



# Abbey Hill Primary and Nursery School

## Whole School Times Table Plan

### Key stages 1 and 2



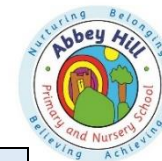
It is the National Curriculum expectation that, by the end of Year 4, all children can recall the multiplication facts up to 12 X 12. Due to the results of the 2019 Year 4 times table check, we have chosen to develop a whole school plan to ensure times tables are taught effectively throughout school. Multiplication facts are an important life skill which children require and will support confidence in number.

In order to achieve this aim, we must ensure that children in Years 1 to 4 are provided with opportunities to learn these times tables in a way that is memorable and contextualised to encourage retention of the number facts. In UKS2, the profile of times tables must remain high. Children should be provided with an array of opportunities to practise their rapid recall of these multiplication facts, supporting their confidence and competence in arithmetic. Accurate recalling of multiplication facts is an integral part of becoming an effective mathematician.

Although this plan prescribes focused times tables to be covered in each group, the expectation is to build upon prior teaching and learning. Where some pupils are not secure in previous learning, additional support will be provided to build upon and secure children's understanding. These children will continue to access the new learning alongside the whole class.

Pupils with SEN in cognition and learning will have an individual plan.

## Year 1 and 2

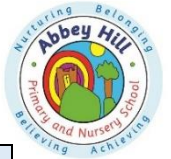


Term	Objectives
Autumn 1	Count in multiples of 2 up to 24, linking with even numbers and supporting doubles. Count in multiples of 10 up to 120.
Autumn 2	Count in steps of 2, 5 and 10 from 0 up to 12x fluently. Recall multiples of 10 up to 12 x 10 in any order, including missing numbers and division facts with growing fluency.
Spring 1	Count in steps of 2, 5 and 10 from 0 up to 12x fluently. Recall multiples of 2 up to 12 x 2 in any order, including missing number and division facts.
Spring 2	Count in steps of 2, 5 and 10 from 0 up to 12x fluently. Recall multiples of 5 up to 12 x 5 in any order, including missing numbers and division facts.
Summer 1	Count in multiples of 3 up to 12 x 3 in order from 0. Recall multiples of 3 up to 12 x 3 in any order, including missing numbers and division facts fluently.
Summer 2	Count in multiples of 2, 5, 10 and 3 from 0 up to 12x fluency. Recall multiples of 2, 5 and 10 from 0 up to 12x, including missing numbers and division facts fluently.

### Teaching methodologies:

Count objects in groups of 2, 5, 10 and 3		Sing counting songs
Hundred square	Arrays with manipulatives	Pictorial representations
Rolling numbers	Number lines	

## Year 3 and 4



Term	Objectives
Autumn 1	Count in multiples of 3 and 4 to $12 \times 3$ and $12 \times 4$ in order from 0 fluently. Recall multiples of 3 up to $12 \times 3$ in any order, including missing numbers and division facts with growing fluency.
Autumn 2	Recap 2 times tables and make connections between 2, 4 and 8 times tables. Count in multiples of 4 and 8 up to $12 \times 4$ and $12 \times 8$ in order from 0 fluently. Recall multiples of 4 up to $12 \times 4$ and multiples of 8 up to $12 \times 8$ in any order, including missing numbers and division facts with growing fluency.
Spring 1	Recap 3 times table, build upon this and make connections between 3, 6 and 9 times tables. Count in multiples of 3, 6 and 9 up to $12 \times 3$ , $12 \times 6$ and $12 \times 9$ in order from 0 fluently. Recall multiples of 3, 6 and 9 in any order, including missing number and division facts fluently.
Spring 2	Count in multiples of 7, 11 and 12 up to $12 \times 7$ , $12 \times 11$ and $12 \times 12$ in order from 0 fluently. Recall multiples of 7, 11 and 12 in any order, including missing number and division facts fluently.
Summer 1	Recall all multiplication facts from $1 \times 1$ to $12 \times 12$ in any order, including missing number problems and division facts with growing fluency.
Summer 2	Recall all multiplication facts from $1 \times 1$ to $12 \times 12$ in any order, including missing number problems and division facts fluently.

### Teaching methodologies:

Count objects in groups of 3, 4 and 8	Sing counting songs
Hundred square	Arrays with manipulatives
Rolling numbers	Number lines
	Pictorial representations



## Year 5

Although the National Curriculum Expectation is that by the end of Year 4 children are able to recall all 12 tables up to  $12 \times 12$ , in year 5, children must continue to consolidate knowledge of multiplication facts by continuing to practice these. Times tables are an essential part of mathematics which are used in every area of maths as well as in daily life.

Term	Objectives
Autumn 1	Recall multiples of 7 and 9 in any order, including missing number and division facts fluently.
Autumn 2	Recall multiples of 7, 9 and 11 in any order, including missing number and division facts fluently.
Spring 1	Recall multiples of 11 and 12 in any order, including missing number and division facts fluently.
Spring 2	Recall all multiplication facts from $1 \times 1$ to $12 \times 12$ in any order, including missing number problems and division facts with growing fluency.
Summer 1 and 2	Recall all multiplication facts from $1 \times 1$ to $12 \times 12$ in any order, including missing number problems and division facts fluently.

Teaching methodologies:

Hundred square	Number lines	Pictorial representations
Rolling numbers		



## Year 6

Although the National Curriculum Expectation is that by the end of Year 4 children are able to recall all 12 tables up to 12X 12, in year 6, children must continue to consolidate knowledge of multiplication facts by continuing to practice these. Times tables are an essential part of mathematics which are used in every area of maths as well as in daily life.

Term	Objectives
Autumn 1	Recall multiples of 3, 6 and 9 in any order, including missing number and division facts fluently.
Autumn 2	Recall multiples of 4 and 8 in any order, including missing number and division facts fluently.
Spring 1	Recall multiples of 7, 11 and 12 in any order, including missing number and division facts fluently.
Spring 2	Recall all multiplication facts from 1 x 1 to 12 x 12 in any order, including missing number problems and division facts fluently.
Summer 1 and 2	Recall all multiplication facts from 1 x 1 to 12 x 12 in any order, including missing number problems and division facts fluently.

Teaching methodologies:

Hundred square	Number lines	Pictorial representations
Rolling numbers		

## Testing of times tables:

KS1 and LKS2- The pupils in both years 1 and 2 will complete a fortnightly times table test to test the times table they are currently learning in lessons. Scores will be tracked to monitor progress and a competitive element will be introduced for the children to beat their own scores.

UKS2- The pupils in both years 5 and 6 will complete a fortnightly times table test. These tests contain 80 questions and require children to understand both multiplication and division facts for the times tables. 5 minutes will be given to complete the test. Scores will be tracked to monitor progress and a competitive element will be introduced for the children to beat their own scores.

Year 4- Throughout the year, Year 4 will test their times table knowledge using online programs in order to familiarise themselves with the process ready for the multiplication test.

## Times Table Rock Stars

Children in years 2 to 6 will use Times Tables Rock Stars, in school and at home, to aid their learning and retention of times table facts. This program offers an exciting platform for children to test their own knowledge of the multiplication and division facts.

A minimum of one 10 minutes session per week is completed from years 2 to 6.