

## Key Stage 3 National Strategy

### **Targeting level 4 in Year 7: mathematics**

- Section 1 Introduction
- Section 2 Planning your support
- Section 3 Level 3 to level 4 lessons
- Section 4 Consolidation lessons

Further copies of this document are available from:

DfES Publications  
Tel 0845 60 222 60  
Fax 0845 60 333 60  
Textphone 0845 60 555 60  
Email [dfes@prolog.uk.com](mailto:dfes@prolog.uk.com)

Sections 1–3 (DfES 0142/2003)  
Folder and section 4 (DfES 0085/2003)

Produced by the Department for Education and Skills

© Crown copyright 2003

Extracts from this document may be reproduced for non-commercial or training purposes on the condition that the source is acknowledged

[www.standards.dfes.gov.uk/keystage3](http://www.standards.dfes.gov.uk/keystage3)  
[www.dfes.gov.uk](http://www.dfes.gov.uk)

#### **Disclaimer**

The Department for Education and Skills wishes to make clear that the Department and its agents accept no responsibility for the actual content of any of the materials suggested as information sources within this document, whether these are in the form of printed publications or on a website.

## **Section 1**

# ***Introduction***

## Section 1 Introduction

The *Framework for teaching mathematics: Years 7, 8 and 9* (DfES 0020/2001) provides teachers with guidance on meeting the National Curriculum requirements for mathematics. It sets out yearly teaching programmes showing how objectives for teaching mathematics can be planned from Year 7 to Year 9.

The materials in this publication are intended to support pupils who enter Year 7 having achieved level 3 in the Key Stage 2 National Curriculum tests in mathematics. The aim for these pupils is that they should attain level 4 as quickly as possible, moving on to level 5 by the end of Year 9. To achieve this, you need to teach the Year 7 teaching programme in mathematics at an appropriate level, consolidating the essential knowledge and skills that underpin the programme.

Materials to support teachers in this work in mathematics in Year 7 include:

- **Springboard 7** (DfES 0049/2001)  
*Springboard 7* provides learning resources to bridge level 3 and level 4 in mathematics. References to *Springboard 7* are made throughout the materials in this pack. These new materials give schools more support with organising and teaching a mathematics intervention programme in Year 7 using the *Springboard 7* resources.
- **Sample medium-term plan: Year 7 intervention** (section 2 of this pack)  
This Year 7 intervention plan is closely linked to the original Year 7 sample medium-term plan for mathematics (DfES 0504/2001). It builds key elements of the Key Stage 2 programme of study into the Year 7 yearly teaching programme and illustrates where the new materials in this file and other resources can be incorporated.
- **Level 3 to level 4 lessons** (section 3 of this pack)  
These lessons, spread throughout the year, give teachers guidance on teaching the key topics that pupils need to grasp if they are to attain level 4 in mathematics. They supplement *Springboard 7* and have been organised in units to match the plan in section 2. The number and algebra units are included in this pack. These and units for shape, space and measures and handling data will be available on the Standards website.
- **Consolidation lessons** (section 4 of this pack)  
These are essentially revision lessons; pupils will have met the topics before. You could choose to use the lessons during the latter half of the year to complete a topic – suggested locations are given on the medium-term plan – or you could choose to use them early in the summer term before the Year 7 Progress test. These lessons, available to order from March 2003, are also on the Standards website.

You may also find it useful to refer to:

- **Mathematics challenge** (DfES 0200/2003)  
These materials support schools in recruiting, training and organising parents, mentors and volunteers who will support pupils individually, or in a small group, with aspects of mathematics. Initially targeted at Year 7 pupils, they can be used in Years 8 and 9 as appropriate. As part of a planned programme of intervention these materials are best used in advance of a topic being met in the teaching programme. Pupils will then be in a better position to benefit from the lessons. Suggested links are shown in the medium-term intervention plan in section 2.
- **Making links: guidance for summer schools** (DfES 0244/2002)  
Good continuity across the key stages is crucial. Attendance at a numeracy summer school is a first element in the mathematics intervention programme for Key Stage 3.
- **Testbase**  
Questions from previous end-of-key-stage tests are available on the Testbase CD produced by QCA/Doublestruck. This is obtainable from Testbase, PO Box 208, Newcastle on Tyne, NE3 1FX; tel. 0870 9000 402; fax 0870 9000 403; website [www.testbase.co.uk](http://www.testbase.co.uk). The CD-ROM is supplied free of charge. Individual subjects can then be accessed using registration codes at a cost of £25 per subject per key stage. Your LEA may have purchased a licence.  
Sample National Curriculum test questions, based on the examples in Testbase, are incorporated in the level 3 to level 4 lessons and the consolidation lessons.
- **Standards website**  
[www.standards.dfes.gov.uk/keystage3](http://www.standards.dfes.gov.uk/keystage3)