**Year 4 Lynnfield Appartus - Maths**

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| **Year 4** | **Autumn** | **Spring** | **Summer** |
| **Objectives** | **Harry Potter**  **‘Do you believe in magic?’ – Science (Healthy Thinkers)** | **Volcanoes**  **‘Why do people choose to live near volcanoes?’ *or* ‘Is it a healthy choice to live near volcanoes?’ –Geography ( Healthy Eaters)** | **Anglo-Saxons/Vikings**  **‘Do “settlers” ever actually “settle” in Britain?’ – History (Healthy Movers)** |
| NPVR | * Working beyond 1000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s, 100s and 1000s * Counters * Arrow cards * Pictorial representations | * Working beyond 1000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s, 100s and 1000s * Counters * Arrow cards * Pictorial representations | * Working beyond 1000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s, 100s and 1000s * Counters * Arrow cards * Pictorial representations |
| ASMD | * Multiplication tables 6, 7 and 9 * Colum addition * Column subtraction * Part whole model * Bar model * Mental methods | * Multiplication tables 6, 7 and 9 * Colum addition * Column subtraction * Part whole model * Bar model * Mental methods * Formal written method for multiplication * Formal written method for division | * All multiplication up to 12 x x12 * Colum addition * Column subtraction * Part whole model * Bar model * Mental methods * Formal written method for multiplication * Formal written method for division |
| F |  | * Fraction finder * Fraction wall * Concrete objects * Pictorial representation * Place value counters 0.01s, 0.1s, 1s, 10s and 100s * Fraction finders | * Fraction finder * Fraction wall * Concrete objects * Pictorial representation * Place value counters 0.01s, 0.1s, 1s, 10s and 100s * Fraction finders |
| M | * Ruler * Metre stick * Pictorial representations * Concrete objects | * Ruler * Metre stick * Pictorial representations * Concrete objects | * Ruler * Metre stick * Scales * Measuring vessels * Coins * Notes * Clocks * Pictorial representations |
| Sh |  |  | * Protractor * 2d shapes * 3d shape * Mirror * 3d shape nets |
| PDM |  |  | * Beebots |
| St |  |  | * Bar charts * Time graphs * Pictograms * Discrete data * Continuous data |