

Curriculum Statement for maths 2020-21

Intent

The maths curriculum at Thoresby Primary school will:

- Enable children become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately
- Encourage children to reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- Enable children to solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions

Maths National Curriculum

Implementation

We have identified the key knowledge, skills and vocabulary of each topic and mapped the progression in units across all year groups. At the beginning of each area of learning, children are able to convey what they know already and teachers craft lessons which provides the means to achieve greater depth. Children are offered rich and sophisticated problems, as well as exploratory, investigative tasks and are supported to articulate their thoughts and mathematical processes. High quality educational experiences are critical to our maths curriculum and will include: visits to local educational settings such as The University of Hull, dedicated STEM days (science, technology, engineering and mathematics) and visitors to the school.

Impact

As children progress throughout the school, they develop a deep knowledge, understanding and appreciation of mathematics. We have a community of confident mathematicians, who experience challenge and success by developing a growth



mindset and a 'can-do' attitude. Our pupils are not afraid to take risks and feel confident applying their skills in the real world. Children are given the opportunity to present evidence of a broad and balanced maths curriculum in a variety of different ways: maths books, science and topic work, class discussions and the school environment

[Maths long term plan link](#)

[Progression document link](#)