



# Foundation

## transition

for **AQA, Edexcel** and **OCR two-tier GCSE mathematics**

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 The School Mathematics Project  
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## Using this book

This book, *Foundation transition*, is for students who have followed any ‘support’ course in key stage 3. It prepares up to GCSE grade F and can be used to cover or revise basic topics before students start *Foundation 1*, the first of the two main books for the Foundation tier.

To help users identify material that can be omitted by some students – or just dipped into for revision or to check competence – chapter sections estimated to be at national curriculum level 3 or 4 are marked as such. These levels are also given in the detailed contents list on the next few pages.

At the end of the contents list is a precedence diagram to help those who want to use chapters selectively or in a different order from that of the book.

Each chapter begins with a summary of what it covers and ends with a self-assessment section (‘Test yourself’).

**T** Topics that can be used as the basis of teacher-led activity or discussion – with the whole class or smaller groups – are marked with this symbol.

There are clear worked examples – and past exam questions, labelled by board, to give the student an idea of the style and standard that may be expected, and to build confidence.

**X** Questions to be done without a calculator are marked with this symbol.

Questions marked with a star are more challenging.

After every few chapters there is a review section containing a mixture of questions on previous work.

The resource sheets linked to this book can be downloaded in PDF format from [www.smpmaths.org.uk](http://www.smpmaths.org.uk) and may be printed out for use within the institution purchasing this book.

## Practice booklets

There is a practice booklet for each students’ book. The practice booklet follows the structure of the students’ book, making it easy to organise extra practice, homework and revision. The practice booklets do not contain answers; these can be downloaded in PDF format from [www.smpmaths.org.uk](http://www.smpmaths.org.uk)

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The precedence diagram opposite, showing all the chapters, is designed to help with planning, especially where the teacher wishes to select from the material to meet the needs of particular students or to use chapters in a different order from that of the book. A blue line connecting two chapters indicates that, to a significant extent, working on the later chapter requires competence with topics dealt with in the earlier one.

