



## THE HESSE FEDERATION OF SCHOOLS



### PENSURST PRIMARY SCHOOL

#### NUMERACY POLICY

**Effective Date:** May 2010

**Date of minuted approval by the governing body:** 13 May 2010

**Review Committee:** Curriculum and Standards

**Review Date:** May 2012

Numeracy at Penshurst Primary School is fun, active and real. We endeavor to ensure children have the ability to recall number facts quickly and accurately. Our progressive calculation policy gives our children confidence when calculating and ensures that attainment is not only accelerated but consolidated. We ensure real life measurements are evident in all learning with regular thematic sessions which allow children to develop skills needed for life long-learning. We accept that our children need superior IT skills, in order to enable them to compete in the future Job market. All numeracy sessions are enhanced by the use of IT, using this medium to show understanding and reasoning.

#### **The Head of School will:**

- set high expectations and monitor teaching and progress;
- encourage a whole school approach, keeping parents, governors and all support staff well informed;
- support the subject leader and individual teachers
- regularly review the Numeracy action plan.

#### **Governors will:**

- be well informed through the leadership of the Head of School and Subject leader and support the staff in implementing the school's policy for Numeracy; monitor and review progress in Numeracy.

#### **The Subject Leader will:**

- lead by example showing a thorough understanding of the subject;
- offer support to teachers in planning, teaching and assessment;
- Work alongside the Head of School to monitor and evaluate teaching and progress;
- identify INSET needs, plan and deliver INSET.

#### **Teachers will:**

- implement the daily numeracy lesson sharing, clear learning objectives with the children;
- use a range of teaching styles to incorporate
  - direct teaching
  - a high proportion of whole class oral/mental sessions
  - group/paired work
  - individual work;

- use national objectives to aid planning using:
  - the yearly objectives and planning grids for medium term plans;
  - the key objectives for assessment
  - the supplement of examples for short term planning and assessment
  - give homework activities in line with the school policy eg learning tables and supporting and extending classroom work.

**In the daily numeracy lesson teachers will:**

- share clear learning objectives with the children;
- provide daily practice of mental skills including counting, rapid recall, newly learned facts and calculation strategies;
- maintain good pace and use effective questioning; use accurate mathematical vocabulary;
- engage pupils in challenging differentiated activities using a range of resources, including ICT as outlined in the Strategy;
- make Numeracy real, linking mathematical learning to the children's theme learning
- Follow the 7 point plan on every possible occasion

**Children will be encouraged to**

- enjoy mathematics and see its relevance in real life;
- understand exactly what is expected of them on a day-to-day basis;
- develop mental calculation strategies so that their first reaction to a question is 'Can I do that in my head?'
- use mathematical vocabulary with confidence;
- use their knowledge to solve problems, see patterns, make predictions, present information clearly, interpret data;
- give oral explanations of their methods.

**Support staff will:**

- be included in staff training for mathematics where appropriate;
- have a clear understanding of their role in each part of the lesson;
- share the learning objectives for each lesson and know the key vocabulary to be developed.

**Parents will:**

- be encouraged to develop positive attitudes to mathematics and actively support their children when homework is given;
- be invited into school to take part in sessions to aid their personal understanding and break down barriers to learning
- be well informed of their children's progress through annual reports, and parents' evenings and encouraged to support Numeracy initiatives in school.

**7 Point Plan**

- Daily Problem Solving Activity during the Plenary.
- Daily use of AFL – Thumbs, Traffic lights, reflection time and 'Show me'.
- More Able – Using and Applying Activities to be used when appropriate.
- RIDER to be used throughout school when solving word problems.
- WAGOLLS to be recorded in books.
- School calculation policy to be followed.
- Progress Sheets and Targets displayed in all books.