**Year 3 Lynnfield Apparatus Maths**

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| **Year 3** | **Autumn** | **Spring** | **Summer** |
| **Objectives** | **The Romans**  **‘How can you be as fit as a Roman soldier?’ (Healthy eaters/movers) - History** | **Rocks and Soils**  **How can you make the best milkshake for a troll? (Healthy eaters) - Science** | **The Weather**  **Can the weather make us feel better?**  **(Healthy thinkers) - Geography** |
| **NPVR** | * Working to 1000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s and 100s * Counters * Arrow cards | * Working to 1000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s and 100s * Counters * Arrow cards | * Working to 1000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s and 100s * Counters * Arrow cards |
| **A&S** | * Working with 3 digit numbers * Numberline * Concrete objects * Pictorial representation * Cubes * Place value 1s and 10s counters * Base ten 1s and 10s * Counters * Column addition * Column subtraction | * Working with 3 digit numbers * Numberline * Concrete objects * Pictorial representation * Cubes * Place value 1s and 10s counters * Base ten 1s and 10s * Counters * Column addition * Column subtraction | * Working with 3 digit numbers * Numberline * Concrete objects * Pictorial representation * Cubes * Place value 1s and 10s counters * Base ten 1s and 10s * Counters * Column addition * Column subtraction |
| **M&D** | * Arrays * Concrete objects * Pictorial representation * Part whole model * Repeated addition * Mental methods * Formal written method | * Arrays * Concrete objects * Pictorial representation * Part whole model * Repeated addition * Mental methods * Formal written methods * 3, 4, 8 times tables | * Arrays * Concrete objects * Pictorial representation * Part whole model * Repeated addition * Mental methods * Formal written methods * 3, 4, 8 times tables |
| **F** |  | * Concrete objects * Pictorial representation * Place value counters 0.1s, 1s * Fraction finders | * Concrete objects * Pictorial representation * Place value counters 0.1s, 1s * Fraction finders |
| **M** |  | * Coins * Notes * Concrete objects * Pictorial representation * Rulers * Metre sticks * Weights * Scales * Measuring vessels * 2d shapes | * Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks. * Clocks * Concrete objects * Pictorial representation * Rulers * Metre sticks * Weights * Scales * Measuring vessels |
| **Sh** |  |  | * 2d shapes * 3d shapes * 3d nets * Protractor * Beebots |
| **St** |  | * Tally charts * Data tables * Scaled bar charts * Pictograms |  |