

## *Mathematics Enhancement Programme*

### **TEACHING SUPPORT: Year 3**

#### **OVERVIEW**

In Year 3 we begin to think and write in a more mathematical way. We want our students to think logically and purposefully, using their current knowledge and skills in problem solving but also extending their understanding in a logical and rigorous way.

At the start of the year most of the work is on reinforcing ideas, concepts and skills from Year 2. It is really important that this is covered in depth; you might find that extra reinforcement is needed before moving on. At the start of Y3, your students should

- *know and easily recall number bonds up to 20*
- *know multiplication tables up to  $10 \times 10$*   
*(this has been covered in Year 2 but many students will not yet have 'fixed' it so constant and repeated revision will be needed)*
- *have confidence with whole numbers up to 100 and the use of inequality signs*
- *calculate division sums of 2 or 3 digit numbers by 1 digit numbers, including remainders*
- *recognise well-known shapes and be able to reflect and enlarge simple shapes*
- *understand and use suitable units for*

<i>time</i>	<i>(minutes, hours, days, months, years)</i>
<i>length</i>	<i>(m and cm)</i>
<i>capacity</i>	<i>(l and cl)</i>
<i>mass</i>	<i>(kg and g)</i>
- *understand what is meant by 'a half', 'a quarter' and 'three quarters'.*

Many of these topics are revised in the first few weeks of Year 3; others will be revised and extended during the year.

Please remember that the underlying aim is to help your students become mathematical thinkers. This requires guidance and patience with emphasis on writing and speaking mathematics correctly and precisely at all times. You need to model this in all that you do, on the board and with your students' work.