

CNPM and Assessing Pupils' Progress (APP)

Assessing Pupils' Progress (APP) is a structured approach to periodically assessing mathematics so teachers can:

- track pupils' progress
- use diagnostic information about pupils' strengths and weaknesses.

Using APP materials, teachers can make National Curriculum (NC) level judgements for each of the following Mathematics Attainment Targets (ATs):

- using and applying mathematics
- number and algebra
- shape, space and measures
- handling data.

APP identifies particular Assessment Focuses (AFs) which are based on the National Curriculum programmes of study and level descriptions.

Using AFs helps teachers to:

- see how pupils' work on a small number of teaching objectives can contribute to the bigger picture of their progress and attainment
- give more precise feedback to pupils
- refine learning targets for individual children and groups within the class
- identify gaps in teaching and learning and adjust planning accordingly
- plan next steps based on the diagnostic information that emerges.

Overall, the information gained from the APP approach:

- provides diagnostic information on pupils' strengths and weaknesses
- enables forward planning based on group and individual pupil needs
- makes the most of pupils' learning experiences across the whole curriculum.

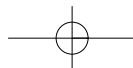
The evidence you collect to assess children against the AFs can be drawn from every element of daily teaching and learning using Collins New Primary Maths:

Teacher's Guide

- Analyse pupils' understanding of the lesson objective(s) using the 'Assessment for Learning' (AfL) questions.
- Note pupils' self assessment using the 'Children's targets' in the unit overviews.
- Analyse children's responses to the oral and mental tasks.
- Note the questions children ask and answer during whole-class discussion.

Pupil Books (KS2) / Differentiation Pack / Homework Pack / Software

- Note the strategies, skills and processes used for problem solving.
- Listen to pupils explaining to each other how they tackled a problem and the peer-to-peer assessment that takes place during pair and group activities.
- Analyse written exercises, carried out at school and at home.



Assessment Pack

- Adult Directed Tasks can be used at any time throughout the year to assess children's understanding of a particular objective, and to inform future planning.
- Pupil Self Assessment sheets can be used at the end of each unit to provide children with the opportunity to give feedback on their learning.
- Tests can be used at the end of each term to inform teacher assessment when assigning National Curriculum Levels in mathematics.
- The Record-keeping formats can be used to track pupils' progress. If appropriate, teachers may substitute a CNPM record-keeping format for a matching APP 'Assessment Guideline'.

For a more detailed explanation of how to use all of these components, refer to the Introduction in the *CNPM Assessment Pack*.

The following chart shows the links between the 2006 Primary *Framework* strands, the NC Attainment Targets, the APP AFs for mathematics and the units within *CNPM 5*.

