**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 * 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 * 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 |  |  |