

## Maths Intent, Implementation and Impact.

### Intent

At Belvedere Infant and Nursery School we believe mathematics is an important part of children's development throughout school, right from an early age. We intend on delivering a curriculum which:

- Allows children to be a part of creative and engaging lessons to explore mathematics following a mastery curriculum approach
- Gives children opportunity to develop mathematical language and discuss mathematical problems.
- Gives each pupil a chance to believe in themselves as mathematicians and develop the power of resilience and perseverance when faced with mathematical challenges
- Recognises that mathematics underpins much of our daily lives and therefore is of paramount importance in order that children aspire and become successful in the next stage of their learning.
- Engages all children and entitles them to the same quality of teaching and learning opportunities.
- Makes connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.
- Provides equal opportunities for children to apply their mathematical knowledge to other subjects (cross-curricular links)
- Is in line with the expectations in the National Curriculum 2014.

### Implementation

- We follow the National Curriculum and use White Rose Schemes of Work as a guide to support teacher with their planning and assessment
- At the start of each new topic, key vocabulary is introduced and revisited regularly to develop language acquisition, embedding as the topic progresses
- Children are taught through clear modelling and have the opportunity to develop their knowledge and understanding of mathematical concepts. The mastery approach incorporates using objects, pictures, words and numbers to help children explore and demonstrate mathematical ideas, enrich their learning experience and deepen understanding at all levels.
- **Children work on the objective at whatever entrance stage they are assessed as being at. Children can acquire the skill, apply the skill or deepen the skill within the lesson**
- Children move through the different stages of their learning at their own pace.
- Children who have shown their understanding at a deep level within the unit, will have opportunities to apply these skills in a greater depth activity.
- Reasoning and problem solving are integral to the activities children are given to develop their mathematical thinking
- Resources are readily available to assist demonstration of securing a conceptual understanding of the different skills appropriate for each year group.

- Children are encouraged to explore, apply and evaluate their mathematical approach during investigations to develop a deeper understanding when solving different problems / puzzles.
- A love of maths is encouraged throughout the school via links with other subjects, applying an ever growing range of skills with growing independence
- Children with additional needs are included in whole class lessons and teachers provide scaffolding and relevant support as necessary. For those children who are working outside of the year group curriculum, individual learning activities are provided to ensure their progress.

## Impact

- Children demonstrate a quick recall of facts and procedures
- Children show confidence
- Each child achieves expected standard for the year group
- The flexibility and fluidity to move between different contexts and representations of maths
- Mathematical concepts or skills are mastered when a child can show it multiple ways, using the mathematical language to explain their ideas, and can independently apply the concept to new problems in unfamiliar situations.
- Children show a high level of pride in the presentation and understanding of the work.