This Scheme of Work is for Discovering Mathematics Student Book 1A. The detailed Schemes of Work and KS3 POS matching grids for the whole series of Discovering Mathematics can be found at www.oxfordsecondary.co.uk/discoveringmathematics

Discovering Mathematics has been adapted from the Singapore series to match fully with the Key Stage 3 Programme of Study (KS3 POS), which is available at www.gov.uk/government/publications/national-curriculum-in-england-mathematics-programmes-of-study

References to the KS3 POS in this Scheme of Work have been abbreviated as follows:
DF – Developing Fluency; RM – Reason Mathematically; SP – Solve Problems; N – Number; A – Algebra; R – Ratio, Proportion and Rates of Change; G – Geometry and Measures; P – Probability; S – Statistics.

k in the Series Resources column shows content available on Discovering Mathematics Kerboodle at www.kerboodle.com.

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• Use multiplication to solve real-life problems  
• Calculate square and cube numbers and write these numbers using indices | DF1, 2, 5, 7  
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1367, 1024, 1025, 1904, 1911, 1401 |
| Autumn term / Week 6 | 2.1 Multiplication | • Multiply whole numbers, using different methods and techniques  
• Use multiplication to solve real-life problems  
• Calculate square and cube numbers and write these numbers using indices | DF2, 5, 7  
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SP1–4  
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| Autumn term / Week 7 | 2.2 Division | • Divide whole numbers, using different methods and techniques  
• Recognise the inverse relationship between multiplication and division  
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• Order decimals up to three decimal places | DF2, 5, 7  
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| Spring Term / Week 6 | 6.1 Decimal Place Values | • Identify the tenths, hundredths and thousandths in decimals  
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- Classify, organise and tabulate data | DF2, 7  
SP1-4  
N12 | ![Chapter 12 introduction video](image)  
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**Fully-worked solutions:** Chapter 12 in Workbook 1A | ![Workbook 1A Section 12.1](image) |
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- Classify, organise and tabulate data | DF2, 7  
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- Represent data in pictograms, vertical line charts and bar charts  
- Identify the advantages and disadvantages of pictograms, vertical line charts and bar charts | DF2, 7  
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