**Year 6 Lynnfield Apparatus - Maths**

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| **Year 6** | **Autumn** | **Spring** | **Summer** |
| **Objectives** | **Egyptians**  **‘Can you walk like an Egyptian?’ - History (Healthy eaters)** | **The Amazon Rainforest**  **‘Deforestation’ – How WOOD you like it?’ - Geography (Healthy movers)** | **Every BODY changes**  **‘Can you embrace change?’- Science (Healthy thinkers)** |
| NPVR | * Working with numbers up to 10,000,000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s, 100s and 1000s * Counters * Arrow cards * Pictorial representations | * Working with numbers up to 10,000,000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s, 100s and 1000s * Counters * Arrow cards * Pictorial representations | * Working with numbers up to 10,000,000 * Numberline * Cubes * Place value 1s, 10s and 100s counters * Base ten 1s, 10s, 100s and 1000s * Counters * Arrow cards * Pictorial representations. |
| ASMD | * Concrete objects * Pictorial representations * Column addition * Column subtraction * Mental methods * Formal written method for multiplication * Long division * Short division * Factors * Multiples * Prime numbers | * Concrete objects * Pictorial representations * Column addition * Column subtraction * Mental methods * Formal written method for multiplication * Long division * Short division * Factors * Multiples * Prime numbers | * Concrete objects * Pictorial representations * Column addition * Column subtraction * Mental methods * Formal written method for multiplication * Long division * Short division * Factors * Multiples * Prime numbers |
| F | * Linear number sequences * Fraction finders * Fraction walls * Concrete objects * Pictorial representations * Place value counters 0.01s and 0.01s. | * Linear number sequences * Fraction finders * Fraction walls * Concrete objects * Pictorial representations * Place value counters 0.01s and 0.01s. |  |
| Al |  | * Use simple formulae * Generate and describe linear number sequences. |  |
| R&P |  | * Multiplication and division methods * Concrete objects * Pictorial representations |  |
| M |  | * Rulers * Metre sticks * Scales * Weights * Scales * Meauring vessels * 2d shapes * Area * Volume |  |
| Sh |  |  | * 2d shapes * 3d shapes * Protractors |
| P&D | * Co-ordinate grids * Four quadrants * Coordinate plane with axis |  |  |
| St |  |  | * Radius * Diameter * Circumference * Pie charts * Line graph * Mean |