



St Catherine of Siena Catholic Primary School

Times Tables Policy

About our times tables policy

Times Tables are at the heart of mental arithmetic, which helps form the basis of a child's understanding and ability when working with number. Once the children have learnt the times tables and related divisions by heart, they are able to work far more confidently – and efficiently – through a wide range of more advanced calculations.

Aims

1. To raise the profile of the teaching of times tables and to raise overall knowledge of the times tables and related division facts across the school.
2. To explain the expected practices, to ensure children learn their times tables.
3. To ensure continuity in practices and progression in times tables.
4. To ensure there is successful teaching and learning of times tables and related divisions within our school.
5. To develop our knowledge of language associated with times tables: 'times', 'lots of', 'product', 'multiplied by'.

Progression of times tables throughout the school

Below is the expected progression throughout the school, but children who are ready may progress into higher year group expectations once they have a secure knowledge of the times tables facts (and related divisions) and can recall them accurately.

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## St. Catherine of Siena Catholic Primary School

Requirements for satisfying the year group expectations are as follows:

- To be able to count in steps, the children are required to count on in quick succession.
- If the child must count on in 1's to reach the next 5, the child is unable to count on in 5's.
- To be able to recall, the child must be able to recall the times tables and related division facts instantly.
- If the child needs to count on/count up in 7's to reach  $4 \times 7$ , they do not know their 7 times table. They are able to count on in 7's.

### Reception

To be able to count in steps of 10

To be able to count in steps of 5

To be able to count in steps of 2

### Year 1

To be able to recall the 10 times table

To be able to recall the 5 times table

To be able to count in steps of 2

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**Year 2**

To be able to recall the 10 times table

To be able to recall the 5 times table

To be able to recall the 2 times table

To be able to count in steps of 3

**Year 3**

To be able to recall the 3 times table

To be able to recall the 4 times table

To be able to recall the 8 times table

**Year 4**

To be able to recall the 6 times table

To be able to recall the 7 times table

To be able to recall the 9 times table

To be able to recall the 11 times table

To be able to recall the 12 times table

**Year 5**

To be able to recall all of times tables facts and related divisions through regular consolidation of all.

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## Year 6

To be able to recall all of times tables facts, related divisions and language/ symbols. For example, % and square root.

### Teaching of times tables throughout the school

It is expected that times tables are visited daily throughout the school. A range of teaching and learning strategies need to be used to provide a suitable learning style for all children. For example, counting sticks, active times tables, games/challenges and Times Table Rock Stars.

### Differentiation

It is expected that children will be at varying stages in their times table journey. In KS1, it is very important that less able children have extra support in developing an understanding of the concept of 'lots of' to support their understanding of multiplication. If children are confident in the times tables allocated for their year group, they must be moved on to the times tables from the years above. If they have not yet achieved the target times tables for their year groups they must continue to work on the times tables from the year group below until they are secure.

Once children can recall all their times tables facts, they need to be extended through place value, related number facts and real-life problem solving in context.

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### Assessment

To ensure that children are secure in the recall of the times table and related division facts the children need to be regularly assessed. In Reception and Year 1 this assessment can be broadly teacher assessment through carpet recall sessions – ensuring that the children can recall facts in a random order. From Year 2 onwards the children should be assessed weekly on their ability to recall times tables and related division facts. These assessments could take place in the starter of a mathematics lesson and focus on instant, fast recall of facts. These assessments may be given verbally by the teacher/TA or can be a printed out set of questions.

Year 2 = 10 questions (5 times tables and 5 divisions)

Year 3 & 4 = 20 questions (10 times tables and 10 divisions)

Year 5 & 6 = 20 – 100 questions (even amount of multiplications and divisions to recall)

Teachers are to keep a log of the children's weekly assessments to ensure the progress of the children is recorded and to ensure awards are only given out when just.

### Homework

Children need to be sent home times table homework on a regular basis. This homework can take many different forms: times table challenges, identifying patterns, listening to times table songs, instant recall using Apps or interactive games, such as Times Table Rock Stars.

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*Application of times tables in calculation*

*A child's growing understanding of times tables is only relevant if they are aware of their application in calculations and real life. In order to do this, children should be using recall of times tables and related divisions when needed in calculations. This awareness can be created in several ways:*

- Highlighting when times tables are being used during modelling*
- Discussion of how they are being applied during problem solving*
- Inclusion of real-life examples of times table application*
- Practicing times tables daily*
- Marking – identifying where errors have been made, due to incorrect calculating.*

*Policy Review*

*This policy will be reviewed in full by the Governing Body annually.*

*Approved by: Governing Body*

*Approved Date: October 2019*

*Review Date: October 2020*

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