

# Curriculum for Excellence – Second Consolidating

## Curriculum Map for Numeracy

### Aug-Dec of P6

- reinforce basic bonding eg 8+7, 9+8, 17-9 with an emphasis on speed and fluency, and, all the times tables to 10 to x and ÷  
MNU 2-03a
- **read** and **verbalise** 6 digit numbers, give the number before or after and, add or subtract 1, 10 or 100 to/from 4 or 5 digit numbers eg 3486 – 100  
MNU 2-02a
- find halves of even numbers to 100 eg find  $\frac{1}{2}$  of 34,  $\frac{1}{2}$  of 56,  $\frac{1}{2}$  of 78, ....., and, halves of multiples of 10 eg  $\frac{1}{2}$  of 130,  $\frac{1}{2}$  of 340  
MNU 2-03a
- round 1dp numbers to the nearest whole number eg 2.4 is nearer to 2, 3.7 is nearer to 4  
MNU 2-01a
- add and subtract single digits to/from 3 digits eg 298+5, 303-4, 495+9, 600-8, and multiples of 10 to/from 3 digits eg 246+30, 317+50, 466-40, ...  
MNU 2-03a
- bond any number with 100 eg 72 bonds with 28, 87 bonds with 13, ...,  
MNU 2-03a
- find change from £5 when using multiples of 10p eg £3.60 leaves £1.40, compare costs and determine what can be afforded, using terms profit and loss in simple calculations  
MNU 2-09a/MNU 2-09c

## P6

- multiply 2 and 3 digit numbers by 10 eg 391x10  
MNU 2-03a
- find simple time differences using the 12 hour clock eg from 8.55am to 9.13am and by using electronic or paper based time tables  
MNU 2-10a
- double numbers to 100 eg 2x56, 2x74 and associated halves eg  $\frac{1}{2}$  of 112,  $\frac{1}{2}$  of 148, and, halves of multiples of 100 eg  $\frac{1}{2}$  of 1300 ...  
MNU 2-03a
- convert between related units of the metric system and use common units when estimating sizes, including perimeters and areas of 2D shapes  
MNU 2-11b
- reinforce the times tables to multiply and divide but with an emphasis on speed and use to find thirds, fifths and tenths of quantities belonging to these tables eg  $\frac{1}{3}$  of 24,  $\frac{1}{5}$  of 40  
MNU 2-03a

### Jan - March of P6

- find simple time differences using the 12 and 24 hour clock including using electronic or paper based time tables

## IHS Cluster Mental Maths Planner Adapted from 'Maths on Track' Tom Renwick

- Find change from £1 or £5 for quantities such as £3.25, using terms profit and loss in simple calculations  
MNU 2-10a
- add and subtract single digits to/from 3 digits eg 298+9, 303-9, 995+9, 602-7  
MNU 2-09a/MNU 2-09c
- add and subtract multiples of 10 to/from 3 digits eg 296+20, 387+20, 412-10, 600-30, 611-20  
MNU 2-03a
- read up to 7 digit numbers eg 2,666,513, give the number before or after, and +/- 1, 10 or 100  
MNU 2-03a
- find  $\frac{1}{2}$  of 3 digit numbers eg  $\frac{1}{2}$  of 250,  $\frac{1}{2}$  of 350,  $\frac{1}{2}$  of 650, and  $\frac{1}{4}$  of multiples of 100 eg  $\frac{1}{4}$  of 300 (teach  $\frac{1}{2}$ , then  $\frac{1}{2}$  again to find a  $\frac{1}{4}$  e.g.  $\frac{1}{2}$  of 300 is 150,  $\frac{1}{2}$  of 150 is 75  
MNU 2-07a
- round 2dp numbers to the nearest whole number eg £2.85 is nearer to £3 and use rounding to estimate the answer to a problem  
MNU 2-02a
- give remainders to division eg  $14 \div 3$ ,  $24 \div 7$   
MNU 2-03a
- bond 3 digit numbers with 1000 eg 925 and 75, 875 and 125, 550 and 450, ... and find change from £10 eg £8.75 gives £1.25 change, ...

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MNU 2-09a

#### April – June of P6

- find quarters of multiples of 100 eg  $\frac{1}{4}$  of 600,  $\frac{1}{4}$  of 1000,  $\frac{1}{4}$  of 500 (teach strategy  $\frac{1}{2}$  then  $\frac{1}{2}$  again) and halves of 3 digit numbers eg  $\frac{1}{2}$  of 170,  $\frac{1}{2}$  of 360,  $\frac{1}{2}$  of 450  
MNU 2.07a
- + and - multiples of 10 to/from 3 digits eg  $296+50$ ,  $376+30$ ,  $402-10$ ,  $900-00$ ,  $611-30$   
MNU 2-03a
- find thirds, fifths and tenths of quantities belonging to these tables eg  $\frac{1}{3}$  of 24,  $\frac{1}{5}$  of 40  
MNU 2-07a
- find  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$  and  $\frac{1}{5}$  of more complex quantities eg  $\frac{1}{2}$  of 512,  $\frac{1}{3}$  of 720 or  $\frac{1}{4}$  of 900  
MNU 2-07a
- convert between 12 and 24 times eg 8.25am is 08:25 and 3.30pm is 15:30  
MNU 1-10a/MNU 2-10a
- give remainders to division by any of the tables eg  $14\div 6$ ,  $24\div 9$ , ...  
MNU 2-03a
- round 2dp numbers to the nearest whole number eg 3.19 is nearer to 3 than 4, ... and use rounding to estimate answers  
MNU 2-02a
- bond 3 digit numbers with 1000, eg 775 and 225, and the change from £10 eg £7.75

## P6

MNU 2-03a

- read 7 digit numbers eg 3,458,989, give the number before or after and +/- 1, 10, 100, 1000  
MNU 2-02a
- find 50% of numbers or quantities eg 50% of 18, 50% of £16, ..  
MNU 2-07a
- use decimals to find halves of odd whole numbers eg  $3\div 2=1.5$ , or  $5\div 2=2.5$   
MNU 2-07a
- add and subtract 2 digit numbers to/from 2 digit numbers eg  $69+18$ ,  $50-32$ , ....  
MNU 1-03a
- recognise the equivalence between fractions, decimals and percentages eg  $\frac{1}{2} = 0.5 = 50\%$ , or  $\frac{1}{4} = 0.25 = 25\%$  or  $\frac{3}{4} = 0.75 = 75\%$   
MNU 2-07a
- multiply and divide 2 and 3 digit numbers by a single digit eg  $30\times 4$ ,  $25\times 5$ ,  $40\times 6$ , and  $60\div 4$ ,  $150\div 3$ ,  $200\div 5$ , ....  
MNU 2-03a