

Darwen St James' CE Primary Academy

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C of E Primary Academy



Mathematics – Curriculum Statement

September 2017

Mathematics Curriculum Statement

The teaching and learning of Mathematics at Darwen St James' Primary Academy is based on Rising Stars Mathematics which is a programme developed specifically for the 2014 National Curriculum Programmes of Study. It has been designed to develop fluency, build conceptual understanding and embed reasoning through an enquiry-based approach. At the end of each unit children are assessed to see if they can obtain a level of mastery for that topic.

During the EYFS Curriculum, mathematics forms part of many interactive learning experiences. Children develop their knowledge and understanding of mathematics through play, exploration and discussion, key principles outlined in our programme of study Development Matters.

During Key Stage 1, children are taught in a variety of either mixed or ability class groups as appropriate for their main mathematics lessons. They are taught mental calculation strategies as part of their daily mathematics lessons. Children develop their use of spoken mathematical language, using it to talk about their methods and explain their reasoning when solving problems. Progress is monitored each half term through teacher assessment and progress tests and then discussed at Pupil Progress meetings.

During Key Stage 2, children are taught in mixed ability class groups for their daily mathematics lessons. They are taught mental calculations as part of this lesson and move from counting reliably to calculating fluently with all four number operations. Children are also taught to use a wider range of mathematical language, diagrams and statistical charts. They learn how to tackle problems with strategies learnt, supported with help and encouragement. They extend and secure their use of spoken mathematical language, using it to talk about their methods and explain their reasoning when solving problems. Progress is monitored each half term through teacher assessment and progress tests and then discussed at Pupil Progress meetings.