

## Mathematics - Upper Primary (Age 10 - 13)

### 1. Using and applying maths (1)

1. Solving word problems
2. Small steps
3. Explain and justify

### 2. Numbers and the Number System (1)

4. Ordering decimals
5. Fractions 1
6. Fractions 2
7. Negative numbers
8. Multiples, factors and powers
9. Triangular and square numbers
10. Rounding numbers
11. Ratio and proportion
12. Written methods
13. Calculator methods

### 3. Algebra (1)

14. Algebra 1
15. Algebra 2
16. Equations 1
17. Equations 2
18. Formulas 1
19. Sequences
20. Functions 1
21. Functions 2

### 4. Space, shape and measures (1)

22. 2-D shapes 1
23. 2-D shapes 2
24. Properties of shapes
25. Transformations
26. Angles and shapes 1
27. Representations
28. Angles and shapes 2
29. Co-ordinates
30. Measurements
31. Area of rectangles
32. Surface area

### 5. Handling Data (1)

33. Data planning and collecting
34. Data reporting
35. Averages
36. Comparing data
37. ICT and data handling
38. Probability 1
39. Probability 2

### 6. Using and applying Maths (2)

40. Solving word problems
41. Small steps
42. Explain and justify

### 7. Numbers and the Number System (2)

43. Decimals 1
44. Decimals 2
45. Decimals 3
46. Numbers
47. Multiples, factors and powers
48. Squares and square roots, cubes and cube roots
49. Decimals 4

### 50. Fractions 1

51. Fractions 2
52. Percentages
53. Ratio and proportion
54. Mental methods
55. Written methods
56. Calculator methods

### 8. Algebra (2)

57. Algebra 1
58. Algebra 2
59. Equations 1
60. Equations 2
61. Formulas 1
62. Sequences 1
63. Sequence 2
64. Sequences 3
65. Functions 1
66. Functions 2

### 9. Space, shape and measures (2)

67. Geometric reasoning 1
68. Geometric reasoning 2
69. Symmetry and congruency
70. Representations
71. Transformations
72. Co-ordinates
73. 2-Dimensional shapes
74. Constructions and loci 1
75. Constructions and loci 2
76. Measurements
77. Areas of polygons
78. Surface area

### 10. Handling Data (2)

79. Data planning and collecting
80. Data processing
81. Comparing data 1
82. Comparing data 2
83. Probability 1
84. Probability 2

### 11. Using and applying Maths (3)

85. Solving word problems
86. Small steps
87. Explain and justify

### 12. Numbers and the Number System (3)

88. Place value
89. Decimals 1
90. Numbers
91. Multiples, factors and powers
92. Squares and square roots, cubes and cube roots
93. Decimals 4
94. Fractions 1
95. Percentages
96. Ratio and proportion
97. Mental methods
98. Written methods
99. Calculator methods

### 13. Algebra (3)

100. Algebra 1
101. Algebra 2
102. Equations 1
103. Equations 2
104. Equations 3
105. Working with functions
106. Sequences 1
107. Sequence 2
108. Linear functions
109. Graphs and functions
110. Graphs

### 14. Space, shape and measures (3)

111. Geometric reasoning 1
112. Geometric reasoning 2
113. Symmetry and congruency
114. Circle properties
115. Representations
116. Transformations
117. Enlargements
118. Scale drawing
119. Constructions and loci 1
120. Constructions and loci 2
121. Measurements 1
122. Area of rectangles
123. Circles
124. Measurements 2

### 15. Handling Data (3)

125. Data planning and collecting
126. Data processing
127. Comparing data 1
128. Comparing data 2
129. Comparing data 3
130. Probability 1
131. Probability 2

**\*Total learning hours : 187**