North East Maths Hub

In September 2019, our School joined the North East Archimedes Maths Hub. Archimedes NE Maths Hub is part of a network of 37 Maths Hubs across England; working together within the Maths Hubs Programme, which began in 2014. The Maths Hubs and the NCETM have been working together to develop approaches to teaching for mastery within primary mathematics.

The aims of our school joining the Maths Hub are:

- High quality teacher professional development and support for lead teachers, facilitated by the Mastery Specialist
- Opportunity to work closely with other schools also developing teaching for mastery.

As we begin our work with the Maths Hub, we aim to continue to focus our intentions on ensuring the children have the best opportunities to develop their skills and gain a secure understanding in all areas of Mathematics.

MathsHUBS Archimedes NE

Mathematics Workshops for Parents

Please join us at one of the dates below to find out about the teaching of Mathematics at our school.

EYFS/KS1- 09.01.2020

9-10am Maths Workshop.

3:15-4:00pm Maths Workshop

KS2- 16.01.2020

9-10am Maths Workshop.

3:15-4:00pm Maths Workshop

Times Tables Rockstars

To ensure all of our children have a rapid recall of the times tables facts, we use Times Tables Rockstars. This is timetabled in school on a daily basis and children have access to this at home. Please encourage your children to practise at home. Any problems please speak to the class teacher.

Further information regarding the mathematics curriculum will be displayed on our school website in the next few weeks.

I look forward to you joining us at our mathematics workshops for parents.

Miss Brown

Mathematics Subject Lead

St. Patrick's RC Primary School

May Christ Be Seen In Us

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Mathematics Curriculum

May Christ Be Seen In Us

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Our Mathematics Curriculum

At St. Patrick's RC Primary School our aim is to develop and foster a whole new culture centred around a deep understanding, confidence and competence in mathematics – a culture that produces strong, secure learners and real progress across each year group.

As a school we follow **White Rose Maths** for children. The White Rose schemes of learning are designed to support a mastery approach to teaching and learning, as well as supporting the aims and objectives of the National Curriculum.

Number is at the heart of each White Rose maths scheme and so a lot of time is spent reinforcing number to build competency. It also provides opportunities to build reasoning and problem solving into each lesson.

To support all our children at school in developing a good and secure understanding of mathematics. We will use White Rose to develop our teaching and learning of mathematics to allow key skills to be discovered, refined and embedded.

We our belief that all children, who are introduced to a concept, should have the opportunity to build on their abilities by following the concrete-pictorial-abstract approach.

In using this approach, the children have the opportunity to develop a deep understanding of a mathematical concept or skill, leading to the learner demonstrating they have mastered the concept or skill.

A mathematical concept or skill has been mastered when a child can 'prove' or 'show it' in different ways. Using mathematical language to explain their ideas and independently apply the concept to new problems in unfamiliar situations.

Mastery is a journey and long-term goal, achieved through exploration, clarification, practice and application. At each stage of learning children should be able to demonstrate a deep, conceptual understanding of the topic and be able to build on this over time.

"Maths Everyone Can"

Concrete – children should have the opportunity to use concrete objects to help them understand what they are doing.

Pictorial – alongside this, children should use pictorial representations. These representations can then be used to help reason and solve problems.

Abstract – both concrete and pictorial representations should support children's understanding of abstract methods.