**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
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| **St** |  | * Tally charts
* Data tables
* Scaled bar charts
* Pictograms
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