Maths Intent Statement (Oct 2023 Update)

Overall aim: To teach pupils to become fluent in the fundamentals of mathematics, applying their declarative knowledge to procedural methods and then conditional reasoning.

Aspire

- Aspiring to make measurable progress, ready for the next step in education
- Growth in understanding of number, beginning at 1 in reception all the way up to 10,000,000 in Y6
- Wisdom to use and select appropriate concrete resources and pictorial representations of abstract concepts

Believe

- Belief in self through resilience/Growth Mindset
- Strength mentally to persevere with mathematical challenges
- Strength of fluency increased yearly
- Trust that repetitive, sequenced learning will build sticky knowledge and lead to progress

Connect

- Connecting number facts to methods and to reasoning
- Connecting area of maths together and to other areas of the curriculum
- Peaceful maths learning environments, including outdoor
- Friendships developing through shared reasoning and peer assessments

Context

Opportunities in school: fluency of fundamentals through repetition, procedural methods rehearsal through guided maths and mixed arithmetic, verbal use of the language of reasoning moving onto use of purple pen, cross curricular links through science/DT/geography/computing/history/PE, outdoor maths learning opportunities, focus on mathematical resilience throughout

Opportunities in the local area: links with Bede Burn Primary School, Metro timetables, The Word

Opportunities in Modern Day Britain: Maths Week England, International Day of Maths, highly-aspirational and practical curriculum ready for the wider world, International Advanced Manufacturing Park (IAMP) - creation of 7000 local jobs

End Points

EYFS	KS1	KS2
To know numbers to 10 and some related facts, such as number bonds to 5.	To know numbers facts reliably, such as number bonds to 20.	To know a wide range of number facts across all four operations, including multiplication and division facts, reliably.
To know how to count and compare objects to 10.	To know how to add and subtract numbers using procedural methods.	To know how to add, subtract, multiply and divide numbers and fractions using procedural methods.
To know when number facts can be used to explore and represent patterns.	To know when number facts can be used to solve problems, beginning to reason mathematically.	To know when and why number facts and procedures can be used to solve multi-step problems, applying my reasoning skills effectively.