



# Mathematics Newsletter 2025

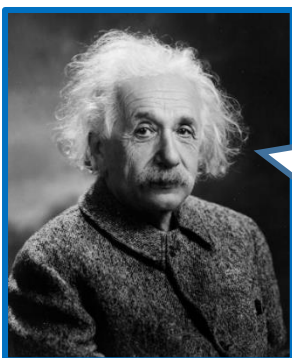
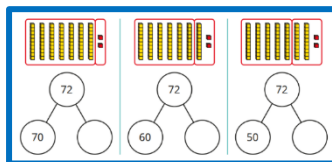
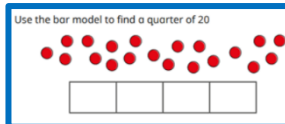
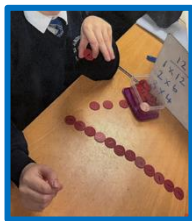
## Maths at St. Andrew's

We want all of our pupils at St. Andrew's to:

- \* Enjoy learning maths and experience maths confidently in everyday life.
- \* Develop and apply a strong sense of number.
- \* Have a secure understanding of place value to sit as a stable foundation for other mathematical concepts.
- \* Rapidly recall facts, such as number bonds and times tables to avoid barriers to working competently on other concepts or problems.
- \* Develop good reasoning skills in maths to explore a deeper understanding.
- \* Develop cognitive flexibility through problem solving and reasoning.
- \* Be complex problem solvers in a range of contexts in and outside of the classroom.
- \* Spot patterns and make links in their mathematical learning.
- \* Be confident and creative when thinking mathematically.

## Our approach to teaching mathematics

We deliver a high quality curriculum by following the National Curriculum and following a *Teaching for Mastery* approach. This approach helps children 'master' their understanding in mathematics. One of the ideas in this approach is 'Representation and Structure', which means children's understanding is supported with visuals and concrete resources in order to help them make links. Some examples such as whole part models, arrays, bar models and fraction circles, are shown below.



Pure mathematics is, in its way, the poetry of logical ideas.

Albert Einstein.

## Famous Mathematician

Carl Friedrich Gauss (1777-1855) was a German mathematician with expertise in Number Theory, Statistics, Algebra and Physics. He is considered one of the greatest mathematicians of all time and has been referred to as "The Prince of Mathematics!" He came from a poor family and was the only child. In primary school, he impressed his teachers with his ability to do elaborate calculations in his head. They were amazed when he discovered a quick method to find the sum of the integers from 1 to 100 to be 5,050. He recorded his discovery in the algebraic form  $n(n+1)/2$ .

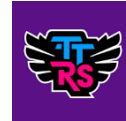


## Useful apps



### White Rose 1 minute maths

This is a fun and easy to use app, primarily aimed for EYFS and KS1 children. It supports subitising, and number facts for addition, subtraction, multiplication and division.



### Times Tables Rock Stars

This app gives children the chance to learn and practise their times tables and related division facts whilst embracing their inner rock star! A great app that is used widely across our school.

Mistakes  
Allow  
Thinking to  
Happen



## Have fun with problem solving!

These two leaves in Kate's garden always attract ladybirds. The left leaf always has ladybirds with four spots on and the right leaf always has ladybirds with six spots on. How many spots would there be in total if one more ladybird lands on each leaf?

