



PARK GROVE SCHOOL



Mathematics Policy

AIMS

- to develop children's confidence and interest in mathematics.
- to develop children's fluency with numbers.
- to enable children to develop flexible and effective methods to solve problems.
- to demonstrate that mathematics is a means of communication and a powerful tool in solving problems in a wide range of contexts.
- to help children appreciate and enjoy the fascination of mathematics and the relationships within mathematics.

OBJECTIVES

Pupils should:

a) experience a variety of teaching styles to include:

- whole class teaching
- group work
- individual work
- paired work
- ICT

i.e. they will be encouraged to work systematically, independently and co-operatively

b) learn through-

- problem solving
- practical activities
- exposition by the teacher
- consolidation and practice
- discussion
- mental agility activities and games
- daily counting
- self assessment
-

c) be provided with challenging work appropriate to their abilities

d) have access to a wide range of resources to include:

- Practical resources to support mathematical activities (see school resource list)
- published materials
- calculators and computers

GENERAL CONTEXT

Planning

All planning is based on the framework provided in the National Curriculum 2014 and the Early Years Outcomes document. The core objectives are broken down into long term plans for each year group (covering a year, split into 3 terms). These long term plans are then broken down by the class teachers into medium term plans, which will reflect the needs of a particular class. Weekly planning will take the form of 3 days number work, 1 days shape, space, measures and data handling, and a day of problem solving/investigations. Using and applying will be taught throughout lessons. These

are average breakdowns so may not be split exactly like this each week e.g. a class may do 4 days number one week and 2 days of number and Shape, space and measures the next.

Assessment & Recording

Teacher assessment is an integral part of teaching mathematics and is used to inform planning. Brief notes should be kept on a weekly basis. Maths trackers should be used to assess children regularly against National Curriculum objectives. These assessments should take place at least two weeks after teaching to ensure knowledge and skills have been retained. This information, along with teachers' professional judgement will be used to assess children according to the school's assessment policy. This data is to be recorded on Otrack.

Reporting

Parents are informed of children's progress in mathematics through

- informal discussions
- maths workbooks
- parents' evenings
- annual reports

Marking/Presentation

Whenever possible work should be marked with children to facilitate useful discussion. The school's marking policy gives guidance on how to give written feedback support children's progress. From Year 1 number work will be in squared books.

Cross Curricular Links

Mathematics will be taught through topic work and other curriculum areas where appropriate. There will be an annual maths enrichment day.

Use of Calculators

The use of calculators has now been removed until Key Stage 3.

MONITORING & EVALUATION

Implementation of this policy will be monitored by the Mathematics Subject Leader.

LINKED POLICIES

Marking Policy

Assessment policy

Assessment schedule

REVISED BY: V. Hearson

DATE June 2016

NEXT REVIEW: July 2018