### Changes to 2015 syllabus (first teaching 2013)

<table>
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<tr>
<th>New Content in Syllabus</th>
<th>Pages in Hodder Education Book</th>
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<tr>
<td>Knowledge of compound interest formula (E1.16)</td>
<td>Pages 81-83</td>
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<tr>
<td>Use exponential growth and decay in relation to population and finance (E1.17)</td>
<td>Pages 198</td>
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<tr>
<td>Draw and interpret graphs representing exponential growth and decay problems (E2.10)</td>
<td>Pages 194-198</td>
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<tr>
<td>Find the gradient of parallel and perpendicular lines (E5.6)</td>
<td>Pages 326, 327, 332-335</td>
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Also available:

- **IGCSE Core Mathematics 3\textsuperscript{rd} Edition + CD** (ISBN 97814444191721)
  
  \textit{Publication Date}: August 2013 \hspace{1cm} \textit{Price}: £20.99

- **IGCSE Maths Practice Book** (ISBN 97814444180466)
  
  \textit{Publication Date}: October 2013 \hspace{1cm} \textit{Price}: £6.99

- **Cambridge IGCSE Mathematics Teacher's CD** (ISBN 97814444191745)
  
  \textit{Publication Date}: September 2013 \hspace{1cm} \textit{Price}: £75.00

- **Cambridge IGCSE International Mathematics** (ISBN 9781444412924)
  
  \textit{Publication Date}: 25/03/2011 \hspace{1cm} \textit{Price}: £25.99
Cambridge IGCSE Mathematics 3rd Edition
The only Text Book currently available for the new (2015) syllabus.

3. Syllabus content at a glance

Candidates may follow either the Core curriculum or the Extended curriculum. Candidates aiming for grades A* to C should follow the Extended curriculum.

All candidates will study the following topics:

1. Number
2. Algebra and graphs
3. Geometry
4. Mensuration
5. Coordinate geometry
6. Trigonometry
7. Matrices and transformations
8. Probability
9. Statistics

Contents

- Introduction

- Topic 1 Number
  - Chapter 1 Number and language
  - Chapter 2 Arithmetic
  - Chapter 3 Calculations and indices
  - Chapter 4 Positive and negative numbers
  - Chapter 5 Understanding the number system

- Topic 2 Algebra and graphs
  - Chapter 6 Equations
  - Chapter 7 Ratio
  - Chapter 8 Sequences
  - Chapter 9 Functions
  - Chapter 10 Transformations

- Topic 3 Geometry
  - Chapter 11 Geometrical vocabulary
  - Chapter 12 Geometrical constructions and scale drawings
  - Chapter 13 Similarity
  - Chapter 14 Angles properties
  - Chapter 15 Area

- Topic 4 Mensuration
  - Chapter 16 Area
  - Chapter 17 Volume

- Topic 5 Coordinate geometry
  - Chapter 18 Straight line graphs

- Topic 6 Trigonometry
  - Chapter 19 Trigonometry

- Topic 7 Matrices and transformations

- Topic 8 Probability

- Topic 9 Statistics
  - Chapter 20 Ordering and displaying data

- Topic 10 Mathematical investigations and ICT