

Somerville Maths Overview 2016-17

| Year Group | Autumn | Spring | Summer |
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| Year 1 | Number, place value, approximation and estimation. Number and calculation- addition, subtraction Measurement Geometry- Position and Direction, Properties of Shape Mental maths- number bonds, times tables Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. Measurement Geometry- Properties of Shape, Position and Direction Mental maths- number bonds, times tables Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. Measurement Geometry- Properties of Shape Fractions Mental maths- number bonds, times tables Fluency, Reasoning and Problem Solving incorporated into every lesson. |
| Article 31- (Leisure, play and culture) | | | |
| Year 2 | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, .Mental maths- number bonds, times tables Fractions and equivalences Geometry- Shape, Position and Direction Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number and calculation- addition, subtraction, multiplication, division. Fractions and equivalences Measurement, Fractions Statistics Mental maths- strategies for all 4 operations. Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number and calculation- addition, subtraction, multiplication, division. Measurement- time Geometry- Shape, Position and Direction Statistics Mental maths- strategies for all 4 operations. Fluency, Reasoning and Problem Solving incorporated into every lesson. |
| Article 31- (Leisure, play and culture) | | | |
| Year 3 | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. Measurement Statistics Geometry- Properties of shape Fractions- ordering, comparing, Mental maths- number bonds, times tables Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. Mental maths- number bonds, times tables Fractions , Decimals Measurement Geometry- Properties of shape Statistics Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. Mental maths- number bonds, times tables Fractions – ordering, comparing Statistics- graphs, charts and tables. Geometry- Properties of shape Measurement Fluency, Reasoning and Problem Solving incorporated into every lesson. |
| Article 15- (Freedom of association) | | | |
| Year 4 | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division, Roman numerals to 100. Mental maths- number bonds, times tables Geometry- Shape, Position and Direction | Number and calculation- addition, subtraction, multiplication, division, Roman numerals to 100. Fractions – ordering, adding and subtracting fractions. Measurement-area, perimeter, money, conversions Statistics- graphs, charts and tables. | Number, place value, approximation and estimation Number and calculation- addition, subtraction, multiplication, division, Roman numerals to 100. Fractions – ordering, adding and subtracting fractions. Measurement-area, perimeter, money, conversions |

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| | Measurement-area, perimeter, money, conversions Statistics- graphs, charts and tables. Fluency, Reasoning and Problem Solving incorporated into every lesson. | Geometry- Shape, Position and Direction Mental maths- strategies for all 4 operations. Fluency, Reasoning and Problem Solving incorporated into every lesson. | Statistics- graphs, charts and tables. Geometry- Shape, Position and Direction Mental maths- strategies for all 4 operations. Fluency, Reasoning and Problem Solving incorporated into every lesson. |
| Article 29- (Goals of education) | | | |
| Year 5 | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. Mental maths- number bonds, times tables Fractions –adding, subtracting Measurement-area, perimeter, volume, conversions Statistics- graphs, charts and tables. Geometry- Shape, Position and Direction Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. . Mental maths- number bonds, times tables Fractions –adding, subtracting Measurement-area, perimeter, volume, conversions Statistics- graphs, charts and tables. Geometry- Shape, Position and Direction Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. Mental maths- number bonds, times tables Fractions –adding, subtracting Measurement-area, perimeter, volume, conversions Statistics- graphs, charts and tables. Geometry- Shape, Position and Direction Fluency, Reasoning and Problem Solving incorporated into every lesson. |
| Article 28- (Right to education) | | | |
| Year 6 | Number, place value, approximation and estimation. Number and calculation- addition, subtraction, multiplication, division. Roman numerals to 1000. Mental maths- number bonds, times tables Fractions –adding, subtracting, multiplying and dividing, Percentages and Decimals. Measurement- area and perimeter. Geometry- Shape Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number and calculation- addition, subtraction, multiplication, division. Roman numerals to 1000. Fractions –adding, subtracting multiplying, dividing, percentages and decimals. Measurement-area, perimeter, volume, conversions Statistics- graphs, charts and tables. Ratio and proportion. Algebra Geometry- Shape, Position and Direction, angles Mental maths- strategies for all 4 operations. Fluency, Reasoning and Problem Solving incorporated into every lesson. | Number and calculation- addition, subtraction, multiplication, division. Roman numerals to 1000. Fractions –adding, subtracting multiplying, dividing, percentages and decimals. Measurement-area, perimeter, volume, conversions Statistics- graphs, charts and tables. Ratio and proportion. Algebra Geometry- Shape, Position and Direction, angles Mental maths- strategies for all 4 operations. Fluency, Reasoning and Problem Solving incorporated into every lesson. |
| Article 17- (Access to information from the media) | | | |