**Maths Intent Statement**

At The Academy at St James, we recognise that Maths is a creative, highly inter-connected discipline that is essential to everyday life as well as to the development of Science, technology and engineering; it is also necessary for understanding and dealing with finances as well as being essential for most forms of employment. Skilled Mathematicians have a good foundation for understanding the world, the ability to reason and a sense of enjoyment and curiosity about the subject and anyone can be a skilled Mathematician.

At The Academy at St. James, our Maths teachings offers all learners a fun problem solving and reasoning approach to teaching Maths, so that the children become skilled, resilient, confident and curious mathematicians who care and are happy to discover things for themselves using manipulatives and models and images. We provide a culture where it is ok to make mistakes, reason and then improve ideas without judgement, and to challenge others’ thinking through oracy discussions. The art of noticing and fluency forms part of the Maths teaching and provides all learners with opportunities to notice what’s the same and what’s different as they explore open ended, challenging problem solving tasks.

Making a difference is an important element to our Maths learning. Our curriculum provides the children with opportunities for cross-curricular maths work so that they can apply what they have learnt to real life situations, and diverse and relevant topics to which they can relate. Through forest schools, and active learning we enhance our Maths Curriculum and provide all learners with opportunities to see how Maths can be used practically; visits from Tagtiv8 also enable learners to actively learn key recall facts whilst playing fun games and developing their fluency and reasoning. Tagtiv8 PAL helps us to change attitudes and build confidence. At The Academy at St James, we want to provide all of our children with the best opportunities to learn and to aspire to achieve well; we want them to care and to aspire to have great careers and to believe in themselves.

At The Academy at St. James, we aim to develop:

* a positive attitude to Mathematics as an interesting and valuable subject
* mathematicians who can calculate confidently using a variety of efficient mental and written strategies
* quick recall of key facts (number bonds and times tables)
* an understanding of all areas of Mathematics through a process of enquiry, reasoning and problem solving.
* confidence to express ideas fluently and to talk about Mathematics using mathematical language
* opportunities to explore and apply mathematics in depth in everyday life situations.