

## The Federation of Abbey Infant and Abbey Junior Schools Maths Policy

### **The Nature and Purpose of Mathematics.**

Mathematics consists of relationships, structures and patterns.

Mathematics is a powerful tool of use in many real life applications, being indispensable in some of the most important aspects of modern life.

Mathematics is also an essential aspect of the study of many other subjects, e.g. all aspects of science and technology as well as economics, engineering etc.

### **Aims**

- To develop and use computational skills with confidence, speed and accuracy, as necessary for modern life.
- To understand the application of mathematical ideas in different everyday situations.
- To develop the ability and confidence to tackle mathematical problems in a variety of situations.
- To apply these skills with confidence and understanding when problem solving within numeracy and in other areas of the curriculum.

### **Objectives**

- To develop an understanding of different mathematical concepts.
- To develop competent in basic skills.
- To develop children's knowledge and use of the language of mathematics.
- To develop an ability to think clearly and logically showing imagination, initiative and flexibility of mind.
- To develop confidence with regard to number, particularly mental calculations.
- To develop as accurate problem solvers and understand the relationships in mathematics through enquiry and experiment, in particular developing an appreciation of the pattern of mathematics.
- To develop an ability to work systematically, independently and cooperatively in appropriate situations.

### **Monitoring and Evaluation of the Teaching and Learning of Mathematics.**

The effectiveness of the policy will be monitored during the year through:

- Long term, medium term and short term monitoring of planning by Core team, Foundation stage and KS1 leaders
- Book scrutinies
- Lesson observations
- Analysis of teacher and test assessment data
- Pupil consultation
- Visits from OFSTED and LA
- Performance management
- Annual parent consultation

### **The following criteria is used as a measure of success:**

- Planning demonstrates a whole school approach to differentiated active learning
- Book evidence progress through high quality learning and agreed written methods followed
- All children make the equivalent of 4 APS per year
- Children will speak confidently about their own learning and quality of opportunities they have accessed
- External judgments are viewed as outstanding
- All staff are accountable for children's progress
- Parents strongly agree that provision and progress is of the highest standard