

Norfolk KS3 Mathematics Newsletter

Number 2 March 2002

Standard fund activities for 2002/3

All schools with Y7, 8, 9 pupils will receive funding for:

- Transition initiatives for mathematics
 - Y6/7 transition activity
 - Y6/7 summer school
 - Y7 catch-up
- Y8 support for mathematics
- Y9 booster for mathematics
- General development grant

N.B. schools without year 7 will not receive funding for transition activities.

Middle schools deemed primary will receive funding for:

- Transition initiative for mathematics
 - Y 6/7 transition activity
 - Y 6/7 summer school
 - Y7 catch-up
- General development grant

Special schools will receive funding for :

- Transition initiative for mathematics
 - Y7 catch-up
- Y8 support for mathematics
- General development grant

PRUs will receive a general development grant.

Training for 2002/3

All schools

SUMMER TERM 02

Supporting transition

$\frac{1}{2}$ day for head of mathematics and one teacher

- Forging curriculum links between Y6 and Y7 through using transition units
- Making the most of available support (transition initiative, summer schools, year 7 catch-up)
- Improving progression through effective use of assessment information

Interacting with mathematics Year 8

$\frac{1}{2}$ day for head of mathematics and one teacher

- Preparing for the second year of the strategy/maintaining the momentum
- Strengthening collaborative planning and teaching
- Providing challenge in Year 8
- Developing mathematical reasoning

AUTUMN TERM 02

Strengthening teaching and learning in Year 7 (part 1)

$\frac{1}{2}$ day for one teacher

- Making the most of catch-up programmes
- Working with pupils below level 3

(part 2)

$\frac{1}{2}$ day for 1 teacher

- Building on the approach to calculation
- Appropriate and effective use of calculators

SPRING TERM 03

Focus on Year 9

1 day for one teacher

- Teaching key aspects of the mathematics curriculum in Year 9
- Providing challenge in Year 9
- Using booster support effectively

Contacting the KS3 team

We are based at the Norwich Professional Development Centre. Telephone **01603 433276**

**MATHEMATICS TRAINING FOR SCHOOLS
RECEIVING EXTRA SUPPORT IN PHASE 2**

AUTUMN TERM 02

Leading developments in mathematics 1

1 day for head of mathematics

- Developing curriculum planning
- Considering approaches to teaching algebra and geometrical reasoning
- Supporting colleagues in school

Planning and teaching mathematics 1

2 days for two mathematics teachers

- Planning and teaching number and algebra
- Developing effective oral and mental work

SPRING TERM 03

Planning and teaching mathematics 2

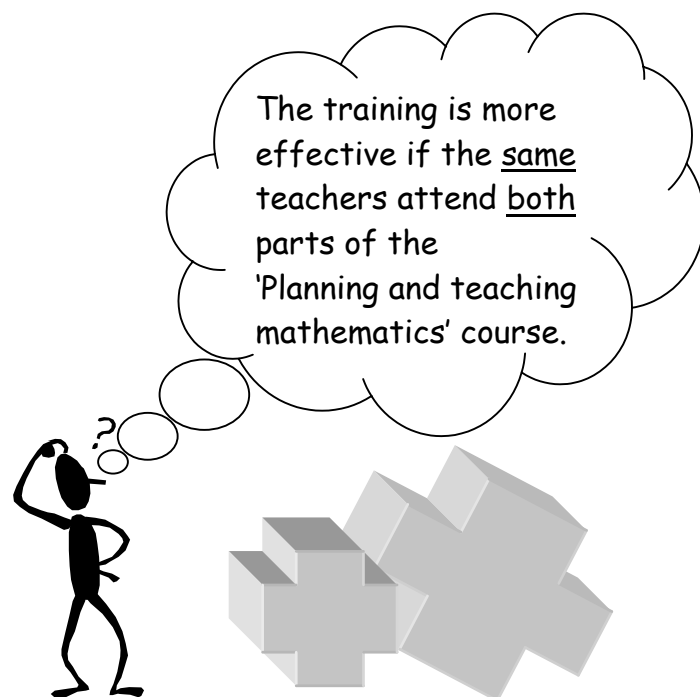
2 days for two mathematics teachers

- Planning and teaching geometrical reasoning and ratio and proportion
- Developing teaching of problem solving
- Continuing developments back in school

Leading developments in mathematics 2

1 day for head of mathematics

- Teaching proportional reasoning
- Developing teaching through shared planning
- Planning and teaching problem solving
- Reviewing developments



Leading mathematics teacher scheme is now available.

If you feel your department would benefit from visiting, observing and then discussing a three part KS3 lesson, please contact your Numeracy Adviser or Louise Flynn for further details.

*******NEW FOR 2002*******

BBC2 The Maths Channel
4-5 minute sequences linked to
Springboard 7
Input suitable for every lesson.
Targeted to appeal to 11 year olds.

2-4 am Tuesday 12th March

*******YEAR 9 BOOSTER KIT*******

Have you ordered yours yet?

Each school needs to order it from Prolog
tel: 0845 60 222 60
ref. no. : 0015/2002

Each school is entitled to 5 copies.

To access the 'Childspeak' National Numeracy Strategy Key Objectives Targets developed by the Thetford Education Action Zone take the following route:

www.esinet.norfolk.gov.uk

School Management resources **
Curriculum Resources

** this requires your DfES number and your password which was sent out to schools by email in September. If you have any difficulty with your password, contact either ICT Solutions or Iain Watson - email: iain.watson.edu@norfolk.gov.uk

Order form: Vocabulary checklist and/or Mathematics glossary for teachers (reproduced from appendices 2 and 3 of the *Numeracy Across the Curriculum Folder*.)

We are pleased to be able to offer copies of the above documents at reasonable prices as shown below. However, these prices are dependent upon a print run of 100 of each of the two documents. This means that we will have to hold orders until we reach the minimum number required. To ensure that this delay is kept to a minimum, would you please return this order form

by Friday 22nd March

School name:		
Item	Price each	Number required
Vocabulary checklist	£0.75	
Mathematics glossary for teachers	£1.50	
Vocabulary checklist <i>and</i> Mathematics glossary	£2.00	

Please return to:

*Louise Flynn
Norfolk Education Advisory Service
Woodside Road
Norwich
NR7 9QL*

Tel: 01603 433276

Fax: 01603 700236

KS3 strategy update 2002-3

Funding and priorities

The budget code for this funding is **E3KEYS**

Mathematics strand

Priority remains to implement the Framework for teaching and to focus on delivery using an effective range of strategies. Support from the LEA will focus on classroom practice, strengthening management and subject leadership and organisation of Springboard.

All schools will receive 4 days supply cover to support in-school training and access to LEA training on national priority areas (see attached sheet on core training).

£580

Additional support schools, identified by LEA, will receive 12 days supply cover to enable staff to access LEA training (see attached sheet)

£1740

Year 7 catch up

Organisation of catch-up groups has been a significant challenge to schools. There have been a number of issues with the progress and optional tests this year and QCA is working on this. QCA are developing a further tier at levels 3 and 4 for the year 7 optional test to identify more clearly progress at the end of year 7. Existing progress tests will be available in summer 2002. All tests for years 7 and 8 will be optional for all schools.

All schools with year 7 pupils will receive £3000 for the delivery of Literacy Progress units and Springboard 7.

£3000

Year 8 mentoring

The aim of the mentoring programme is to provide individual or small group mentoring support to pupils who are:

- underachieving across a range of subjects
- identified as being capable of doing better

The model is from initiatives developed through Excellence in Cities.

All schools will receive £4500 to support mentors for pupils who are underachieving.

£4500

Year 9 booster

This funding will support the targeted teaching of underachieving pupils in year 9 in English, mathematics and science. The grant provides salary costs for teachers, teaching assistants to provide additional teaching and support.

All schools will receive £4500 to support booster provision.

£4500

Transition initiative

The aim of this grant is to support in the extension/development of initiatives that support transition, e.g. teaching units, observations of primary lessons, joint discussions of pupils' performance etc. Two units of work have been developed in mathematics, one to be taught at the end of year 6 and one early in year 7. (Available on the Standards website March 2002)

All schools will receive £1000 to support school-based initiatives with feeder schools. **£1000**

Summer schools

This funding is to support schools that intake in year 7 or 8 in the running of a summer school. These schools could be organised flexibly. Whilst a 10-day school is the desired model, it could be 5 days or could take place in the Easter holidays or Saturday mornings.

All schools will receive £6500 to support summer schools or other activity focused on pupils who are insecure level 4 or level 3 at the end of key stage 2. **£6500**

Development grant

All schools will receive £2500 to support the development across all strands. This could be used to support the development of a KS strategy team, meetings of Heads of departments and KS 3 strategy managers, sharing good practice, observations of teaching across strands etc.

All schools will receive £2500 to support development across all strands. **£2500**

All schools will receive 1 days supply cover for a KS3 strategy manager to attend an LEA training day (summer 2002). **£145**

Leading mathematics teachers or departments

This is an important aspect of the KS3 strategy and is a means of disseminating good practice.

£1500 per teacher or department plus 2 days supply cover for training. **£1790**

Mathematics strand

Training for ALL schools

Summer 2002

The two priority areas of focus for summer 2002 are supporting transition and supporting developments in year 8.

Supporting transition

- ½ day training course
This will include time to study and discuss the use of transition units of work, how best to use the outcomes of these, and how other assessment information can be gathered and used.
- two short units of work are being developed, one unit intended for use towards the end of year 6 (one week) and one early in Year 7 (approximately 6 lessons). The units will focus on number and problem solving. Pupils will be expected to bring their work on the Year 6 unit to their secondary school.

We will run separate training sessions for schools with year 8 entry.

Interacting with year 8

- ½ day training course
This will focus on planning and developing mathematical reasoning in the context of handling data and proportional reasoning.
- Departments will be provided with two mini-packs each containing:
 - an outline plan for a unit of work
 - two training sessions to help departments explore the development of planning and teaching the unit
 - supporting materials including video.

Autumn 2002

Training in the autumn term will focus on lower attaining pupils in year 7. Two ½ day training sessions for a year 7 teacher will cover:

- approaches to calculation in Key Stages 2 and 3
- making the most of catch-up programmes
- working with pupils below level 3
- effective use of support staff

Spring 2003

The training will focus on year 9. The sessions will include opportunities to consider:

- distinctive features of mathematics in year 9 and bringing together work across different strands
- strengthening collaborative planning in departments
- effective use of support staff
- effective use of year 9 Booster funding and support materials.

Training for schools receiving ADDITIONAL support.

Leading developments in mathematics 1 and 2

two one day courses designed for curriculum leaders in schools with Key Stage 3 pupils.

The courses aim to support staff in:

- managing and implementing the mathematics elements of the Key Stage 3 National Strategy;
- facilitating the professional development of colleagues attending the four-day course for less-experienced teachers;
- extending the range of successful strategies in developing curriculum planning for mathematics.

This course is designed for existing heads of department and/or key stage 3 co-ordinators who will play a significant role in supporting the teachers attending the two two-day course for teachers of mathematics. It is therefore ESSENTIAL that the same people attend BOTH parts of the course.

Planning and teaching mathematics 1 and 2

two two-day courses for teachers of Key Stage 3 mathematics.

The courses aim to:

- develop teachers' understanding of important aspects of the mathematics curriculum in Key Stage 3;
- support teachers in strengthening the planning and teaching of mathematics in Key Stage 3.

Tasks to be completed and **supported by the head of department** between the two courses will be set.

If your school is NOT receiving additional support but you would like your staff to access the above courses please contact

Brenda Emmott (01603 433276)

If your school is CONTINUING to receive additional support from the first phase it is essential that you discuss your school's individual needs with your numeracy adviser or Brenda Emmott (01603 433276).