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| **Unit A5**  **Graphs** | | **Year 7 Road Map** | | | | |
| In this unit you will learn about Sequences  **S**: Support  **C**: Core  **E**: Extension | | | | | | |
| **S/N** | **Differentiation** | **Learning Goals/Outcomes/Content** | **Maths**  **watch Clip** | **R** | **A** | **G** |
| 1 | S | Plot and reading coordinates in all four quadrants (A2.2, A3.3) | A1 |  |  |  |
| 2 | S C | Identify the coordinates of midpoint of 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 (A6.2) | 113 |  |  |  |
| 5 | S C E | Interpret and draw conversion graphs (A3.4) | R2 |  |  |  |
| 6 | C E | Complete tables of values, Plot and drawing straight line graphs using table of values (A3.3/4, A4.3) | A14a |  |  |  |
| 7 | E | Calculate the gradient and y-intercept of straight-line graphs (A4.3, A5.5) | A14b |  |  |  |
| 8 | C E | Sketching linear graphs using the gradient and the y-intercept (A4.3, A5.3, A5.5, A6.2) | A14c |  |  |  |
| 9 | E | Work out equation of straight lines when either coordinates of two points are given or from a drawn graph (A4.3) | 96 |  |  |  |
| 10 | C E | Interpret real-life graphs (A4.3) | 143 |  |  |  |
| 11 | S C E | Using ICT to draw graphs (A3.3, A5.3, A6.4) |  |  |  |  |
| 12 | S C E | Solve unstructured problems involving drawing graphs | 216a |  |  |  |

Student’s comments or questions