

MYP4 Math

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Unit title	Patterns and Numbers	Right angle triangle trigonometry	Systems of Linear functions	Algebraic expressions and quadratics	Statistics and Probability
Duration (weeks of instruction)	7 weeks	5 weeks	3 weeks	8 weeks	5 weeks
Key Concept	logic	Form	Logic	relationships	relationships
Related Concepts	model, representation, justification	measurement, space	systems	model, pattern	measurement, representation
Global Context	Scientific and Technical Innovation	Orientation in space and time	Scientific and Technical Innovation	Globalization and sustainability	Identities and relationships
Statement of Inquiry	Mathematics is a science of Patterns.	Knowledge of structure and shape can allow us to calculate what we cannot measure.	Understanding logical processes allows us to create mathematical systems to improve problem solving.	Using mathematical models and their properties can improve decision making and help us manage resources effectively.	Decisions made through logical processes may not reflect our intuition.
MYP Subject Objectives	A, C, D - all strands	A, B, C - all strands	A,C, D - all strands	A, B,C, D - all strands	C, D - all strands
Approaches to Learning skills (ATLs)	Critical thinking skills	Communication and reflection skills	Communication and thinking skills	Communication, Research and thinking skills	Communication, Research and thinking skills
Content	Numbers, number patterns, sets, linear algebra	Trigonometry ratios and trigonometry rules	Linear functions, systems of linear functions, and 2x2 and 3x3 linear system	Factoring quadratic expressions and simplifying quadratic expressions	Averages and their applications; simple probability and calculating
Summative Assessment Task(s)	Investigation assessment task for criteria B,C. Unit test will assess criterion A.	Investigation on trigonometry for criteria B and C. Unit test will assess criterion A.	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, D. Unit test will assess criterion A.
Common Core standards	Number and Algebra standards	Geometry standards	Linear algebra standards	Algebra standards	Statistics and Probability standards

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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