

CULTERCULLEN SCHOOL

AIMS OF NUMERACY & MATHEMATICS

We see maths & numeracy as having three over-lapping components

CORE
KNOWLEDGE

concepts
facts
techniques

INVESTIGATIVE
PROBLEM
TACKLING

skills
strategies

real life and simulated contexts
MATHS & NUMERACY IN
A WIDE VARIETY OF
CONTEXTS

It is our aim to give considered attention to each component and to the way these components combine and merge.

We aim to provide a balance in our teaching content and methods which takes account of the importance of the investigative process and the relationship between maths/numeracy and other subjects and gives these components appropriate weighting.

We aim to promote confidence and enjoyment as children learn through numeracy skills and mathematics.

The outcomes in Curriculum for Excellence will be incorporated into planning for learning and teaching as part of the improvement planning process and as opportunities arise. Staff will be encouraged to take leadership roles in developing new resources and methodologies both in Numeracy skills and in Mathematics teaching and learning across the curriculum and all staff will play their part in developing the use of Mathematics in teaching and learning to develop the four capacities in all our pupils.

Through a quality programme in Numeracy and Mathematics, children will work towards developing the four capacities of A Curriculum for Excellence – successful learners, confident individuals, responsible citizens and effective contributors.

ASSESSMENT OF MATHS

Progress in Maths will be monitored and assessed by means of continuous assessment. Observation, marking of written work, questioning, and other methods of assessment will be used. Also specific check tests or practical activities may be set from time to time to review progress or diagnose patterns of difficulties.

In Middle and Upper Stages, T-J Topic in a Nutshell and Assessment activity sheets relevant to each section of work should be used and the results of each Check-up recorded in the appropriate part in the forward planning/record keeping ring binder.

Assessment of Problem Solving tasks should also be recorded on the sheet provided in the ring binder or an appropriate pro-forma.

National tests should be used in accordance with school policy

Tracking and National Testing

Maths progress should be tracked throughout the session, as in the procedures outlined in the policy on Pupil Tracking.

By the end of May each year the Mathematics Units Record showing results and details of national testing should be collated for the class and recorded on the Seemis data collection sheet.

RECORD OF WORK

For each group a record should be kept and regularly updated, showing (on the proforma provided in the ring binder) what has been covered and including details of workbook, textbook, check-ups, problem-solving activities, resource cards, homework worksheets, maths games, Education City etc

PASSING ON RECORDS OF WORK

At the end of a session please make sure that all the following records are suitably filled in and up to date for each group you are passing on. Where appropriate please indicate clearly which children are in which group and which maths checklists and records apply to that group. The records should be ready for the planned activity in May/June designated for handing on records and information including:

Maths resources checklists, Maths Record of Work, National Testing Mathematics Units Records, Pupil Tracker information.

CULTERCULLEN SCHOOL MAIN MATHEMATICS/NUMERACY RESOURCES

CORE TEXTS+ ACTIVITIES

SUPPLEMENTARY MATERIALS

Early Stages

- Infant Maths Worksheets
 - 100 Maths Lessons Yr 1
 - Race Track Pre A and A
 - Mental Maths A
 - Bee Bots
 - Roamer
 - Smart Learning: Information Handling, Shape Position, Movement etc
 - Maths games
 - Education City
 - Grid Club
 - Easiteach Maths & Problem Solving Resources Level A- Whiteboard
- P3
- T J Maths Level B
 - 100 Maths Lessons Yr 1,2
 - Race Track A + B
 - Mental Maths A,B
 - Bee Bot , Roamer + Early Logo Activities
 - Smart Learning : Information Handling etc
 - Word problems –Big Book
 - Talk it, Solve it
 - Maths games
 - Education City
 - Grid Club
 - Easiteach Maths & Problem Solving Resources Level A & B – Whiteboard

Middle Stages

- T J Maths Level B, C
- 100 Maths Lessons Yr 2,3,4
- Mental Maths - B + C
- Race Track B+C
- Heinemann Problem Solving Level B,C
- Bee Bot , Roamer and Logo
- Smart Learning : Information Handling, Database, Logo etc
- Word problems –Big Book
- Talk it, Solve it
- Maths games
- Education City
- Grid Club
- Easiteach Maths & Problem Solving Resources Level B & C – Whiteboard

