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| **Core Knowledge Map** | | | |
| Subject: **Mathematics** | Year: 10 | | Term: Autumn 1 |
| What are we learning? | | | |
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| How will I be assessed | | | |
| Retrieval Tasks, Exit tickets, end of half-term test. | | | |
| Big questions: | | | |
| Can You….?   * Deduce of a triangle with side lengths, 2,3 and 6 is a right-angled triangle? * Find the length between two coordinate points (2,3) and (8,13)? * Describe when you use the version ? * Calculate lengths x and y giving your answer to 1 dp | | | |
| How does this build on previous learning? | | How will this link to my future learning? | |
| * Using a calculator efficiently * Rounding * Substituting values into formula * Rearranging formula * Solving equations * Use of surds * Recall formula and usage from Year 9 | | * Using both Pythgoras’ theorem and the trigonometric ratios in synoptic questions. * Using trigonometry in non right angled triangles in Year 11 * Both are used extensively at A-Level | |
| Core knowledge: | | Key vocabulary: | |
| Pythagoras’ theorem states c2 = a2 + b2 where c is the length of the hypotenuse in a right-angled triangle.  Volume of a cuboid = | | Trigonometry  Hypotenuse  Opposite  Adjacent  Theorem  Angle of elevation  Angle of depression  Similar  Inverse  Pythagorarean Triple | |
| Need more help? Use the Sparx Independent Learning Codes above | | | |