

MYP SUBJECT OVERVIEW

Carl Hankey School 2018-19

SUBJECT: Maths:Algebra

MYP Year 3

TEACHER: Nangialai

Unit Title Time Frame	Key Concept	Related Concept(s)	Global Context	Statement of Inquiry	MYP Subject Objectives	ATL Skills	Content
Unit 1: Expressions and Foundational Algebra	Logic	Equivalence and simplification	<i>Scientific and Technical Innovation</i>	Logic can be used to model equivalent and simplified forms revealing mathematical principles	Criterion A	Collaboration Skills Communication Thinking Skills: → Transfer → Critical thinking skills	Domain: Seeing Structure in Expressions A-SSE.A.1A Domain: Creating Equations A.CED.A.1 A.CED.A.2 Domain: Reasoning with Equations & Inequalities A.REI.D.10
Unit 2: Equations and Inequalities	Relationship	Equivalence	<i>Scientific and Technical Innovation</i>	Puzzles can be used to reveal equivalent forms by representing relationships through patterns	Criterion A Criterion D	Collaboration Skills Communication Thinking Skills: → Transfer → Critical thinking skills	Domain: Quantities N.Q.A.1 N.Q.A.3 Domain: Creating Equations A.CED.A.1 A.CED.A.4 Domain: Reasoning with Equations & Inequalities A.REI.A.1 A.REI.B.3
Unit 3: Linear Functions	Relationship	Model and Pattern	<i>Globalization and Sustainability</i>	Decision making can be improved by using a variety of models to represent	Criterion A, B, C, and D	Collaboration Skills Communication	Domain: Creating Equations A.CED.A.1 A.CED.A.4

				patterns and relationships.		Thinking Skills: → Transfer → Critical thinking skills	Domain: Building Functions F.IF1-6 F.BF1a-b F.BF2
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SUBJECT: Math 8

MYP Year 3

TEACHER: Nangialai

Unit Title Time Frame	Key Concept	Related Concept(s)	Global Context	Statement of Inquiry	MYP Subject Objectives	ATL Skills	Content
Exponents and Scientific Notation	Form	Measurement and representations	<i>Orientation in Space & Time</i>	Natural and human landscapes can be better represented and compared through strategic forms of measurements.	Criterion A Criterion B	Collaboration Skills Communication Thinking Skills: → Transfer → Critical thinking skills	Domain: Number System 8.NS.A.1 8.NS.A.2
The Price of a Happy Life	Communication	Models and representations	<i>Scientific and technological Innovation</i>	Models can communicate the consequence of technological innovation	Criterion C	Collaboration Skills Communication Thinking Skills: → Transfer → Critical thinking skills	Domain: 8.SP.1-4