

## Suggested Routes for Year 7B

The suggested routes here are only guidelines and you should use your professional judgement in making decisions about how appropriate particular sections are for your class. The key used means

- ✓ core material
- (✓) material that could at least, in part, be covered
- ✗ inappropriate material

Note though that, particularly on the Express route in the Arithmetic units, much of the core material will be revision and should be quickly recapped.

UNIT	Standard	Academic	Express
<b>13. SEARCHING FOR PATTERN</b>			
13.1 Pictorial Logic	✓	✓	✓
13.2 Extending Number Sequences	✓	✓	✓
13.3 Patterns and Matchsticks	(✓)	✓	✓
13.4 Two-Dimensional Number Patterns	✓	✓	✓
<b>14. TIME AND TIMETABLES</b>			
14.1 Telling the Time	✓	✓	✓
14.2 12- and 24- Hour Clocks	✓	✓	✓
14.3 Units of Time	✓	✓	✓
14.4 Timetables	✓	✓	✓
14.5 Time Problems in Context	(✓)	✓	✓
<b>15. NEGATIVE NUMBERS</b>			
15.1 Addition and Subtraction	✓	✓	✓
15.2 Multiplication and Division	(✓)	✓	✓
<b>16. ALGEBRA: LINEAR EQUATIONS</b>			
16.1 Fundamental Algebraic Skills	✓	✓	✓
16.2 Function Machines	(✓)	✓	✓
16.3 Linear Equations	✗	(✓)	✓
<b>17. ARITHMETIC: DECIMALS, FRACTIONS AND PERCENTAGES</b>			
17.1 Conversion: Decimals into Fractions	✓	✓	✓
17.2 Conversion: Fractions into Decimals	✓	✓	✓
17.3 Introduction to Percentages	(✓)	✓	✓
17.4 Decimals, Fractions and Percentages	✗	(✓)	✓

<b>UNIT</b>	<b>Standard</b>	<b>Academic</b>	<b>Express</b>
<b>18. QUANTITATIVE DATA</b>			
18.1 Presentation	✓	✓	✓
18.2 Measures of Central Tendency	(✓)	✓	✓
18.3 Measures of Dispersion	(✓)	✓	✓
18.4 Comparing Data	×	(✓)	✓
18.5 Trends	×	×	✓
<b>19. SCALE DRAWING</b>			
19.1 Measuring Lengths	✓	✓	✓
19.2 Plans	✓	✓	✓
19.3 Maps			
<b>20. ARITHMETIC: FRACTIONS</b>			
20.1 Revision: Whole Numbers and Decimals	✓	✓	✓
20.2 Addition and Subtraction of Fractions	(✓)	✓	✓
20.3 Multiplying Fractions	×	✓	✓
20.4 Dividing Fractions	×	✓	✓
<b>21. PROBABILITY OF ONE EVENT</b>			
21.1 Introduction to Probability	✓	✓	✓
21.2 Calculating the Probability of a Single Event	✓	✓	✓
21.3 Relative Frequency	✓	✓	✓
21.4 Complementary Events	✓	✓	✓
21.5 Estimating the Number of Outcomes	(✓)	✓	✓
21.6 Addition Law for Mutually Exclusive Events	×	✓	✓
21.7 General Addition Law	×	×	✓
<b>22. VOLUME</b>			
22.1 Concept of Volume: the Unit Cube	✓	✓	✓
22.2 Volume of a Cube	✓	✓	✓
22.3 Volume of a Cuboid	✓	✓	✓
22.4 Capacity	×	✓	✓
22.5 Density	×	(✓)	✓
22.6 Volume of a Triangular Prism	×	×	✓