

MYP5 Standard Math

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
<b>Unit title</b>	<b>Linear Modeling</b>	<b>Quadratics Equations and Functions</b>	<b>Arithmetic Geometric Sequences</b>	<b>Population studies</b>	<b>Exponential functions</b>
<b>Duration (weeks of instruction)</b>	6 weeks	10 weeks	6	7 weeks	6 weeks
<b>Key Concept</b>	logic	relationships	form	relationships	relationships
<b>Related Concepts</b>	model, representation, justification	model, pattern	model, pattern	representation, measurement	model
<b>Global Context</b>	Scientific and Technical Innovation	Globalization and sustainability	Scientific and technical innovation	Identities and relationships	Globalization and sustainability
<b>Statement of Inquiry</b>	Linear modeling uses a logical process to improve decision making.	Using mathematical models and their properties can improve decision making and help us manage resources effectively.	Using different forms to generalize and justify patterns can help improve products, processes and solutions.	Studying populations can help us understand who we are.	Modeling exponential relationships can help us understand how populations grow.
<b>MYP Subject Objectives</b>	A, C, D - all strands	A, B,C, D - all strands	A,B,C	C, D - all strands	A, B ,C- all strands
<b>Approaches to Learning skills (ATLs)</b>	Communication and thinking skills	Communication and thinking skills	Critical thinking skills	Communication, Research and thinking skills	Communication and Thinking Skills
<b>Content</b>	Students will learn how to solve and communicate linear functions.	Students will learn to solve quadratic equations and inequalities.	Student will learn how to find any term, and the sum of n terms in both arithmetic and geometric sequences	Students will learn about probabilities and statistics and their applications.	Students will learn rules for exponents and logarithms.
<b>Summative Assessment Task(s)</b>	Authentic assessment task for criteria C, D. Unit test will assess criterion A.	Authentic assessment task for criteria C, D. Investigation on quadratics for criteria B and C. Unit test will assess criterion A.	Authentic assessment task for criteria C, B. Unit test will assess criterion A.	Authentic assessment task for criteria C, D.	Investigation on quadratics for criteria B and C. Unit test will assess criterion A.
<b>Common Core standards</b>	Algebra and Function Standards	Algebra and Function Standards	Algebra	Statistics and Probability	Algebra

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

Common Core

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

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