

MYP3 Math

Unit	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
<b>Unit title</b>	<b>Algebraic Expansion, Exponents and Scientific Notation</b>	<b>Algebraic Equations</b>	<b>Geometry "Pythagorean Theorem-Volumes-Congruence "</b>	<b>Functions - Linear Equations</b>	<b>Statistics</b>
<b>Duration (weeks of instruction)</b>	6 weeks	6 weeks	9 weeks	8 weeks	7 weeks
<b>Key Concept</b>	form	logic	relationships	relationships	relationships
<b>Related Concepts</b>	change, simplification	equivalence, simplification	equivalence, measurement	model, pattern	measurement, representation
<b>Global Context</b>	Personal and cultural expression	Scientific and technical innovation	Orientation in space and time	Globalization and sustainability	Identities and relationships
<b>Statement of Inquiry</b>	Changing form to see things differently leads to discovery (aesthetic, natural patterns)	Representing quantities as the equivalence of algebraic expressions helps us solve problems using a logical process.	Mathematical discoveries from centuries ago give us tools to solve problems today.	Understanding relationships in the natural world allows us to make predictions about the future.	Appropriate statistical analysis and interpretation is necessary for informed decision making
<b>MYP Subject Objectives</b>	A (i, ii, iii), B (i, ii, iii), C (i, iv)	A, B, C	A, B, C, D (all strands)	A, B, C, D	A,B,C,D,
<b>Approaches to Learning skills (ATLs)</b>	communication skills, collaborative skills	Communication skills	Communication and thinking skills	Communication and thinking skills	Communication skills, Research skills
<b>Content</b>	Algebraic expressions, Exponent rules, Scientific notation	Algebraic equations	congruence and similarity, pythagoras theorem and right angled trigonometry, surface areas and volumes	define, evaluate and compare functions, use functions to model relationships between quantities	investigate patterns of association in bivariate data
<b>Summative Assessment Task(s)</b>	Investigation (B,C,D) Classroom Test (A)	Classroom Test (A) Locker Problem (B, C)	Pythagorean Theorem Investigation (B,C)	Classroom test(s). Investigation (A,B,C,D)	Classroom test(s). Investigation (B,C) or (B,D)
<b>Common Core standards</b>	8NS1, 8EE1,2,3,4,7,8	8EE	8G1-9	8F,1,2,3,4,5	8SP1-4

Please note: The curriculum is subject to change based on student learning needs and interests.

Common Core Standards: <http://www.corestandards.org/Math/>

Teacher Name: Georgios Avgerakis

Teacher Email: g.avgerakis@isumongolia.edu.mn

Date updated: 16 September 2018