

Year 7 Overview

Autumn 1

Transition + Unit 2

Number 1
 Transition unit
 To include place value
 7 lessons

Unit 4

Number 2
 Decimal addition and subtraction
 – mainly mental
 Extend mental methods
 Calculator
 2 lessons

Check a result by
 considering whether it is of
 the right order of magnitude.

Unit 3

Algebra 1
 Graphs of simple linear
 functions linked to SS1
 2 lessons

Plot the graphs of
 simple linear functions.

Shape and space 1
 Reading scales
 One metric unit to another
 8B
 Graphs and polygons
 5 lessons

Convert one metric unit to
 another (e.g. grams to
 kilograms); read and interpret
 scales on a range of measuring
 instruments.

Unit 1

Handling Data 1
 Logic puzzles and two way
 tables
 2 lessons

Handling Data 2
 Conversion graphs
 Link to SS1
 Time inc in SS1

Autumn 2 Unit 6

Number 3
 Multiplying decimals by 10, 100...
 Build on transition unit
 3 lessons

Check a result by considering whether it is of the right order of magnitude.

Unit 7

Algebra 2
 Sequences – multiples
 - counting on
 Using formula for nth term
 Much mental
 3 lessons

Unit 5

Shape and space 2
 Angles 8A or 8B
 Parallel and perpendicular lines, angles at a point, on a line, in a triangle. Tessellate.
 6 lessons

Identify parallel and perpendicular lines; know the sum of angles at a point, on a straight line and in a triangle.

Multiply three-digit by two-digit whole numbers; extend to multiplying and dividing decimals with one or two places by single-digit whole numbers.

Unit 13

Algebra 3
 Sequences and patterns again
 To include rings and crosses
 6 lessons

Unit 8

Number 4
 Division leading to decimals
 3 lessons

Divide three-digit by two-digit whole numbers; extend to multiplying and dividing decimals with one or two places by single-digit whole numbers.

Use standard column procedures for multiplication and division of integers and decimals, including by decimals such as 0.6 or 0.06; understand where to position the decimal point by considering equivalent calculations.

Streetly School Mathematics Y7 Medium Term Plan
Spring 1

Transformations

Shape and space 3
Simple reflections,
rotations, translations

3 lessons

Unit 9

Shape and space 4
Areas and perimeters
Include breaking an object
into simpler shapes.
5 lessons

Break a complex calculation into simpler
steps, choosing and using appropriate
and efficient operations and methods.

Unit 11

Handling Data 3
Data collection and
presentation
Mention the data handling
cycle.

3 lessons

Unit 10

Number 5
Fractions - diagrams
- equivalence
- of a quantity

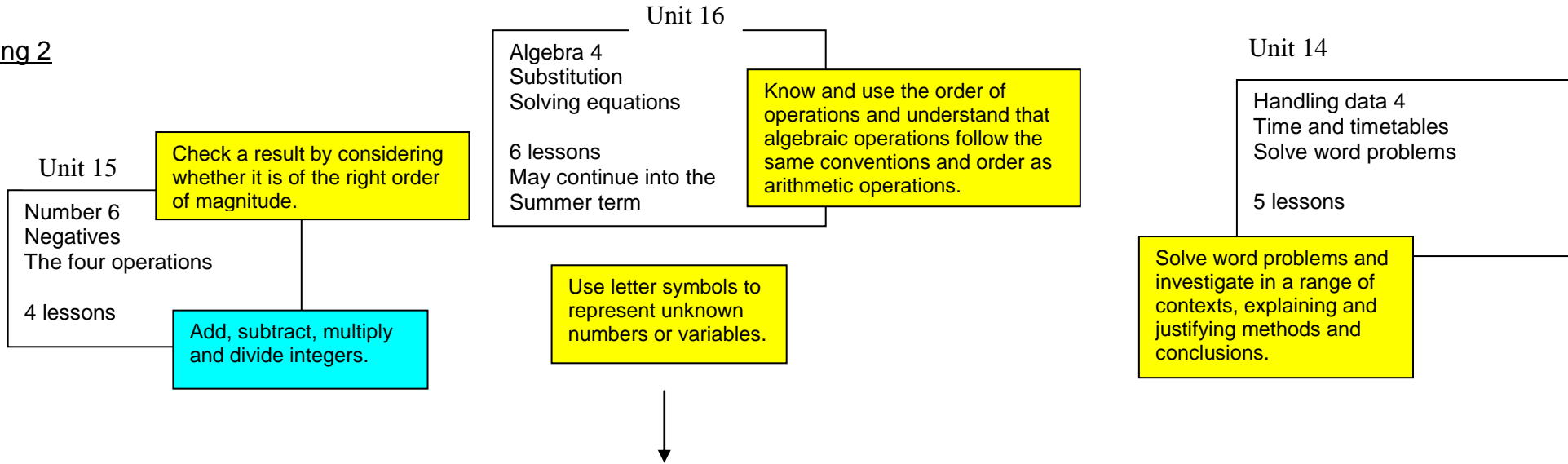
6 lessons

Simplify fractions by cancelling
all common factors; identify
equivalent fractions

Unit 12?

Shape and space 5
LOGO
Basic commands
Repeat
Procedures
2 lessons

Spring 2



Number 6
Negatives

The four operations

4 lessons

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Summer 1

Unit 17

Number 7
Equivalence of fractions,
decimals and percentages

5 lessons

Recognise the equivalence of
percentages, fractions and decimals.

Examinations 3 lessons

Compare two simple
distributions using the range
and one of the mode, median
or mean.

Unit 18

Handling Data 5
Tally chart
Stick diagrams
Mode, median and mode to
compare two simple
distributions
7 lessons

Summer 2

Unit 20

Number 8
Fraction calculations
Keep simple

6 lessons

Check a result by considering
whether it is of the right order
of magnitude.

Extend mental methods of
calculation to include decimals,
fractions and percentages.

Unit 19

Shape and space 6
Scale drawing?
OMIT IF NECESSARY

3 lessons

Unit 21

Handling Data 6
Probability of a single
event

6 lessons

Understand and use the probability scale
from 0 to 1; find and justify probabilities
based on equally likely outcomes in simple
contexts.

Unit 22

Shape and space 7
Volume of cuboids

Delay to year 8?