MEASUREMENT

- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g);
- volume/capacity (l/ml)
- Measure the perimeter of simple 2-D shapes
- Add and subtract amounts of money to give change, using both £ and p

MEASUREMENT – Time

- **Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks**
- **Tell the time to the nearest minute**
- Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight
- Know the number of seconds in a minute and the number of days in each month, year and leap year
- Compare durations of events [for example to calculate the time taken by particular events or tasks *I leave home at 8.30am and arrive at school at 8.50am. How many minutes does my journey take?*

GEOMETRY: Shape

- Draw 2-D shapes and make 3-D shapes using modelling materials
- Recognise 3-D shapes in different positions and describe them
- Recognise angles as a property of shape or a description of a turn
- Identify right angles
- Recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn
- Identify whether angles are greater than or less than a right angle
- Identify horizontal and vertical lines and pairs of perpendicular and parallel lines

STATISTICS

- Interpret and present data using bar charts, pictograms and tables
- Solve one-step and two-step questions [for example, 'How many more?' and 'How
- many fewer?'] using information presented in bar charts and pictograms and tables.

St. Andrew's CE Primary School
A Parent's Guide to
Maths in Year Three
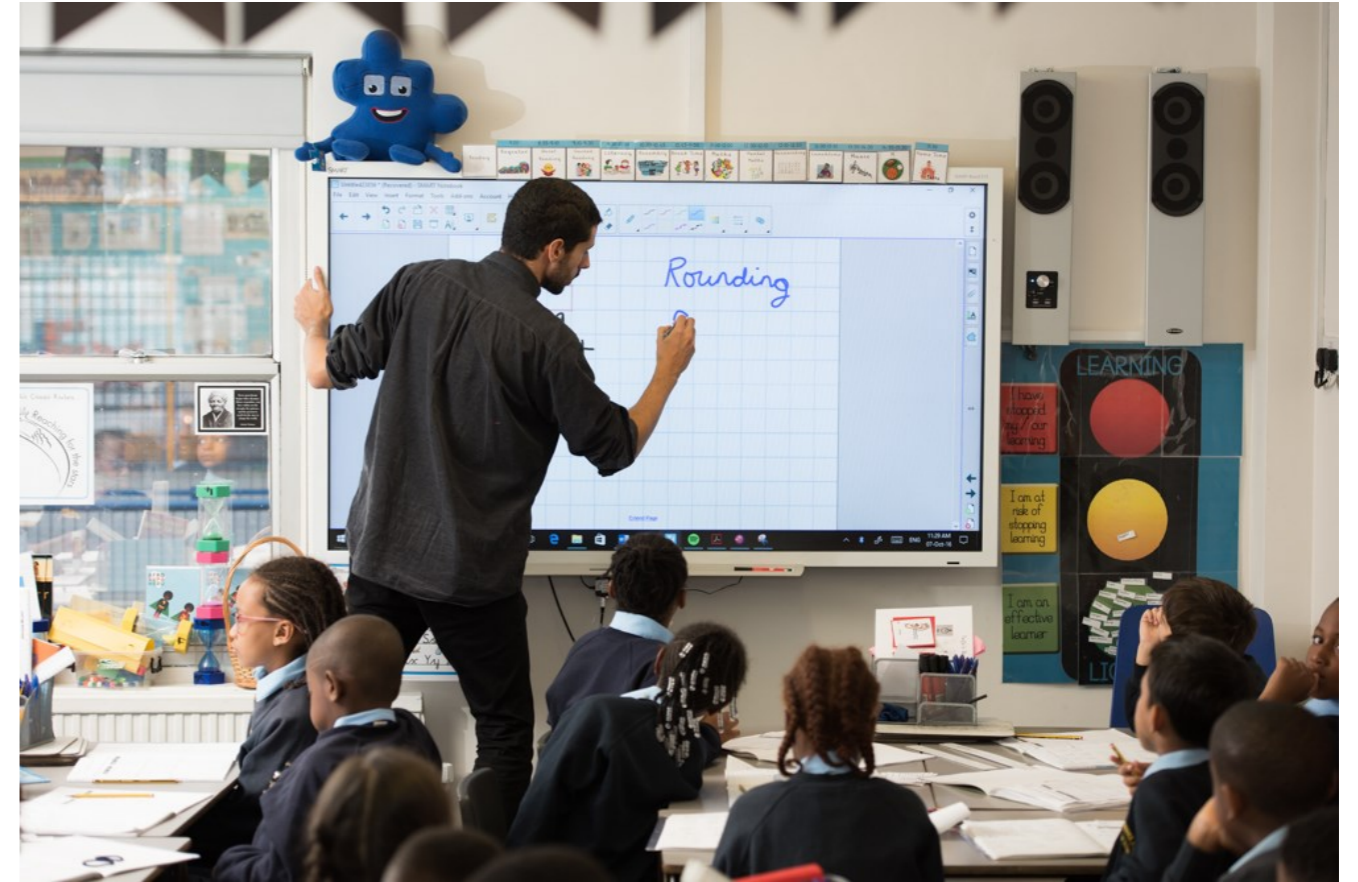
This booklet contains the skills the children should know by the end of Year Three. They are the are the key mathematical skills that children need to know in this year group. You will notice that there are many objectives—so we have highlighted in red the key skills you could practice at home.

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 3 confident in working with numbers up to at least 1000

- **Count from 0 in multiples of 4, 8, 50 and 100** *4, 8, 12, 16….*
- **Find 10 or 100 more or less than a given number** *10 more than 23 is 33*
- **Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)** *325 has 3 hundreds, 2 tens and 5 ones.*
- **Partition three-digit numbers in different ways** *325 = 300 + 20 + 5 and 325 = 300 + 10 + 15*
- **Compare and order numbers up to 1000**
- **Read and write numbers up to 1000 in numerals and in words**

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*
- Begin to use column addition and subtraction to add and subtract numbers with up to three digits
- Check answers by estimating or using the inverse operations
- Solve problems, including missing number problems *45 + = 90,* using number facts, place value, and more complex addition and subtraction.

NUMBER – Multiplication and Division

- **Know the 3, 4 and 8 times tables: multiplication facts** *6 x 4 = 24* **and division facts** *24 / 4 = 6*
- Write the multiplication and division sums for the using the times tables that they know,
- **Multiply two-digit numbers by one-digit** *14 x 3 = 10 x 3 + 4 x 3*
- Solve problems, including missing number problems, involving multiplication and division,

NUMBER – Fractions

- Count up and down in tenths *0.1, 0.2, 0.3, 0.4………..1*
- Recognise that tenths arise from dividing and objects into 10 equal parts and in dividing one-digit numbers or quantities by 10
- **Recognise, find and write fractions of a set of objects or of a number**
  - **Unit fractions** *1/6 of 12 = 2* **and**
  - **Non-unit fractions** *2/6 of 12 = 4*
- Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
- Recognise equivalent fractions *2/4 = ½*
- Add and subtract fractions with the same denominator up to one whole *5/7 + 1/7 = 6/7*
- Order fractions *1/8, ¼, 1/3, 1/2*
- Order fractions with the same denominators *1/6, 5/6, 7/6*
- Solve problems that involve all of the above