Summary Of Yearly KIRFs Term By Term

KIRFs (Key Instant Recall Facts) are designed to support the development of the mental skills that underpin much of the maths work in school. Instant recall facts help enormously with mental agility within maths lessons. When children move onto written calculations, knowing these facts can be very beneficial.

Autumn 1			
Year 3	**Year 4**	**Year 5**	**Year 6**
Know all number bonds for each number to 20.	Know all number bonds to 100 (multiples of 5 & 10).	Know all decimals that total 1 or 10 (1 decimal place)	Know all previous number bonds including decimals.

Autumn 2			
Year 3	**Year 4**	**Year 5**	**Year 6**
Know multiplication and division facts for 2x, 5x, 10x.	Know all multiplication and division facts for 3x, 6x and 9x tables.	Apply times table knowledge to decimals where one number is a decimal number. E.g. knowing 4 x 3 = 12 can be applied to 0.4 x 3 = 1.2	Apply times table knowledge to decimals where both numbers are decimal numbers. E.g. knowing 4 x 3 = 12 can be applied to 0.4 x 0.3 = 0.12

Spring 1			
Year 3	**Year 4**	**Year 5**	**Year 6**
Know multiplication and division facts for 3x and 4x tables.	Know multiplication and division facts for 7x and 11x tables. Know all 2-digit pairs that total 100 (any number).	Know the doubles and halves of all two-digit numbers. Recall metric conversions.	Fractions, decimals and percentages equivalents.

Spring 2			
Year 3	**Year 4**	**Year 5**	**Year 6**
Know doubles and halves of: All whole numbers to 20 All multiples of 10 to 500 All multiples of 100 to 5000.	Know multiplication and division facts for 12x tables. Know doubles and halves of: All whole numbers to 50 All multiples of 5 to 1000 All multiples of 50 to 5000.	Know doubles and halves of: All whole numbers to 100 All multiples of 10 to 1000 All multiples of 100 to 10,000. Identify prime numbers up to 20.	Know the doubles and halves of all multiples of 10 to 10,000. Identify prime numbers up to 100.

Summer 1			
Year 3	**Year 4**	**Year 5**	**Year 6**
Know number pairs that total 100.	Revise multiplication and division facts for all times tables. Know all pairs of multiples of 50 with a total of 1000.	Know all factors of numbers up to 100.	Know the tests for divisibility for 4 and 6.

Summer 2			
Year 3	**Year 4**	**Year 5**	**Year 6**
Know multiplication and division facts for the 4x and 8x tables.	Multiply and divide single digit whole numbers by 10 or 100.	Know the tests for divisibility for 2, 3, 5, 9 and 10.	Consolidate previous work.