

Creating Working Mathematically Curriculum

OBJECTIVE
 Working Like A Mathematician
 in best practice classrooms
 Learning mathematics should build self-esteem.

HOW DO WE ACHIEVE IT?
 Modelling the work of a mathematician.
 Inviting learners to apply the model.
 Practising the skills of a mathematician.

WHAT CAN SUPPORT US?
 Choosing teaching craft to fascinate, captivate & absorb learners.
 Threaded Activities
 Investigations

THREADED ACTIVITIES
 Support learners to build the number skills toolbox of a mathematician.
 Fresh challenges in familiar structures used for small amounts of time often.

INVESTIGATIONS
 First give me an interesting problem.
 Challenges that encourage & develop reasoning, justification, communication & content skills in the context of the work of a mathematician.

MATHEMATICS CENTRE SOURCE
 Calculating Changes
 Free Tour & Members sections
 Created by a network of primary teachers.
 Poly Plug & calculators are the main resources.

MATHEMATICS CENTRE SOURCE
 Mathematics Task Centre
 - invitations to work independently -
 - whole class modelling -
 Maths300 - whole class modelling

Working Mathematically with Infants
 20 weeks of planning support per year K - 2.
 Integrated, sequenced core in number.
 Threaded activities & investigations.
 Requires Calculating Changes membership.

Maths With Attitude
 MWA eManuals for teachers.
 25 weeks of planning support per year 3 -10.
 Integrated, sequenced core in all strands.
 Investigations from Task Centre & Maths300.

ADDITIONAL SUPPORT
 professional development, eNews, stories, student work, Picture Puzzles, Menu Maths & other teaching models, assessment guidance, papers, videos and more ... from Mathematics Centre

Select your own activities to build your curriculum...

...or use these pre-planned resources as your core.

