

| Date           | Lesson |                                            | Lesson no   | Lesson Title                                                                                                  | homework    | Cover/Isolation work                                                                                                                    | 10-MA4                                                                                                                                    | 10-MA5                                                                                                                                    | 10-MA6                                                                                                   | 10-MA7                                                                                                                                                                                                              |                                                                                                                                                                                                              |
|----------------|--------|--------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| W/B 01/09/2025 |        | Solving Equations and Rearranging Formulae | 1           | Solve linear equations in one unknown algebraically                                                           | N/A         | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125553">https://curriculum.unitedlearning.org.uk/Curriculum?r=125553</a> | Solve one and two step linear equations, including roots and powers                                                                       | Solve one and two step linear equations, including roots and powers                                                                       | Solve one step linear equations, including roots and powers                                              | Solve one step linear equations, including roots and powers                                                                                                                                                         |                                                                                                                                                                                                              |
|                |        |                                            | 2           |                                                                                                               |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125554">https://curriculum.unitedlearning.org.uk/Curriculum?r=125554</a> | Solve one and two step linear equtions with negative coefficients                                                                         | Solve one and two step linear equtions with negative coefficients                                                                         | Solve one and two step linear equtions with negative coefficients                                        | Solve one step linear equations with negative coefficients on the variables                                                                                                                                         |                                                                                                                                                                                                              |
|                |        |                                            | 3           |                                                                                                               |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125555">https://curriculum.unitedlearning.org.uk/Curriculum?r=125555</a> | Solve multistep linear equtions with involving fractions and brackets                                                                     | Solve multistep linear equations with involving fractions and brackets                                                                    | Solve two step linear equations                                                                          | Solve two step linear equations with positive coefficients                                                                                                                                                          |                                                                                                                                                                                                              |
|                |        |                                            | 4           | Solve linear equations with the unknown on both sides of the equation                                         |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125556">https://curriculum.unitedlearning.org.uk/Curriculum?r=125556</a> | Solve linear equations with unknown on both sides, including negatives, fractions and brackets                                            | Solve linear equations with unknown on both sides, including negatives, fractions and brackets                                            | Solve linear equations with unknown on both sides, including negatives                                   | Solve two step linear equations involving fractions                                                                                                                                                                 |                                                                                                                                                                                                              |
|                |        |                                            | 5           | Calculate the radius or diameter when Sector area or Arc length is given                                      |             | sparx maths                                                                                                                             | Rearrange formulae - multistep                                                                                                            | Rearrange formulae - multistep                                                                                                            | Rearrange formulae - one and two step                                                                    | Rearrange formulae - one and two step                                                                                                                                                                               |                                                                                                                                                                                                              |
|                |        |                                            | 6           | Change the subject of a formula involving the use of square roots and squares                                 |             | sparx maths                                                                                                                             | Rearrange formulae - multistep including roots, powers and brackets                                                                       | Rearrange formulae - multistep including roots, powers and brackets                                                                       | Rearrange formulae - multistep                                                                           | Rearrange formulae - common formulae e.g. area/circumference of a circle (up to two step)                                                                                                                           |                                                                                                                                                                                                              |
| W/B 08/09/2025 |        |                                            | 1           | Rearrange formulae to change the subject in a geometrical context                                             | Sparx Maths | sparx maths                                                                                                                             | Rearrange formulae - common formulae e.g. area/circumference of a circle, area of a parallelogram, suvat speed/distance/time              | Rearrange formulae - common formulae e.g. area/circumference of a circle, area of a parallelogram, suvat speed/distance/time              | Rearrange formulae - common formulae e.g. area/circumference of a circle (up to three step)              | Rearrange formulae - common formulae e.g. area/circumference of a circle (up to two step)                                                                                                                           |                                                                                                                                                                                                              |
|                |        | Linear Graphs                              | 2           | Draw, label and scale axes                                                                                    |             | sparx maths                                                                                                                             | Plot and read coordinates in all 4 quadrants<br>Scale axis                                                                                | Plot and read coordinates in all 4 quadrants<br>Scale axis                                                                                | Plot and read coordinates in all 4 quadrants<br>Scale axis                                               | Plot and read coordinates in all 4 quadrants                                                                                                                                                                        |                                                                                                                                                                                                              |
|                |        | Linear Graphs                              | 3           | Plot straight line graphs                                                                                     |             | sparx maths                                                                                                                             | Plot straight line graphs in the form y=mx+c                                                                                              | Plot straight line graphs in the form y=mx+c                                                                                              | Solve shape problems involving coordinates                                                               | Solve shape problems involving coordinates                                                                                                                                                                          |                                                                                                                                                                                                              |
|                |        |                                            | 4           | Plot and draw graphs of straight lines in the form ax + by = c                                                |             | sparx maths                                                                                                                             | Plot straight line graphs of the form ax +by=c                                                                                            |                                                                                                                                           | Substitution into linear equations                                                                       |                                                                                                                                                                                                                     | Substitution into linear equations (one and two step)                                                                                                                                                        |
|                |        |                                            | 5           | Recognise, sketch and interpret straight line graphs                                                          |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125525">https://curriculum.unitedlearning.org.uk/Curriculum?r=125525</a> |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 6           | Find the equation of a straight line from a graph                                                             |             |                                                                                                                                         | Finding the gradient given a straight line graph<br>Find the equation of a straight line given the graph                                  | Finding the gradient given a straight line graph<br>Find the equation of a straight line given the graph                                  |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
| W/B 15/09/2025 |        |                                            | 1           | Real life graphs: ready reckoner graphs, conversion graphs, fuel bills graphs, fixed charge and cost per unit | Sparx Maths | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125526">https://curriculum.unitedlearning.org.uk/Curriculum?r=125526</a> | Real life graphs                                                                                                                          | Real life graphs                                                                                                                          | Plot straight line graphs in the form y=mx+c                                                             | Plot straight line graphs in the form y=mx+c                                                                                                                                                                        |                                                                                                                                                                                                              |
|                |        | 2                                          | sparx maths |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 3           | Identify and interpret gradient from an equation y = mx + c                                                   |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125527">https://curriculum.unitedlearning.org.uk/Curriculum?r=125527</a> | Finding the gradients and y-intercept of a straight line given the equation in the form<br>- y=mx+c<br>- ax + by = c<br>- ax + by + c = 0 | Finding the gradients and y-intercept of a straight line given the equation in the form<br>- y=mx+c<br>- ax + by = c<br>- ax + by + c = 0 |                                                                                                          |                                                                                                                                                                                                                     | Real life graphs                                                                                                                                                                                             |
|                |        | 4                                          | sparx maths |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 5           | Find the coordinates of the midpoint of a line segment                                                        |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125528">https://curriculum.unitedlearning.org.uk/Curriculum?r=125528</a> | Finding the coordinates of mid-points<br>Finding the equation of a straight line given the gradient and one set of coordinates            | Finding the coordinates of mid-points<br>Finding the equation of a straight line given the gradient and one set of coordinates            |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 6           | Find the equation of a line through two given points or through one point with a given gradient               |             | sparx maths                                                                                                                             | Finding the gradient given two sets of coordinates<br>Finding the equation of a straight line given two sets of coordinates               | Finding the gradient given two sets of coordinates<br>Finding the equation of a straight line given two sets of coordinates               | Identify gradient and intercept from graphs in the form y= mx + c                                        | Identify gradient and intercept from graphs in the form y= mx + c                                                                                                                                                   |                                                                                                                                                                                                              |
| W/B 22/09/2025 |        |                                            | 1           | Use y = mx + c to identify parallel lines                                                                     | Sparx Maths | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125529">https://curriculum.unitedlearning.org.uk/Curriculum?r=125529</a> | Finding the equation of parallel lines, including diagrams                                                                                | Finding the equation of parallel lines, including diagrams                                                                                | Identify gradient and interceptgraphically                                                               | Identify gradient and interceptgraphically                                                                                                                                                                          |                                                                                                                                                                                                              |
|                |        | 2                                          | sparx maths |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 3           |                                                                                                               |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=132868">https://curriculum.unitedlearning.org.uk/Curriculum?r=132868</a> | Using rearranging to prove that 2 lines are parallel                                                                                      | Using rearranging to prove that 2 lines are parallel                                                                                      | consolidation                                                                                            | consolidation                                                                                                                                                                                                       |                                                                                                                                                                                                              |
|                |        |                                            | 4           |                                                                                                               |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125566">https://curriculum.unitedlearning.org.uk/Curriculum?r=125566</a> | pause                                                                                                                                     | pause                                                                                                                                     | pause                                                                                                    | pause                                                                                                                                                                                                               |                                                                                                                                                                                                              |
|                |        |                                            | 5           |                                                                                                               |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125531">https://curriculum.unitedlearning.org.uk/Curriculum?r=125531</a> |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 6           |                                                                                                               |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125532">https://curriculum.unitedlearning.org.uk/Curriculum?r=125532</a> | assessment/feedback                                                                                                                       | assessment/feedback                                                                                                                       | assessment/feedback                                                                                      | assessment/feedback                                                                                                                                                                                                 |                                                                                                                                                                                                              |
| W/B 29/09/2025 |        | 10.03                                      | 1           | solving linear simultaneous equations by elimination                                                          | Sparx Maths | sparx maths                                                                                                                             | finding the coordinate of the point of intersection<br>drawing one line then finding coordiate of point of intersection                   | finding the coordinate of the point of intersection<br>drawing one line then finding coordiate of point of intersection                   | finding the coordinate of the point of intersection                                                      | finding the coordinate of the point of intersection                                                                                                                                                                 |                                                                                                                                                                                                              |
|                |        | Linear Simultaneous Equations              | 2           |                                                                                                               |             | sparx maths                                                                                                                             |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        | Equations                                  | 3           |                                                                                                               |             | Solving linear simultaneous equations by elimination                                                                                    | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125571">https://curriculum.unitedlearning.org.uk/Curriculum?r=125571</a>   | 10.03 Solving linear simultaneous equations by eliminations (same coefficient)                                                            | 10.03 Solving linear simultaneous equations by eliminations (same coefficient)                           | recap solving 2 step equations                                                                                                                                                                                      | recap solving 2 step equations                                                                                                                                                                               |
|                |        |                                            | 4           |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           | recap substitution                                                                                       | recap substitution                                                                                                                                                                                                  |                                                                                                                                                                                                              |
|                |        |                                            | 5           |                                                                                                               |             |                                                                                                                                         | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125572">https://curriculum.unitedlearning.org.uk/Curriculum?r=125572</a>   | solving linear simultaneous equations different coefficients (where one equation needs to be multiplied)                                  | solving linear simultaneous equations different coefficients (where one equation needs to be multiplied) | solving linear simultaneous equations by elimination (same coefficient all positive values)                                                                                                                         | solving linear simultaneous equations by elimination (same coefficient all positive values)                                                                                                                  |
|                |        |                                            | 6           |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
| W/B 06/10/2025 |        |                                            | 1           |                                                                                                               | Sparx Maths | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125573">https://curriculum.unitedlearning.org.uk/Curriculum?r=125573</a> | solving linear simultaneous equations different coefficients (where both equations need to be multiplied)                                 | solving linear simultaneous equations different coefficients (where both equations need to be multiplied)                                 | solving linear simultaneous equations different coefficients (where one equation needs to be multiplied) | solving linear simultaneous equations different coefficients (where one equation needs to be multiplied) Note this may not be appropriate if students struggled last lesson. Keep all coefficients/ values positive |                                                                                                                                                                                                              |
|                |        | 2                                          |             |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 3           |                                                                                                               |             |                                                                                                                                         | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125574">https://curriculum.unitedlearning.org.uk/Curriculum?r=125574</a>   | Solving linear simultaneous equations in context                                                                                          | Solving linear simultaneous equations in context                                                         | Solving linear simultaneous equations in context                                                                                                                                                                    | Solving linear simultaneous equations in context (only use questions that are covered prior to this for example if you stopped at same coefficients only use questions in context with the same coefficients |
|                |        | 4                                          |             |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 5           |                                                                                                               |             |                                                                                                                                         | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125575">https://curriculum.unitedlearning.org.uk/Curriculum?r=125575</a>   | Pause                                                                                                                                     | Pause                                                                                                    | Pause                                                                                                                                                                                                               | Pause                                                                                                                                                                                                        |
|                |        |                                            | 6           |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
| W/B 13/10/2025 |        | 10.04                                      | 1           | Know and apply formulae to calculate volume of cuboids and other right prisms (including cylinders)           | Sparx Maths | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=132373">https://curriculum.unitedlearning.org.uk/Curriculum?r=132373</a> | Finding the volume of cubes and cuboids (recap) extend to finding missing lengths given the volume                                        | Finding the volume of cubes and cuboids (recap) extend to finding missing lengths given the volume                                        | Finding the volume of cubes and cuboids                                                                  | Finding the volume of cubes and cuboids                                                                                                                                                                             |                                                                                                                                                                                                              |
|                |        | Volume 2                                   | 2           |                                                                                                               |             |                                                                                                                                         | Finding the volume of triangular prisms extend to finding missing lengths given the volume                                                | Finding the volume of triangular prisms extend to finding missing lengths given the volume                                                |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 3           |                                                                                                               |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=132374">https://curriculum.unitedlearning.org.uk/Curriculum?r=132374</a> | Finding the volume of cylinders extend to finding missing lengths given the volume                                                        | Finding the volume of cylinders extend to finding missing lengths given the volume                                                        | Finding the volume of triangular prisms                                                                  | Finding the volume of triangular prisms                                                                                                                                                                             |                                                                                                                                                                                                              |
|                |        |                                            | 4           |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 5           |                                                                                                               |             |                                                                                                                                         | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=132375">https://curriculum.unitedlearning.org.uk/Curriculum?r=132375</a>   | Finding volume of a cone.                                                                                                                 | Finding volume of a cone.                                                                                | Finding the volume of cylinders                                                                                                                                                                                     | Finding the volume of cylinders                                                                                                                                                                              |
|                |        |                                            | 6           |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
| W/B 20/10/2025 |        |                                            | 1           | Find the volume of spheres, pyramids, cones and composite solids                                              | Sparx Maths | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125580">https://curriculum.unitedlearning.org.uk/Curriculum?r=125580</a> | Finding the volume of a pyramind                                                                                                          | Finding the volume of a pyramind                                                                                                          | Consolidation                                                                                            | Consolidation                                                                                                                                                                                                       |                                                                                                                                                                                                              |
|                |        |                                            | 2           |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 3           |                                                                                                               |             | <a href="https://curriculum.unitedlearning.org.uk/Curriculum?r=125581">https://curriculum.unitedlearning.org.uk/Curriculum?r=125581</a> | Finding the volume of a sphere                                                                                                            | Finding the volume of a sphere                                                                                                            |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 4           |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 5           |                                                                                                               |             |                                                                                                                                         |                                                                                                                                           |                                                                                                                                           |                                                                                                          |                                                                                                                                                                                                                     |                                                                                                                                                                                                              |
|                |        |                                            | 6           |                                                                                                               |             |                                                                                                                                         | assessment                                                                                                                                | assessment                                                                                                                                | assessment                                                                                               | assessment                                                                                                                                                                                                          |                                                                                                                                                                                                              |