SFET South Farnham Educational Trust	Maths Knowledge Organiser		
	Spring	**Year 1**	**Strands covered:** Number – PV, Measure, Money, Fractions Number – A/S, Number – M/D, Geometry

What Prior Knowledge should students have;

- Place numbers from 1 to 20 in order.
- Count reliably with numbers from 1 to 20.
- solve problems including doubling, halving and sharing.
- use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems.
- Explore characteristics of everyday objects and shapes and use mathematical language to describe them.

Key Vocabulary	Definition
Arrays	An arrangement of objects, pictures, or numbers in rows and columns
Multiples	the numbers you get when you multiply a certain number by an integer. For example, multiples of 5 are: 10, 15, 20, 25, 30…etc
Odd	A number which is not divisible by “2”
Even	Any number that can be exactly divided by 2
Partition	a method of solving maths problems with larger numbers by splitting them up into smaller units

What Skills will students learn (Disciplinary Knowledge)

- How to order numbers to 20.
- How to make repeating patterns.
- How to solve problems
- How to use reasoning
- How to count in 2s, 5s and 10s
- How to share objects into equal groups.
- How to weigh objects and compare weights
- How to work systematically
- How to order the days of the week and months of the year.
- How to find a quarter of a shape, length and set of objects

What key knowledge will be taught (Substantive Knowledge)

- To know odd and even numbers to 20.
- To know and name 2-D and 3-D shapes
- To know pairs of numbers that add up to 10.
- To use addition facts to find subtraction facts and vice versa.
- To read and show o’clock and half past times.
- To write numbers in numerals or words.
- To be able to find the number of 10s and 1s in numbers to 20.
- To know multiples of 2, 5 and 10.

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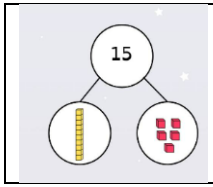
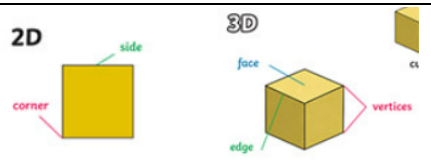
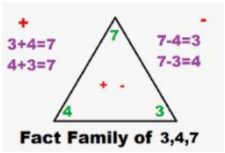
Calculation Guidance

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