**Year 5 Lynnfield Apparatus - Maths**

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| **Year 5** | **Autumn** | **Spring** | **Summer** |
| **Objectives** | **World War I/II****‘Could you survive in Hartlepool during the World Wars?’- History (Healthy eaters)** | **Space****‘Could you be an astronaut?’ – Science (Healthy thinkers)**  | **Rivers** **‘Could you be an explorer?’ – Geography (Healthy movers)** |
| NPVR | * Working to at least 1000000
* Numberline
* Cubes
* Place value 1s, 10s and 100s counters
* Base ten 1s, 10s, 100s and 1000s
* Counters
* Arrow cards
* Pictorial representations
 | * Working to at least 1000000
* Numberline
* Cubes
* Place value 1s, 10s and 100s counters
* Base ten 1s, 10s, 100s and 1000s
* Counters
* Arrow cards
* Pictorial representations
 | * Working to at least 1000000
* Numberline
* Cubes
* Place value 1s, 10s and 100s counters
* Base ten 1s, 10s, 100s and 1000s
* Counters
* Arrow cards
* Pictorial representations
 |
| ASMD | * Factors
* Multiples
* Prime numbers
* Square numbers
* Cubed numbers
* Column addition
* Column subtraction
* Formal written method for multiplication
* Formal written method for division
* Mental methods
* Concrete objects
* Pictorial representation
* Bar model
* Place value counters 0.01s, 0.1s, 1s, 10s, 100s and 1000s
 | * Factors
* Multiples
* Prime numbers
* Square numbers
* Cubed numbers
* Column addition
* Column subtraction
* Formal written method for multiplication
* Formal written method for division
* Mental methods
* Concrete objects
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* Prime numbers
* Square numbers
* Cubed numbers
* Column addition
* Column subtraction
* Formal written method for multiplication
* Formal written method for division
* Mental methods
* Concrete objects
* Pictorial representation
* Bar model
* Place value counters 0.01s, 0.1s, 1s, 10s, 100s and 1000s
 |
| F |  | * Fraction wall
* Fraction finder
* Concrete objects
* Pictorial representations
* Place value counters 0.01s, 0.1s, 1s, 10s, 100s and 1000s
 | * Fraction wall
* Fraction finder
* Concrete objects
* Pictorial representations
* Place value counters 0.01s, 0.1s, 1s, 10s, 100s and 1000s
 |
| M | * Rulers
* Metre sticks
* Concrete objects
* Pictorial representation
 |  | * Concrete objects
* Pictorial representation
* Weight
* Measuring vessels
 |
| Sh |  |  | * 3d shapes
* 2d shapes
* 3d shape nets
* Protractors
* Cubes
 |
| PDM |  |  | * Mirrors
 |
| St | * Line graph
* Tally charts
* Data tables
* Timetables
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