



Keskowethyans
Multi Academy Trust

Date reviewed by Curriculum Committee	27.09.16
Date adopted by The Board	18.10.16
Next review date	Autumn 2017
Signed by Chair of Directors	

MATHEMATICS POLICY

Date policy sent to	Date
Administrators	15.11.16
Lead Teachers	15.11.16
GS for Website	15.11.16
Relevant other ie Safeguarding Director/Subject Co-ordinator	

AIMS

Encourage an understanding and enjoyment of all aspects of Mathematics through the use of:

- a variety of teaching styles and educational stimuli including Information Technology
- an emphasis on the relevance of Mathematics to everyday situations
- the creation of a relaxed atmosphere fostered by the teachers' own enthusiasm for a positive attitude towards Mathematics

Develop children's confidence in their own ability and foster a sense of success through:

- the accurate matching of task to ability right across the age range
- a positive marking policy which encourages individuals and allows them to share good experiences with their peers

Success Criteria:

- the learning objective is displayed on the board and shared with the children
- children will be involved in self-assessment to gauge their levels of achievement

Develop powers of logical reasoning, enquiry and divergent thinking through:

- sensitive and open-ended questioning
- the encouragement of discussion
- the use of investigative work

Develop an attitude which leads to self-motivated and independent learning:

- the building of confidence and a sense of success
- staff expectations and appropriate classroom management
- appropriate intervention and support

Provide a tool for solving practical problems in everyday life through:

- the development of problem solving skills and fluency with number
- giving those skills relevance in practical situations

Develop an aesthetic appreciation of mathematical pattern

OBJECTIVES

Children should:

- be introduced to and assimilate mathematical language
- be able to recognise and understand mathematical notation
- be able to communicate mathematical information by using the knowledge they have of mathematical conventions
- have knowledge of number facts and retain and consolidate that knowledge
- be able to select the appropriate basic operations and perform them accurately
- be able to use a calculator and be able to check the appropriateness of the answer
- develop practical skills and be able to apply them appropriately
- be able to use IT in an appropriate mathematical context
- be encouraged to see the links that exist between concepts, e.g. multiplication and division, addition and subtraction
- develop a critical approach to information presented in a statistical or mathematical form
- learn to make sensible estimates
- be encouraged to adopt trial and error methods when appropriate; e.g. making, testing and modifying hypotheses
- be taught to recognise, remember and use patterns in Mathematics in order to assist them in performing tasks
- be encouraged to develop sound reasoning skills
- be encouraged to foster good work habits
- develop a positive attitude to Mathematics
- be encouraged to develop a mental model of the number system and use it during mathematical activities
- be encouraged to use a systematic approach to problem solving

Pupils should experience a wide and varied range of mathematical experiences and activities which reflect the broad nature of Mathematics. These experiences and activities which are offered on the basis of equal access regardless of gender or culture, will include:

- demonstration, explanation and instruction by the teacher to groups, individuals and the whole class
- whole class and group discussions
- practical activities to provide meaningful context
- practical activities to consolidate skills
- the use of mental mathematics involving quick recall of simple mathematical facts, problem solving and investigational activities