

**Year  
3**

# Maths Overview



**St George's Beneficial  
C of E Primary School**

Week → 1 2 3 4 5 6 7 8 9 10 11 12 13 14

**Autumn**

Place Value

Addition &  
Subtraction

Statistics

Addition &  
Subtraction

**Spring**

Multiplication  
& Division (A)

Shape

Multiplication  
& Division (B)

Length & Perimeter

Time

**Summer**

Fractions (A & B)

Mass & Capacity

Money

Addition &  
Subtraction  
Consolidation

## Unit

## Small Steps

### Place Value

1. Represent numbers to 100
2. Partition numbers to 100
3. Number line to 100
4. **Hundreds**
5. **Represent numbers to 1000**
6. **Partition numbers to 1000**
7. **Flexible partitioning of numbers to 1000**
8. **Hundreds, tens and ones**
9. **Find 1, 10 or 100 more or less**
10. **Number line to 1000**
11. **Estimate on a number line to 1000**
12. **Compare numbers to 1000**
13. **Order numbers to 1000**
14. **Count in 50s**

## **Addition & Subtraction**

1. Apply number bonds within 10
2. Add and subtract 1s
3. Add and subtract 10s
4. Add and subtract 100s
5. Spot the pattern
- 6. Add 1s across a 10**
- 7. Add 10s across a 100**
- 8. Subtract 1s across a 10**
- 9. Subtract 10s across a 100**
- 10. Make connections**
- 11. Add two numbers (no exchange)**
- 12. Subtract two numbers (no exchange)**
- 13. Add two numbers (across a 10)**
- 14. Add two numbers (across a 100)**
- 15. Subtract two numbers (across a 10)**
- 16. Subtract two numbers (across a 100)**
- 17. Add 2-digit and 3-digit numbers**
- 18. Subtract a 2-digit number from a 3-digit number**
- 19. Complements to 100**
20. Estimate answers
- 21. Inverse operations**
- 22. Make decisions**

## Statistics

1. Interpret pictograms
2. Draw pictograms
3. Interpret bar charts
4. Draw bar charts
5. Collect and represent data
6. Two-way tables

## Multiplication & Division (A)

**NOTE:** Times tables practice should take place during Warm-ups and Fluency sessions.

1. Multiplication – equal groups
2. Use arrays
3. Multiples of 2
4. Multiples of 5 and 10
5. Sharing and grouping
- ~~6. Multiply by 3~~
- ~~7. Divide by 3~~
- ~~8. The 3 times table~~
- ~~9. Multiply by 4~~
- ~~10. Divide by 4~~
- ~~11. The 4 times table~~
- ~~12. Multiply by 8~~
- ~~13. Divide by 8~~
- ~~14. The 8 times table~~
- ~~15. The 2, 4 and 8 times tables~~

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shape</b>                                     | <ol style="list-style-type: none"> <li>1. Turns and angles</li> <li>2. <b>Right angles</b></li> <li>3. Compare angles</li> <li>4. Measure and draw accurately</li> <li>5. Horizontal and vertical</li> <li>6. <b>Parallel and perpendicular</b></li> <li>7. Recognise and describe 2-D shapes</li> <li>8. <b>Draw polygons</b></li> <li>9. Recognise and describe 3-D shapes</li> <li>10. Make 3-D shapes</li> </ol>                                                                                                                                                                                                                                              |
| <b>Multiplication<br/>&amp; Division<br/>(B)</b> | <ol style="list-style-type: none"> <li>1. Multiples of 10</li> <li>2. Related calculations</li> <li>3. Reasoning about multiplication</li> <li>4. Multiply a 2-digit number by a 1-digit number (no exchange)</li> <li>5. Multiply a 2-digit number by a 1-digit number (with exchange)</li> <li>6. Link multiplication and division</li> <li><del>7. Divide a 2-digit number by a 1-digit number (no exchange)</del></li> <li><del>8. Divide a 2-digit number by a 1-digit number (flexible partitioning)</del></li> <li><del>9. Divide a 2-digit number by a 1-digit number (with remainders)</del></li> <li>10. Scaling</li> <li>11. How many ways?</li> </ol> |

## Length & Perimeter

1. Measure in metres and centimetres
2. Measure in millimetres
3. Measure in centimetres and millimetres
4. ~~Metres, centimetres and millimetres~~
5. ~~Equivalent lengths (metres and centimetres)~~
6. ~~Equivalent lengths (centimetres and millimetres)~~
7. Compare lengths
8. Add lengths
9. Subtract lengths
10. What is perimeter?
11. Measure perimeter
12. Calculate perimeter

## Time

**NOTE:** Roman numerals could be taught as a one-off lesson and not part of the maths curriculum. They will be covered again in Year 4 when studying the Romans.

1. ~~Roman numerals to 12~~
2. Tell the time to 5 minutes
3. ~~Tell the time to the minute~~
4. Read time on a digital clock
5. Use am and pm
6. Years, months and days
7. Days and hours
8. Hours and minutes – use start and end times
9. Hours and minutes – use durations
10. ~~Minutes and seconds~~
11. ~~Units of time~~
12. Solve problems with time

## Fractions (A & B)

Year 2 – Step 8: Find a third  
Year 2 – Step 9: Find the whole  
Year 2 – Step 10: Unit fractions  
Year 2 – Step 11: Non-unit fractions

### (A)

1. Understand the denominators of unit fractions
2. Compare and order unit fractions
3. Understand the numerators of non-unit fractions
4. Understand the whole
5. Compare and order non-unit fractions
6. Fractions and scales
7. Fractions on a number line
8. Count in fractions on a number line
- ~~9. Equivalent fractions on a number line~~
- ~~10. Equivalent fractions as bar models~~

### (B)

1. Add fractions
2. Subtract fractions
3. Partition the whole
- ~~4. Unit fractions of a set of objects~~
- ~~5. Non-unit fractions of a set of objects~~
- ~~6. Reasoning with fractions of an amount~~

## **Mass & Capacity**

1. Use scales
2. Measure mass in grams
3. Measure mass in kilograms and grams
4. Equivalent masses (kilograms and grams)
- ~~5. Compare mass~~
- ~~6. Add and subtract mass~~
7. Measure capacity and volume in millilitres
8. Measure capacity and volume in litres and millilitres
- ~~9. Equivalent capacities and volumes (litres and millilitres)~~
10. Compare capacity and volume
- ~~11. Add and subtract capacity and volume~~

## **Money**

1. Pounds and pence
- ~~2. Convert pounds and pence~~
- 3. Add money**
- 4. Subtract money**
- 5. Find change**