

Primary National Curriculum

What has changed?

Mathematics

Brading CE Primary School

June 2015

Mathematics

What's out?

- Ma1 – Using & Applying
- Mathematical reasoning
- Communicating maths
- Data handling in Y1
- Use of ICT
- Use of calculators except in exceptional cases in upper KS2

What's in?

- Yearly objectives (40 pages)
- Tables to 12x12 by end of Y4
- Standard written methods
- Focus on fractions
- Y5 convert decimal → fraction
- Telling time in Y2; using Roman numerals in Y3
- Area of triangles & parallelograms in Y6

Mathematics – what's when?

- Multiplication tables:

Y2: 2, 5 & 10 times tables

Y3: 3, 4 & 8 times tables

Y4: all tables up to 12x12

- Standard written methods:

Y3: Column addition and subtraction

Y4: Standard column multiplication

Y5: Short division

Y6: Long division

- Fractions

Y1: Introduce $\frac{1}{4}$ and $\frac{1}{2}$

Y2: $\frac{3}{4}$ and $\frac{1}{3}$. Find $\frac{1}{2}$ of a number

Y3: Add and order simple fractions

Y4: Add + Subtract fractions

Y5: Use mixed numbers

Y6: Add & Multiply fractions

- Algebra

Y6: Simple formulae, finding missing numbers, etc.

Year 1

What's gone?	What's been added?
<ul style="list-style-type: none">• Data handling/statistics is removed from Year 1• Pattern description	<ul style="list-style-type: none">• Counting and writing numerals to 100• Write numbers in words up to 20• Number bonds secured to 20• Use of vocabulary such as equal, more than, less than (should be fewer!!!!)

Year 2

What's gone?	What's been added?
<ul style="list-style-type: none">• Rounding 2-digit numbers to the nearest 10• Halving/Doubling no longer explicitly required• Using lists/tables/diagrams to sort objects	<ul style="list-style-type: none">• Solving problems with subtraction• Finding fractions of quantities and lengths• Adding two 2-digit numbers• Adding three 1-digit numbers• Demonstrating commutativity of addition and multiplication• Measuring temperatures in °C• Tell the time to the nearest 5 minutes• Make comparisons using $<$ $>$ $=$

Year 3

What's gone?	What's been added?
<ul style="list-style-type: none">• Rounding to nearest 10/100 moves to Year 4! (Why?)• Reflective symmetry moves to Year 4• Converting between metric units moves to Year 4• No requirement to use Carroll/Venn diagrams	<ul style="list-style-type: none">• Adding tens or hundreds to a 3-digit number• Formal written method for addition/subtraction• X8 tables replaces x6 tables• Counting in tenths• Comparing, ordering, adding and subtracting fractions with common denominators• Tell the time to the nearest minute, including 24-hour clock and using Roman numerals• Know the number of seconds in a minute, the number of days in each month, year and leap year

Year 4

What's gone?	What's been added?
<ul style="list-style-type: none">• Specific detail on lines of enquiry, representing problems and finding strategies to solve problems (largely old MA1)• Using mixed numbers (moved to Year 5)• Most ratio work moved to Year 6• Written division method moved to Year 5• All calculator skill removed• Measuring angles in degrees moved to Year 5	<ul style="list-style-type: none">• Solving problems with fractions and decimals to two decimal places• Rounding decimals to whole numbers• Roman numerals to 100• Recognising equivalent fractions• Dividing by 10 and 100 (including decimals)• Using factor pairs• Translation of shapes• Finding perimeter/area of compound shapes• Solve time conversion problems

Year 5

What's gone?	What's been added?
<ul style="list-style-type: none">• Detail of problem-solving process and data-handling cycle no longer required• Calculator-use moved to KS3• Probability moved to KS3	<ul style="list-style-type: none">• Understand and use decimals to 3dp• Use vocabulary of primes, prime factors• Know prime numbers to 20• Understand squared and cubed numbers• Use standard \times and \div to 4-digits• Multiply proper fractions and mixed numbers by whole numbers

Year 6

What's gone?	What's been added?
<ul style="list-style-type: none">• Divisibility tests• Calculator use• Rotational symmetry moved to KS3• Probability moved to KS3• Median/Mode/Range no longer required	<ul style="list-style-type: none">• Compare and order fractions greater than 1• Written long-division• 4 operations with fractions• Convert between miles and kilometres• Name radius/diameter and know relationship• Use formulae for volume of shapes• Calculate area of triangles and parallelograms• Calculate volume of 3-D shapes• Use letters to represent unknowns (algebra)• Generate and describe linear sequences (from KS3)