

|  | Identify missing characteristics in exact replicas. <br> Stories/ rhymes: two little dickie birds, Noah's Ark (story/ song) |  |  | Recognise attributes e.g. point out or select objects which are heavier / lighter/ taller/ longer/ shorter <br> Replicate/ copy by selecting appropriate objects and materials that have similar properties demonstrating that they can compare and explain their ideas <br> Order a set of objects, using a given criterion, which has been modelled e.g. shortest to tallest, biggest to smallest, fullest to empiest, etc. |  |  |
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|  | Subitising | Cardinality, ordinality and counting | Composition | Comparison (inc Measures) | Pattern | Shape and Space |
| Strand Term 3 <br> Children will: | Perceptually subitise within 3 (different arrangements, different representations, range of contexts (e.g. at snack time - "I have 3 oranges or two pairs and one orange) <br> Perceptually subitise 4 then 5 familiar objects when arranged as a, rectangular, linear or diagonal pattern e.g. dice, domino <br> Begin to recognise (perceptually subitise) up to 5 objects in irregular arrangements also. <br> Begin to conceptually subitise objects of different colours e.g. yellow/ blue counters and know that there are 2 blue and 2 yellow so 4 altogether. <br> Begin to conceptually subitise up to 5 different objects in a range of contexts e.g. 3 bananas and 2 apples make 5 pieces of fruit <br> Copy the number of objects e.g. match 5 pebbles to 5 dots on a dice/ domino, <br> Use their fingers to represent quantities which they can subitise- including using different representations e.g. different combinations of fingers. <br> Instantly recognise quantities up to 5 and confidently make a matching copy (this can also include arrangement of the objects). <br> Look critically at different arrangements to identify exact matches. <br> Talk about the numbers they recognise to break up larger quantities e.g. in six objects they may see a three and a three or a four and a two. | Recite numbers in sequence forward up to 10 (rote counting) <br> Recite numbers backward from 5 (rote counting) <br> Relate the counting sequence to cardinality, <br> Understand that the last number spoken gives the number in the entire set <br> Have 1:1 correspondence of fixed items (up to 5 objects), when objects are similar and placed in a line <br> Develop 1:1 correspondence of moveable items (up to 5 objects) <br> Understand that objects that cannot be seen can also be counted (e.g. claps, sounds) <br> Select a small number of objects from a larger group. <br> Begin to recognise numerals 1, 2, 3 (not related to amounts/ number of objects) <br> Recognise numerals of personal significance e.g. age, door number, etc | Match small groups of up 4 objects including dissimilar items such 4 plates for 4 people, 3 chairs for 3 bears, etc <br> Know that 3 is made of three ones ( 1,1 , and 1 ) and that four is made of four ones. <br> Compose their own collections within 5. | Make decisions and give reasons about the order of a set of objects, using given attributes. Respond appropriately to questions, with accurate detail to explain their reasoning. <br> Compares collections of 1-4 identical items verbally or nonverbally (just by looking). They begin to compare using number words e.g. one, two, three, four. <br> Matches small (1-4) equal collections consisting of different items e.g. shells and dots, showing that they are the same number. <br> Accurately compares using counting sets of up to 5 objects (objects to be about the same size). <br> Measures: <br> 1.Find something that is heavier/ lighter, longer/ shorter than a given reference item <br> 2. During adult led sessions, utilise strategies such as direct comparison e.g. placing objects side by side to determine which is longer. | Copy, extend and create AB patterns of type e.g. object orientations e.g. up, down <br> Notice and extend quantity patterns <br> Notice, copy and extend patterns in stories <br> Notice, describe, copy and extend growing patterns e.g. increasing quantity of objects <br> Choose their own rule for a pattern and create a pattern. | Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round' (Dev Matters) <br> Know and use language relating to viewpoint: behind, in front of, forwards, backwards, (left, right (NCETM) <br> Represent spatial relationships- make simple representations of a 3D object e.g. design a garden using a tray with sand, twigs, etc, follow a simple map <br> Begin to identify similarities between shapes: represent a ball as a circle, build a train from rectangular blocks, select a tube for an elephant's trunk,' etc. |


| Vocabulary to be reinforced by adults | Same/ Different | Number | Same, different | More, less, fewer, | Repeated, same, different morning, afternoon, evening, next, before, after, first, | sides, corners, |
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|  | More/ Less/ Fewer | Count | More/ Less/ Fewer | bigger, smaller |  | Straight, flat, round |
|  | Match | Forward/ Backwards | Match | Longer, shorter |  | in, on, under, up, down, across |
|  | Guess | How many, Altogether | Enough | Higher, lower |  | behind, in front of, forwards, backwards, |
|  |  | One, two, three ... ten | Collection | Same, different |  | (left, right) |
|  |  | Next |  | full |  | Same, different More, less, fewer |

