

Mathematics Subject Policy

Purpose and aims

Page 99 of the National Curriculum 2014 sets out the 'Purpose of study' and the following aims relating to Mathematics.

The national curriculum for mathematics aims to ensure that all pupils:

- become **fluent** in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils have conceptual understanding and are able to recall and apply their knowledge rapidly and accurately to problems
 - **reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
 - can **solve problems** by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.
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- Throughout the teaching of mathematics we also endeavour to meet the aims of the school (as set out in the school brochure)

Subject content, organisation and planning

- The National Curriculum 2014 sets out the core content to be delivered through the teaching of mathematics. However, as explained in section 2 of the National Curriculum, this forms just one part of the wider School curriculum. Individual schools are, "free to include other subjects or topics of their choice in planning and designing their programme of education."
- Pendragon Primary School's Long term curriculum plan for mathematics gives an overview of subject coverage from Years 1 to Year 6. Teachers use this as a base for medium and short term planning.
- See Early years policy, Problem Solving Reasoning & Numeracy – PSRN that is being taught for the skills taught in Foundation Stage.
- We endeavour to ensure learning in mathematics is an engaging, creative and meaningful experience for all children. Links are made between subjects and enrichment activities, such as trips, visitors, special days and theme weeks are incorporated into planning. The Haven and outdoor learning areas are used to provide different contexts and resources for learning.
- Mathematics lessons are *usually* taught daily. The majority of children are taught by their class teacher for maths.

Equal opportunities and Inclusion

- See Pendragon Primary's Equality statement in our school brochure
- For pupils who do not achieve the age expected relevant programme of study, teachers will adapt the curriculum in order to narrow the gaps and/or use an intervention programme such as '1st Class @ Number' or *Success@arithmetic*.
- Every child has a login and access to www.mathletics.co.uk at school and where children have no internet access at home we aim to provide extra provision in school such as lunchtime access to the Computing room.

Assessment, Record keeping and reporting

- See Pendragon Primary's assessment policy

Monitoring and evaluation

- The Mathematics Subject leader under supervision of the Governors, Headteacher and senior leadership team are responsible for ongoing monitoring and evaluation in order to ensure high standards and improved outcomes across the subject.
- A subject action plan is shared and reviewed annually.