**Year 4 Lynnfield Appartus - Maths**

|  |  |  |  |
| --- | --- | --- | --- |
| **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
 |