

IB Subject Group Overview

Content :Math				Grade: 8th				
Unit Title	MYP Key Concept	MYP Related Concepts	MYP Global Context	Statement of Inquiry	MYP Objectives	ATL Skills	Content (topics, knowledge, skills, and outcomes)	Assessment
Weights and Drug Doses	Relationships	Representations Model	Globalization and sustainability	Representations can help us understand relationships in order to make health conscious choices for our lifestyle and well-being.	Investigating Patterns Applying mathematics in real life context	Communication, Research In order for students to organize and depict information logically, they must collect, record, and verify data.	Writing an equation Linear equation Tables Graphs	Present findings of weights and drug doses using tables and graphs
Our City	Logic	Model, Representation	Orientation in space and time	Investigating different models and relationships can give perspective on how parallel lines ,that are cut by a transversal, can be used to form cities.	Knowing and understanding Investigating patterns	In order to verify and justify relationships and or general rules students must investigate patterns	Transversals Parallel lines angles	Poster board drawing of a city using parallel lines cut by transversal with modeling angle

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								relationships.
Pythagoras on the move	Form	Model Measurement	Scientific and technical innovation	Mathematical measurements may be used to form models.	Knowing and understanding Applying mathematics in real life contexts	In order to apply the selected mathematical strategies successfully to reach a solution, students must delegate and share responsibility for decision-making	Pythagorean theorem Converse of Pythagorean theorem Volume	A working Mobile displaying shapes and the volume of them.
Stained Glass Window	Creativity	Pattern Model	Personal and cultural expression	Personal and cultural expressions help us to create artistic models and patterns	Applying mathematics in real life context iii. apply the selected mathematical strategies successfully to reach a solution.	In order to apply the selected mathematical strategies successfully to reach a solution, students must work effectively with others to help each other succeed.	Equations of a line Slope intercept form Y intercept	Coordinate plane reflecting stained glass window.
Balance Your life	Global Interaction	Model Pattern System	Globalization and Sustainability	Systems are global interactions that consist of	Investigating Patterns	Self-management	Finance Interest budget	Budget

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				patterns that can be modeled.	Communicating			
Be the Change	Communication	Simplification	Fairness and development	Interaction with peers can help sustain and develop the global and local environment.	Communicating i. Use appropriate mathematical language (notation, symbols and terminology) in both oral and written explanations	Students must adequately explain their lesson to the future eighth grade student.	All topics covered throughout the year (service learning)	Students will create books, powerpoints, poster boards that will inform incoming students.

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