



A:	Knowledge & Understanding	B:	Investigating Patterns	C:	Communication	D:	Applying mathematics in real-life contexts
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Unit	Statement of Inquiry	Unit Questions	ATL	Type of Assessment	Criterion	Assessment Date(s)
1. Data Handling (Ch.7 &13)	Studying the representation of quantities can help us make the logical decisions in our daily lives.	Factual: How do you calculate the interquartile range? Conceptual: Are cumulative frequency polygons always the best way to explain and represent data? Debatable: Are girls always smarter than boys?	Research vi. Information Literacy Thinking x. Transfer	<input type="checkbox"/> Project assessment	C,D	Sep 14-18
2. Simultaneous Linear Equations (Ch.4)	Looking at how we can logically simplify scientific principles using systems.	Factual: How do you solve a pair of linear equations with two unknowns at the same time? Conceptual: What does it mean when two straight lines meet on a graph? Debatable: Is the elimination method better than the substitution method?	Communication i. Communication Self-management v. Reflection Thinking x. Transfer	<input type="checkbox"/> Written assessment	A	Oct 12
3. Inequalities in one unknown (Ch.8)	Justifying patterns and relationships logically	Factual: How can we represent a range of values on a number line? Conceptual: What do we mean by a "range"? Debatable: Is zero a positive or negative value?	Communication i. Communication Self-Management iv. Affective	<input type="checkbox"/> Written assessment	B	Nov 2-6
4. Area & Volume (Ch.10)	Finding areas and volumes are processes that can be used to measure space.	Factual: How do you find the area and volume of 2D and 3D shapes? Conceptual: Are there relationships between different formulae? Debatable: How big is big?	Research vi. Information Literacy Thinking x. Transfer	Incorporated into Summative Assessment Week		
Summative Assessment Week			Thinking x. Transfer	<input type="checkbox"/> Including all topics in term 1 <input type="checkbox"/> Written assessment	A	Nov 30 – Dec 4
5. Pythagoras' Theorem (Ch.6) Trigonometry (Ch.11)	Properties of mathematical laws and theorems can be justified by different representations	Factual: How do you find the size of angles and lengths of a right-angled triangle? Conceptual: What are the different relationships between the sides and/or the angles of a triangle? Debatable: Which method is better to use when finding the lengths of right-angled triangles?	Research vi. Information Literacy Thinking x. Transfer	<input type="checkbox"/> Written assessment	B,D	Jan 25 - 29
6. Identities and Factorization (Ch.3) Algebraic Fractions (Ch.9)	Simplifications and generalizations are processes that can be used to represent the relationships between mathematical identities	Factual: How do we simplify algebraic expressions? Conceptual: What are the different ways to simplify expressions? Debatable: Is simplification the most efficient method to use and to represent an answer?	Thinking viii. Critical thinking	<input type="checkbox"/> Project assessment	A,C	Mar 14
Summative Assessment Week			Thinking x. Transfer	<input type="checkbox"/> Including all topics in the year <input type="checkbox"/> Written assessment	A	May 26 – Jun 1