

MYP Subject Area: Mathematics

Unit Title	Key Concept	Related Concepts	Global Context	Statement of Inquiry	Subject Objectives & Strands	Overview of Summative Assessment Task	Approaches to Learning Skill Clusters	Content
Parts of Parts: Number Sense	Relationships	Representation Model	Globalization and Sustainability	Mathematical change and equivalence can be used to represent real world scenarios.	D: Applying Mathematics Strands: i. ii. iii. v. A. Knowledge & Understanding Strands: ii. iii.	Birthday Party OR Rabbit Costumes (insidemathematics.org)	Self Management - III Organization	Place Value Order of Operations Fractions Equivalent Fractions Reducing GCF, LCM
Rate This: Ratios, Rates, and Unit Rates	Logic	Equivalence, Simplification	Personal and cultural Expression	Modeling using a logical process helps us to understand the world.	A: Knowledge & Understanding	Lemonade Stand	Thinking - X Transfer Self Management - III Organization	Ratios, Rates, Unit rates, decimal operations, percents
Express Yo' Self: Expression and Equations	Relationships	Patterns Equivalence Change	Identityings And Relationships	The interaction of symbol systems can help us understand how we live and help us improve our circumstances.	B: Investigating Patterns	Boxes, Truffles OR Gym (MARS task)	Self Management - III Organization Thinking - VIII Critical Thinking	variables graphing equations, solving equations expressions equivalent expressions solving inequalities
Integers	Form	Justification, model	Personal and cultural Expression	Signs help model and dictate what we can or cannot do in the world around us.	C: Communication in Mathematics	Math at the Mall?	Social - II Collaboration Thinking - X Transfer	Number line Absolute Value Add/Subtract/multiply/divide
Covering and Surrounding: Geometry	Form	Space, Relationships, Measurement	Orientation Space and Time	Resources must be used responsibly when creating/thinking about new designs.	D: Applying Mathematics i ii	3-D Town OR Measure and plan the redecorating of their own bedroom	Thinking - IX Creative thinking'	area, perimeter, volume, angles, measurement, surface area, 3d modeling
Data About Us: Statistics and Probability	Logic	Justification, system, relationships	Human Ingenuity	Mathematics helps people make better predictions and to plan accordingly.	C: Communication in Mathematics	Lifespan Of An Umbrella (MARS Task)	Research - VII Media Literacy - Social - II Collaboration	Mean, Median, Mode, graphs, theoretical and experimental