

# Hill House International Junior School



## Numeracy Policy

## Overview

At Hill House we are committed to developing the numeracy skills of pupils in the belief that it will support their learning, enable them to access and enjoy the curriculum, raise the standard of their performance, and prepare them for the need to work with numerical concepts as they progress through their education into adulthood.

We recognise that numeracy is a cross-curricular area of learning and that all subjects deal with number and numerical concepts in some form. Proficiency in the teaching and learning of numeracy is one of the central ways in which wider academic success for pupils is achieved and in which pupils feel competent and confident in their school lives.

We recognise that every child can become a numerate adult and the approaches we adopt are designed to ensure this is the case for pupils at Hill House.

## Aims

- To adopt a whole school approach to numeracy across the curriculum and at all stages of a child's development
- To raise staff and pupil awareness of key numeracy strategies and approaches through the effective use of staff INSET training
- To work with parents to ensure that numeracy is part of a child's non-school life so that the learning experience in the classroom is supported and enhanced
- To create a learning environment where a wide range of resources is used to inspire and support the core teaching of numeracy
- To ensure differentiation is at the heart of the teaching of numeracy so that relevant provision is offered for those at all levels of academic ability, especially in the earlier years where core concepts are learned
- To recognise numeracy in departmental learning plans and schemes of work
- To encourage and promote the use of problem solving in lessons
- To raise the profile of mathematical concepts throughout the school and promote the use of numbers and measures wherever possible
- To ensure the Numeracy Co-ordinator works with SLT to maintain a joined-up approach to the delivery and resourcing of numeracy work
- To ensure that learners identified as More Able/G&T are provided with 'stretch and challenge' opportunities to extend and develop their understanding
- To realise the importance of numeracy skills in pupils' lives in the context of the specific routes pupils at Hill House take towards Common Entrance examinations
- To use standardised testing to support the learning of pupils and to ensure targeted intervention strategies in the relevant areas of mathematics
- To track pupil attainment in Number; Statistics; Geometry and Measurement

### **Strategies for ensuring progress against these aims**

- All staff should encourage and promote the use of problem solving
- Children should be encouraged in lessons to take risks in their answers
- Resources should be targeted that are both age-specific and ability-specific
- The timetable should be adapted as suits within year-groups to ensure effective differentiation
- The Numeracy Co-ordinator will attend relevant regular staff meetings to ensure the embedding of numeracy strategies across key staff
- Learners will be assessed throughout the different key stages to identify low levels of numeracy in our pupils. These pupils will then take part in supported intervention to raise standards

### **All Staff will**

- Adopt a clear approach to teaching numeracy skills
- Be familiar with and use strategies to equip students with numeracy skills for life
- Know in schemes of work where numeracy skills are taught

### **Teachers of Mathematics will**

- Encourage the use of mental work in the classroom
- Frequently ask learners to explain their answers
- Provide opportunities for learners to discuss their ideas and enable them to share and compare ideas
- Question learners on strategies undertaken and promote the use of problem solving
- Discuss the efficiency of calculations, encouraging learners to develop and explain their own methods
- Use diagrams and equipment to aid understanding when possible.
- Use Mathematical words often to familiarise learners with their meanings and to develop their understanding
- Support and encourage the use of the Numeracy policy throughout all key stages

Authorised by Resolution of the Proprietors

**Signed on behalf of the Proprietors** Edmund Townend

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**Date** 20 September 2018

**Effective date of the policy** 20 September 2018

**Review date of the policy** 20 September 2019