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| Mathematics |
| Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically. Children should be able to count confidently, develop a deep understanding of the numbers to 10, the relationships between them and the patterns within those numbers. By providing frequent and varied opportunities to build and apply this understanding - such as using manipulatives, including small pebbles and tens frames for organising counting - children will develop a secure base of knowledge and vocabulary from which mastery of mathematics is built. In addition, it is important that the curriculum includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures. It is important that children develop positive attitudes and interests in mathematics, look for patterns and relationships, spot connections, ‘have a go’, talk to adults and peers about what they notice and not be afraid to make mistakes |
| Nursery | ColoursSortingPatterns | SizeCountingComparing | Number 1Number 2Number 3 | Number 4Number 5Counting to 5 | ShapesMy dayShort, Long and Tall – comparing length | WeightCapacityPositional Language |
| Nursery Curriculum goals | Know how to solve everyday problems in their playUse mathematical language and begin to count. |
| Reception | *Getting to know**You**Just like me*Match and sortMaking comparisons(CompareamountsCompare size,mass andcapacity)Exploring Pattern(Make simplepatterns) | *It’s me 1, 2, 3!*Representing 1, 2,3Comparing 1, 2, 3Composition of 1,2, 3Geometry andspatial thinking(Circles andtrianglesSpatial awareness)*Light and dark*Numbers to 5(Four and FiveOne more andone less) | *Alive in 5!*Introducing zeroComparingnumbers to 5Composition of 4and 5Compare massCompare capacity*Growing 6, 7, 8*6, 7 and 8Making pairsCombining 2groupsLength and heightTime | *Building 9 and 10*9 and 10Comparingnumbers to 10Bonds to 103D shapePattern *Consolidation* | *To 20 and beyond*Building numbersbeyond 10Counting patternsbeyond 10Spatial reasoning*First, then, now*Adding moreTaking awaySpatial reasoning | *Find my pattern*DoublingSharing andgroupingEven and oddSpatial reasoning*On the move*DeepeningunderstandingPatterns andrelationshipsSpatial reasoning |
| Reception Curriculum goals | Understand in depth numbers to 10, including number bondsRecognise the pattern of the counting system. Compare quantities in different contexts.  |