Maths

**Tittensor CE (VC) First School**

The Intent, Implementation and Impact of our Curriculum

**Impact**

* Develop mental strategies
Use mathematical vocabulary to reason and explain
* Work independently and collaboratively
* Are encouraged to use mathematical language in order to discuss, order, explain and express ideas
* Are provided with opportunities to practise and apply skills across the curriculum
* Will know how they learn
* Are happy to experiment with text and challenge themselves to improve
* Use a range of strategies to read and understand words
* Will have a belief that they can succeed
* Will know how they learn

**Intent**

Mathematics is a creative and highly

inter-connected subject that has been developed over centuries, providing the solution to some of history’s most intriguing problems. Everyone has a ‘mindset’ – an idea about ability and potential. Different mindsets have associated behaviours that have a huge impact on learning and achievement.
At Tittensor, we encourage our children to have a ‘growth mindset’. Those with a growth mindset believe that achievement increases with hard work and that everything they learn makes them more knowledgeable. They will also persist longer on problems, relish challenge and learn from mistakes whereas those with a fixed mindset give up easily, avoid challenging problems and dislike making mistakes. We believe the teaching of Mathematics provide children with the opportunity to think logically and accurately problem-solve, using retrieval practice to make learning ‘stick.’

**Implementation**

* We want to children to become fluent in the fundamentals of mathematics so that they have a conceptual understanding and are able to recall and apply their knowledge rapidly and accurately to problems.
* Maths is taught throughout an inclusive curriculum, which fosters questioning, thinking and problem solving in order to build confidence to enable pupils to apply knowledge and skills with assurance.
* We have invested in the White Rose and TimesTableRockStar programmes in order to develop a love of Maths and embed the rapid re-call of times table facts throughout our school.
* We aim to ensure that all children can access, apply and reason within their own mathematical ability, providing all children with an equal opportunity to develop their mathematical understanding.