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Targeted audience:	Parents/carers, staff and governing board
Related documents:	
All federation policies referred to are available on the federation website: <u>https://thewintertonfederation.co.uk</u> If English is not your first language, and you require assistance/translation, please contact the Junior school office.	The following federation policies: Marking and Feedback policy
Strategic alignment:	1.1 Objective: Achieve and maintain the best possible pupil outcomes.

Contents

Purpose	2
Aims	2
Progression of times tables throughout the federation	2
Assessment	3
Adaptive Teaching	3
Home Learning	3
Application of times tables in calculation	3

Appendices

Appendix A - Times Table	timetable for year group expectations	
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Purpose

Times Tables are at the heart of mental arithmetic, which in itself 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. At The Winterton Federation, we believe that through a variety of interactive, visual, engaging and rote learning techniques, most children can achieve the full times tables knowledge required by the end of Year 4.

Aims

- 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 federation;
- To explain the expected practices, to ensure children learn their times tables;
- To ensure continuity in practices and progression in times tables;
- To ensure there is successful teaching and learning of times tables and related divisions within our federation;
- To develop our knowledge of language associated with times tables: 'times', 'lots of', 'multiplied by', and 'group of', 'multiplier', 'multiplicand', 'product'.

Progression of times tables throughout the federation

Below is the expected progression throughout the federation, 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.

Our whole school approach takes on board the 'Chanting' method for rapid recall:

- Chant twice a day to support rote learning. This can be done in a variety of ways to engage the learners. e.g., using exercise, different voices etc.;
- Chant in small sound bites, e.g. instead of chanting four times 8 is 32, say four eights are 32. When marking times tables, chant the calculation, starting with the answer, e.g., 3x7=21 would be 21 because 3 7s are 21. 21÷3=7 would be 21because 7 3s are 21;
- Children to tick or correct with green pen.

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 has to count on in 1s to reach the next 5, the child is unable to count on in 5s;
- 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 7s to reach 4 x 7, they do not know their 7 times table. They are able to count on in 7s;
- Zero times tables should be explicitly taught in year 2 and 4.





When introducing a new times table:

Introduce times tables by chanting multiples and the full calculation e.g. 21 because 7 3s are 21. **See attached times table timetable for year group expectations (Appendix A).** While children are practicing and learning their times tables, the calculations should be left on the board for children to use if they are unsure on a calculation.

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.

Children are assessed at the end of each unit on their ability to recall times tables and related division facts. These assessments take place during maths times tables slots 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.

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

Times Tables rock stars can also be used to assess children on their times tables knowledge in Years 3 to 6. It is a quick, easy and accurate way of collating children's times tables knowledge, which supports teacher assessment in this area.

A gap analysis of children's results is used by the teacher to inform planning so that gaps in knowledge can be addressed and target children identified.

Adaptive Teaching

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' and ' groups of'** before moving on to rote learning of any times tables. Once children are able to recall all their times tables facts, they need to be extended through related number facts and real-life problem solving/problems in context.

Home Learning

Times Table Rock Stars is a home learning tool to which all pupils from Year 3 to 6 have access. It is a carefully sequenced programme of daily times tables practice. Teachers can access and set learning tasks for pupils and children are expected to be actively encouraged to access this platform from home.

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 on a daily basis;
- marking identifying where errors have been made.





Appendix A

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Counting	Number bonds	Number bonds	Count in steps	Count in steps	Count in steps
	forward to 10	to 10	to 20	of 2	of 10	of 5
	and counting					
	backward from					
	10					
Year 2	Count in steps	Count in steps	Multiplication	Multiplication	Multiplication	Multiplication
	of 2	of 3	facts for 5 and	facts for 2, 5	facts for up to	facts for up to
	Double and	Count in steps	10	and 10	6 x 3 (1 st half	12 x 3
	halve	of 5 and 10			of 3x table)	(2 nd half of 3x
						table)
Year 3	Multiplication	Multiplication	Multiplication	Multiplication	Multiplication	Multiplication
	facts for up to	facts for up to	and division	and division	facts for up to	and division
	6 x 4 (1 st half	6 x 8 (1 st half	facts for 2, 5,	facts for 2, 5,	6 x 6 (1 st half	facts for 2, 5,
	of 4x table)	of the 8x	10 and 3, 4 and	10 and 3, 4 and	of the 6x	10 and 3, 4, 6
	Multiplication	table)	8	8	table)	and 8
	facts for up to	Multiplication			Multiplication	
	12 x 4 (2 nd half	facts for up to			facts for up to	
	of 4x table	12 x 8 (2 nd half			12 x 6 (2 nd half	
		of the 8x			of the 6x	
		table)			table)	





Year 4	Multiplication	Multiplication	Multiplication	Multiplication	Multiplication	Multiplication
	facts for up to	facts for up to	facts for up to	facts for up to	and division	and division
	6 x 9 (1 st half	6 x 12 (1 st half	6 x 11 (1 st half	6 x 7 (1 st half	facts for up to	facts for up to
	of the 9x	of the 12x	of the 11x	of the 7x	12 x 12	12 x 12
	table)	table)	table)	table)		
	Multiplication	Multiplication	Multiplication	Multiplication		
	facts for up to	facts for up to	facts for up to	facts for up to		
	12 x 9 (2 nd half	12 x 12 (2 nd	12 x 11 (2 nd half	12 x 7 (2 nd half		
	of the 9z table)	half of the 12x	of the 11x	of the 7 times		
		table)	table)	table)		
Year 5 and	Intervention	Intervention	Intervention	Intervention	Intervention	Intervention
Year 6	support for	support for	support for	support for	support for	support for
	pupils who have	pupils who have	pupils who have	pupils who have	pupils who have	pupils who have
	not scored 20+	not scored 20+	not scored 20+	not scored 20+	not scored 20+	not scored 20+
	on the MTC	on the MTC	on the MTC	on the MTC	on the MTC	on the MTC

- Year 2, 3 and 4 will receive 10 minutes of times table practice daily
- Pupils have the times table displayed during the session so they can use it this is not a test!
- Pupils are tested half termly to see the progress and record this on the spreadsheet
- When is the time going to be?!