



10 weeks
(appx. 40
hours)

NUMBER UNIT

Key: Form

Related:
Equivalence,
representation

Identities and
relationships

Area of
exploration:
Number,
methods;
products,
processes and
solutions


A Criterion –
Knowing and
Understanding

B Criterion –
Patterns

Communication

Self-Management-





10 weeks (40 hours)

MEASUREMENT

Key:
Relationships

Related:
Measurement and space

Global context:
Orientation in space and time

Area of exploration:
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8 weeks (32 hours)	Key: Logic	Global context: Scientific and technical innovations.	<i>P b e</i> <i>a e e e</i>
GEOMETRY	Related: Patterns, relationships	Area of exploration: Geometry	

Investigate combinations of translations, reflections and rotations, with and without the use of digital technologies [\(ACMMG142\)](#)

Introduce the Cartesian [coordinate system](#) using all four quadrants [\(ACMMG143\)](#)

Describe probabilities using fractions, decimals and percentages [\(ACMSP144\)](#)

Conduct chance experiments with both small and large numbers of trials

f [CMMG143](#)

Compare observed frequencies across experiments with expected frequencies ([ACMSP146](#))

Interpret and compare a [range of data](#) displays, including side-by-side column graphs for two categorical variables ([ACMSP147](#))

Interpret [secondary data](#) presented in digital media and elsewhere ([ACMSP148](#))

9 weeks (36 hours)

STATISTICS AND PROBABILITY

Key: Logic

Related: Relationships

Global context: Fairness and development

Area of exploration: Probability

Describe probabilities using fractions, decimals and percentages [\(ACMSP144\)](#)

Conduct chance experiments with both small and large numbers of trials using appropriate digital technologies [\(ACMSP145\)](#)

Compare observed frequencies across experiments with expected frequencies [\(ACMSP146\)](#)

Interpret and compare a [range](#) of [data](#) displays, including side-by-side column graphs for two categorical variables [\(ACMSP147\)](#)

Interpret [secondary data](#) presented in digital media and elsewhere [\(ACMSP148\)](#)



Term 1
10 weeks
(42 hours)

Numbers
and
relationships

Key:
Relationships

Related:
Patterns

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Communication
skills:
Organisation by

Criterion A - Test on factors, multiples, indices,
order of operations, and integers.





TERM 4
10 weeks
Investigating
unknowns

KEY: Relationships Identities and Relationships
Related: Patterns and Generalisations

B Criterion – Investigating Patterns

A Criterion - Knowledge and Understanding

Criteria A - Algebra test including combining like-terms, substituting into expressions, and solving equations

Criterion B – Investigating Patterns



Thinking

Skill needed: Students have multiple strategies to problem solve, so can select a strategy that will generate an appropriate answer in new contexts.

Skill needed:

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X X 1000

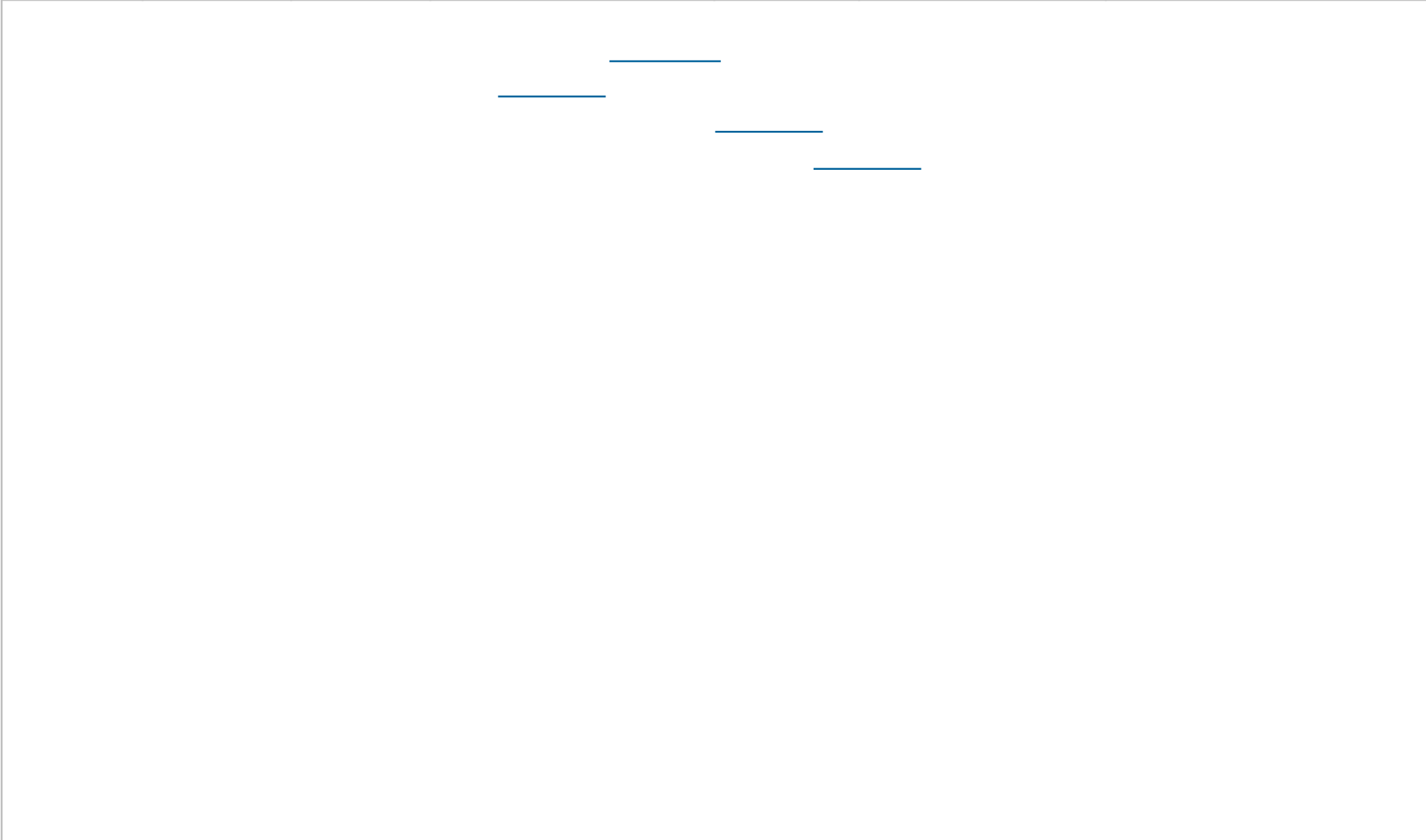


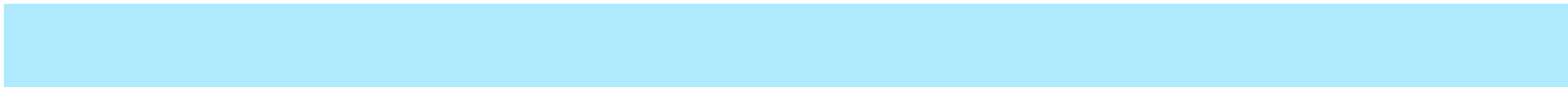
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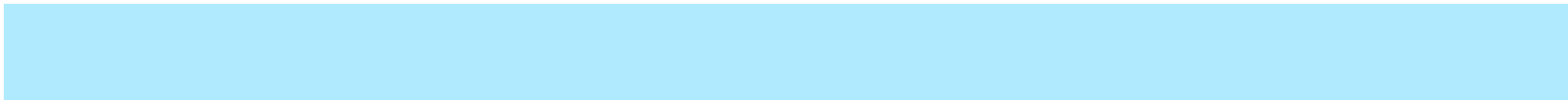




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