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| **http://www.schooljotter.com/imagefolders/theleasingham/dislogo.jpghttp://www.schooljotter.com/imagefolders/theleasingham/dislogo.jpgSt. Andrew’s Primary School**  **Progression in the use of some of the manipulatives**  **used to support learning** | | | | | | |
| **EYFS** | **Y1** | **Y2** | **Y3** | **Y4** | **Y5** | **Y6** |
| Real-life objects | Real-life objects | Real-life objects | Real-life objects | Real-life objects | Real-life objects | Real-life objects |
| 0 – 9 digit cards | 0 – 9 digit cards | 0 – 9 digit cards | 0 – 9 digit cards | 0 – 9 digit cards | 0 – 9 digit cards | 0 – 9 digit cards |
| Number track to 10 | Number line to 20 | Number line to 100 | Number line to 100 | Number line including decimals | Number line including decimals | Number line including decimals |
| Tens frame | Tens frame | Tens frame |  |  |  |  |
| Bead strings – ten | Bead strings – twenty | Bead strings – hundred |  |  |  |  |
| Numicon shapes | Numicon shapes | Numicon shapes | Numicon shapes | Numicon shapes |  |  |
| Place Value Charts to at least include: | Place Value Charts to at least include:  Tens and ones | Place Value Charts to at least include::  Hundreds, tens and  ones | Place Value Charts to at least include:  Thousands, hundreds,  tens and ones | Place Value Charts to at least include:  Ten thousands,  thousands, hundreds,  tens, ones and tenths | Place Value Charts to at least include:  a million and three decimal places | Place Value Charts to at least include:  to 10 million and three decimal places |
| Base 10 | Base 10 | Base 10 | Base 10 & PV counters | Base 10 & PV counters | Base 10 & PV counters | Base 10 & PV counters |
| Place value arrow – tens and ones | Place value arrow – tens and ones | Place value arrow - tens and  ones | Place value arrow -  Hundreds, tens and  ones | Place value arrow -Thousands, hundreds,  tens and ones | Place value arrow | Place value arrow |
| Part-part-whole model | Part-part-whole model | Part-part-whole model | Part-part-whole model | Part-part-whole model | Part-part-whole model | Part-part-whole model |
| Bar model with real-life  objects/cubes | Bar model with real  life objects/pictorial  objects/representative  objects e.g. counters or cubes | Bar model with  Objects progressing to  numbers | Bar model with numbers and cuisenaire rods | Bar model with numbers and cuisenaire rods | Bar model with numbers and cuisenaire rods | Bar model with numbers and cuisenaire rods |
| Cuisenaire rods | Cuisenaire rods | Cuisenaire rods | Cuisenaire rods | Cuisenaire rods | Cuisenaire rods | Cuisenaire rods |
| Multilink cubes | Multilink cubes | Multilink cubes | Multilink cubes | Multilink cubes | Multilink cubes | Multilink cubes |
| Double sides counters | Double sides counters | Double sides counters | Double sides counters | Double sides counters | Double sides counters | Double sides counters |