figure To be able to convert between larger metric units to smaller metric units To be able to measure and estimate time in seconds To be able to solve word problems involving units of measurement and time
10 - Measurement, Time, and Conversion 10A - Metric Units of Measuremnts and Conversion 10B - Customary Units of Measurement and Conversion 10C - Time and Conversion 10D - Word Problems							



## **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.

