MEASUREMENT

- Convert between different units of measure
  - kilometre to metre *1.5km = 1500m*
  - hour to minute *1.5 hours = 90 minutes*
- Measure and calculate the perimeter of squares and rectangles in centimetres and metres
- Find the area of squares and rectangles by counting squares
- Estimate, compare and calculate different measures, including money in pounds and
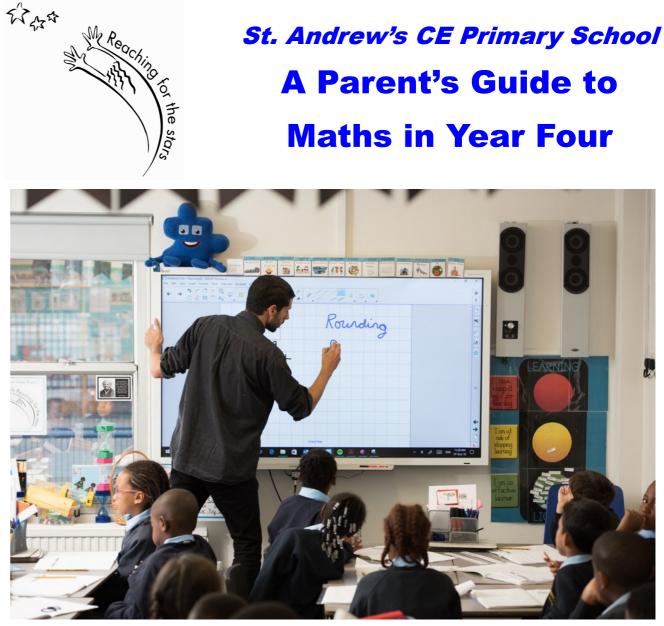- Pence

MEASUREMENT – Time

- **Read, write and convert time between analogue and digital 12- and 24-hour clocks**
- Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

GEOMETRY: Shape

- Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- Identify acute and obtuse angles and compare and order angles up to two right angles by size
- Identify lines of symmetry in 2-D shapes presented in different orientations
- Complete a simple symmetric figure with respect to a specific line of symmetry.

STATISTICS

- Interpret and present data using graphs, including bar charts and time graphs.
- Compare information presented in bar charts, pictograms, tables and other graphs Solve sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

This booklet contains the skills the children should know by the end of Year Four. They are the are the key mathematical skills that children need to know in this year group. You will notice that there are many objectives—so we have highlighted in red the key skills you could practice at home.

The skills are taken from the National Curriculum. If you wish to see the full mathematics curriculum please visit
www.gov.uk/government/collections/national-curriculum

For more information about what is being taught in other year groups at St. Andrew's and to view our Calculation Policy please visit our school website at
www.standrewsprimaryschoolstockwell.org/numeracy

NUMBER

Children are expected to leave Year 4 confident in working with numbers beyond 1000

- **Count from 0 in multiples of 6, 7, 9, 25 and 1000 *e.g. 25, 50, 75, 100, 125…..***
- **Find 1000 more or less than a given number *1000 more than 2300 is 3300***
- Count backwards through zero to include negative numbers *1, 0, -1, -2, -.3…..*
- **Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones) *7325 has 7 thousands, 3 hundreds, 2 tens and 5 ones.***
- **Partition four-digit numbers in different ways *7325 = 7000 + 300 + 20 + 5 and 7325 = 7000 + 300 + 10 + 15***
- **Compare and order numbers beyond 1000**
- Round any number to the nearest 10, 100 or 1000
- Read Roman numerals to 100 (I to C)

NUMBER – Addition and Subtraction
- **Add and subtract numbers mentally, including:**
  - **a three-digit number and ones *145 + 2***
  - **a three-digit number and tens *145 + 20***
  - **a three-digit number and hundreds 145 + 200**
- **Use the column method to add and subtract numbers with up to 4 digits**
- Check answers by estimating or using the inverse operations
- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

NUMBER – Multiplication and Division

- **Know all the times tables up to 12 x 12: multiplication facts *6 x 4 = 24* and division facts *24 / 4 = 6***
- **Multiply and divide mentally, including:**
  - **-- multiplying by 0 and 1**
  - **-- dividing by 1**
  - **-- multiplying together three numbers**
- Recognise factors *e.g factors of 12 are 1, 2, 3, 4, 6 and 12*
- Recognise factor pairs *1 x 12 = 12, 2 x 6 =12, 3 x 4 = 12*
- Multiply two-digit and three-digit numbers by a one-digit number *47 x 4 =*
- **Multiply and divide a one- or two-digit number by 10 and 100 up to two decimal places *0.5 x 100 = 50***

NUMBER – Fractions and decimals

- Recognise common equivalent fractions *1/3 = 2/6*
- Count up and down in hundredths *0.01, 0.02, 0.03, 0.04…….0.1*
- Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
- **Find fractions of numbers, quantities or shapes *Find ⅕ of 30 plums, ⅜ of a 6 by 4 rectangle***
- Add and subtract fractions with the same denominator *5/7 + 1/7 = 6/7*
- Write decimal equivalents of any number of tenths or hundredths *1/10 = 0.1*
- **Recognise and write decimal equivalents ¼ = 0.25, ½ = 0.5 and ¾ = 0.75**
- Round decimals with one decimal place to the nearest whole number *0.6 = 1*
- Compare numbers with the same number of decimal places up to two decimal places *0.35 is more than 0.20*
- Solve simple measure and money problems involving fractions and decimals to two decimal places.