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| **Unit A5** **Graphs** | **Year 8 Road Map** |
| In this unit you will learn about Sequences**S**: Support**C**: Core**E**: Extension |
| **S/N** | **Differentiation** | **Learning Goals/Outcomes/Content** | **Mathswatch Clip** | **R** | **A** | **G** |
| 1 | S | Plot and reading coordinates in all four quadrants | A1 |  |  |  |
| 2 | S | Identify the coordinates of the midpoint of a line segment (when it is drawn on a square grid) | 133 |  |  |  |
| 3 | S C E | Calculate the coordinates of the midpoints of a line segment when coordinates are given | 133 |  |  |  |
| 4 | S C E | Use properties of shapes to work out missing coordinates of a 2D shape | 8 |  |  |  |
| 5 | S C E | Interpret and draw conversion graphs | 112 |  |  |  |
| 6 | S C E | Complete tables of values, Plot and draw straight line graphs using a table of values | A14a96 |  |  |  |
| 7 | C E | Calculate the gradient and y-intercept of straight-line graphs | A14b |  |  |  |
| 8 | E | Sketching linear graphs using the gradient and the y-intercept | A14c |  |  |  |
| 9 | E | Interpret real-life graphs | 143 |  |  |  |
| 10 | S C E | Using ICT to draw graphs |  |  |  |  |
| 11 | E | Complete table of value for a quadratic function and use it to draw the quadratic graphs | 98 |  |  |  |
| 12 | S C E | Solve unstructured problems involving drawing graphs | 216a |  |  |  |

Student’s comments or questions