

## Cavendish Close Infant and Nursery School

# Our STAR Curriculum for Mathematics

### Early Years Foundation Stage: Specific Area of Learning: Mathematics

#### Our Intent for Mathematics

At Cavendish Close Infant and Nursery School, our children will develop as mathematicians through a range of learning experiences that are underpinned by our key intentions for learning in Mathematics.

Our intention is for our children to:

- 1 Enjoy and be curious about Mathematics using it in their everyday life.
- 2 Become fluent in fundamentals of mathematics by recalling and applying knowledge rapidly.
- 3 To reason mathematically by finding patterns and using mathematical language.
- 4 To solve problems systematically by exploring and seeking solutions showing resilience.
- 5 Use concrete manipulatives, pictorial and abstract representations to make rich connections across mathematical ideas.
- 6 Master our 10 Learning Values.
- 7 Build knowledge as set out in our Mathematics Curriculum.
- 8 Build vocabulary as set out in our Mathematics Curriculum.
- 9 To have rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures.
- 10 Use our enabling environment to support our Mathematics Curriculum. This includes:
  - 'Real Maths' role play in every classroom.
  - 'Imagination den' with 3D wooden shapes in every classroom.
  - 'Technology zones' in classrooms using: Smart boards, computers, laptops and I-pads to support fluency.

#### Our 10 Learning Values

<b>Flexible Flo</b>	We think of good ideas. We think of different ways to do things.	<b>Curious Ash</b>	We enjoy finding out and exploring. We ask clever questions.
<b>Brave Astrid</b>	We are confident to try new challenges. We learn from mistakes	<b>Sparks the Cat</b>	We ask for help when we need it. We are happy to teach our friends.
<b>Determined Dexter</b>	We always try our best. We are resilient, we keep on trying.		