Multiplication Progression for Orchard Meadow:
It is a requirement that by the end of year 4 all children must be able to recall all multiplication facts up to 12 x 12. Grid one shows the activities that should be done daily with your classes on rotation in order for children to become proficient in the times tables that

Weekly Progression for times tables

	Weekly progression KS1	**Weekly progression LKS2**	**Weekly progression UKS2**
Monday	Use of concrete objects to create multiplication tables/ 10/20 frames.	Quick Subitising - Number line with discussion of strategies	Quick Subitising Number line with discussion of strategies
Tuesday	Tens frames work/ Number line with discussion of strategies	Use of strategies to create concrete – Discussion around arrays – Arrays slider. Arrays with food on a sheet – understanding of which number represent what.	Use of strategies to create concrete knowledge
Wednesday	Subitising practice modelling of strategies.	Times tables whole class games: Pendulum partner card swap	Times tables whole class games: Pendulum partner card swap
Thursday	Independent task for children (missing numbers sheet, fill in the missing sentences, hexagon related fact sheet) – Scoop and Boost weaker children and play a game very low steaks.	Independent task for children (missing numbers sheet, fill in the missing sentences, hexagon related fact sheet) – Scoop and Boost weaker children and play a game - very low steaks.	Independent task for children (missing numbers sheet, fill in the missing sentences, hexagon related fact sheet) – Scoop and Boost weaker children and play a game - very low steaks.
Friday	Times Tables 3-minute assessment based on tables being completed	Times Tables 3-minute assessment based on tables being completed	Times Tables 3-minute assessment based on tables being completed
If any teacher thinks a different ks is better for their class then they can pursue it. EG, if the year 5 teacher think their class would benefit from array work, then they can move down to the LKS2 progression. Or if the yr2 teacher thinks their class would benefit from arrays and more number line work then they can move to LKS2.			

Year 1		Recall of facts
Term 1	Count in 2's up to 24, linking with even numbers and supporting doubles. Count in multiples of 10 in order up to 120.	10 Frames - number bonds to 10
Term 2	Count in 2's up to 24, linking with even numbers and supporting doubles. Count in multiples of 10 in order up to 120.	10 Frames - number bonds to 10
Term 3	Focus on counting in multiples of 5 up to 60, linking with knowledge of counting in 10s. Continue to develop fluency of counting in 2's and 10's.	10 Frames - number bonds to 10, number bonds to 20. Counting in 2's and 10's and doubles.
Term 4	Focus on counting in multiples of 5 up to 60, linking with knowledge of counting in 10s. Continue to develop fluency of counting in 2's and 10's.	10 Frames - number bonds to 10, number bonds to 20. Counting in 2's and 10's and doubles.
Term 5	Count in multiples of 10, 2 and 5 in order with growing fluency.	10 Frames - number bonds to 10, number bonds to 20.
Term 6	Count in multiples of 10, 2 and 5 in order fluently.	10 Frames - number bonds to 10, number bonds to 20.

- Count pairs of objects
- Count straws bundled in tens
- Sing counting songs
- Hundred square
- Number lines
- Pictorial representations on display
- Rolling Numbers

Year 2:		Recall of facts
Term 1	Consolidate counting in steps of 2, 5 and 10 in order from 0 up to 12x.	Tens frames – number bonds to 10 and 20.
Term 2	Count in steps of 2 and 5 from 0 up to 12x fluently. Recall multiples of 10 up to 12x10 in any order, including missing numbers and related division facts with growing fluency.	Tens frames – number bonds to 10 and 20.
Term 3	Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts. Recall multiples of 10 up to 12x10 fluently.	Tens frames – number bonds to 10 and 20.
Term 4	Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts. Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts with growing fluency.	Tens frames – number bonds to 10 and 20. 2 and 10 times tables with missing numbers.
Term 5	Count in multiples of 3 to 12x3 in order from 0. Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts fluently. Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts with growing fluency.	Tens frames – number bonds to 10 and 20. 2, 5 and 10 times tables with missing numbers.
Term 6	Count in multiples of 3 to 12x3 in order from 0 with growing fluency. Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts fluently.	Tens frames – number bonds to 10 and 20. 2, 5 and 10 times tables with missing numbers.

- Counting objects in groups of 2, 5, 10 & 3
- Sing counting songs
- Hundred square
- Number lines
- Array with concrete resources
- Pictorial representations on display
- Rolling Numbers

Year 3		
Term 1	Count in multiples of 3 to 12x3 in order from 0 fluently.	Recall 2, 3, 5, 10. Number bonds – 10 and 20.
Term 2	Recall multiples of 3 up to 12x3 in any order, including missing numbers and related division facts with growing fluency. Count in multiples of 4 to 12x4 in order from 0 with growing fluency. Introduce (relating to x4) and begin to count in multiples of 8 from 0 to 12x8.	Recall 2, 3, 5, 10. Number bonds – 10 and 20.
Term 3	Recall multiples of 3 up to 12x3 in any order, including missing numbers and related division facts fluently. Count in multiples of 4 to 12x4 in order from 0 with fluently. Count in multiples of 8 to 12x8 in order from 0 with growing fluency.	Recall 2, 3, 5, 10. Number bonds – 10 and 20.
Term 4	Recall multiples of 4 up to 12x4 in any order, including missing numbers and related division facts with growing fluency. Count in multiples of 8 to 12x8 in order from 0 fluently.	Recall 2, 3, 5, 10. Number bonds – 10 and 20.
Term 5	Recall multiples of 4 up to 12x4 in any order, including missing numbers and related division facts fluently. Recall multiples of 8 up to 12x8 in any order, including missing numbers and related division facts with growing fluency.	Recall 2, 3, 5, 10. Number bonds – 10 and 20.
Term 6	Recall multiples of 8 up to 12x8 in any order, including missing numbers and related division facts fluently.	Recall 2, 3, 4, 5, 8, 10 times tables with missing numbers and division facts. Number bonds – 10 and 20.
• Year 4 Counting objects in groups of 3, 4 and 8 • Hundred square • Number lines • Array with concrete resources • Pictorial representations on display • Rolling Numbers		

Year 4		Recall
Term 1	Recall multiples of 3,4 and 8 up to 12x in any order, including missing numbers and related division facts fluently. Fluently count in 6's in order up to 12x6, using multiples of 3 to support.	Recall 2, 3, 4, 5, 8, 10 times tables with missing numbers and division facts.
Term 2	Recall multiples of 6 in any order, including missing numbers and related division facts with growing fluency. Fluently count in 7's in order up to 12x7.	Recall 2, 3, 4, 5, 8, 10 times tables with missing numbers and division facts.
Term 3	Recall multiples of 6 in any order, including missing numbers and related division facts fluently. Recall multiples of 7 in any order, including missing numbers and related division facts with growing fluency.	Recall 2, 3, 4, 5, 6, 7, 8, 10 times tables with missing numbers and division facts.
Term 4	Recall multiples of 7 in any order, including missing numbers and related division facts fluently. Fluently count in 9's in order up to 12x9. Fluently count in 11's in order up to 12x11.	Recall 2, 3, 4, 5, 6, 7, 8, 10 times tables with missing numbers and division facts.
Term 5	Recall multiples of 9 in any order, including missing numbers and related division facts with growing fluency (using 10x and adjusting by 1 group to find 9x as a strategy) Recall multiples of 11 in any order, including missing numbers and related division	Recall 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 times tables with missing numbers and division facts.
Term 6	Recall multiples of 9 in any order, including missing numbers and related division facts fluently. Recall multiples of 12 in any order, including missing numbers and related division facts with growing fluency (using 10x and adjusting by adding 2 more groups).facts fluently. Fluently count in 12's in order up to 12x12.	Recall 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 times tables with missing numbers and division facts.
• Hundred square • Number lines • Pictorial representations on display • Rolling Numbers		

Year 5/ 6

The National Curriculum expectation is that by the end of Year 4, children are able to recall all 12 tables up to 12x12.
To secure this, we recommended that the first term of Year 5 be used to consolidate by continuing your practice.
If you find that your children are working below the structure outlined in this document, we recommend tracking back to where your children are.

Term 1/2	Recall multiples of 12 in any order, including missing numbers and related division facts fluently. Recall multiples of all times tables up to 12x12 in any order, including missing numbers and related division facts with growing fluency. Understand squared and cubed numbers and how to solve them using related facts. Multiply 3 single digits together.	
Term 3/4	Relate facts to larger numbers: 15 x 6/ 120 x 9	

- Pictorial representations on display
- Rolling Numbers