|  |  |  |  |
| --- | --- | --- | --- |
| **Core Knowledge Map** | | | |
| Subject: **Mathematics** | Year: 10 | | Term: Autumn 2 |
| What are we learning? | | | |
|  | | | |
| How will I be assessed | | | |
| Retrieval Tasks, Exit tickets, end of half-term test. | | | |
| Big questions: | | | |
| Can you….?   * Draw a tangent, chord, diameter and radius on a circle? * Describe the difference between a segment and a sector?  |  |  | | --- | --- | | \*Can you write an algebraic expression for the areas of both shapes? | \*Can you calculate the area and the perimeter of this sector? | | | | |
| How does this build on previous learning? | | How will this link to my future learning? | |
| * Recall and use the formula for basic 2D shapes: square, rectangle, triangle, parallelogram, trapezium and circles * Calculate the numerical value or derive an algebraic expressions for the perimeter of a 2D shape. * Estimation | | * Calculating volumes of prisms * Calculating the volume of compound 3D shapes. | |
| Core knowledge: | | Key vocabulary: | |
| Area of circle =  Circumference of a circle =  Arc Length =  Area of sector = | | Perimeter  Area  Sector  Segment  Chord, tangent, diameter and radius | |
| Need more help? Use the Sparx Independent Learning Codes above | | | |