

Maths

Year 8

Spring 2

| Week | Unit Name | Learning Objectives  | Resources     | Assessment                                 |
|------|-----------|--|---------------|--|
| 1    | Solving   | Substitute and solve   | Hegarty Maths | Weekly Progress Checks and Xmas Assessment |
|      |           | Forming and Solving - Perimeter  |               |  |
|      |           | Forming and Solving – Angles   |               |  |
| 2    | Solving   | Solving 1 step equations – including indices and roots   |               |  |
|      |           | Solving 2 step equations – involving indices and 1 other operation<br>e.g. $x^2 + 2 = 11$ , $\frac{\sqrt{x}}{5} = 1$ , $3x^2 = 12$ |               |  |
|      |           | Solving with 2 brackets (last step of solving quadratics) e.g. $(x + 2)(x + 5) = 0$  |               |  |
| 3    | Solving   | Solving quadratics - positive  |               |  |
|      |           | Solving quadratics – positive and negative   |               |  |
|      |           | Solving quadratics – $a > 1$   |               |  |
| 4    | Solving   | Substitute and use formulae  |               |  |
| 5    | Solving   | Rearranging formulae – 1 and 2 step (4 operations)   |               |  |
|      |           | Rearranging formulae – 1 and 2 step (including indices)  |               |  |
|      |           | Rearranging formulae – multi step  |               |  |
| 6    | Solving   | Formulae to learn by heart – using them  |               |  |

|  |  |   |  |  |
|--|--|---|--|--|
|  |  | Formulae to learn by heart – using them |  |  |
|--|--|---|--|--|