ASHION COMMUNITY SCIENCE COUEGE: MATHS CURRICULUM

| Year 9 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Half term 1 | Half term 2 | Half term 3 | Half term 4 | Half term 5 | Half term 6 |
| Knowledge | Topic: <br> - Pythagoras/Tigonometry <br> - Equations | Topic: <br> - Volume and Surface <br> Area <br> - Circles | Topic: <br> - Averages <br> - Sequences | Topic: <br> - Measuring and Constructing <br> - Angle Rules | Topic: <br> - Transformations | Topic: <br> - Compound Units <br> - Congruency and Similarity |
| Skills/ application of knowledge | - Substitution <br> - Pythagoras' Theorem <br> - Trigonometry <br> - Linearequations <br> - Complex linear equations <br> - Simultaneous equations <br> - Rearanging equations | - Find the volume of prisms <br> - Volume of nonprisms <br> - Surface area of a 3D shape <br> - Finding dimensions <br> - Scale factors <br> - Parts of a circle <br> - Circumference <br> - Area | - Averages <br> - Stem and leaf diagrams <br> - Frequency diagrams <br> - Missing terms <br> - Generating sequences <br> - $\mathrm{n}^{\text {th }}$ Term | - Measuring and draw angles <br> - Constructing triangles <br> - Constructions <br> - Loci <br> - Apply angle facts <br> - Angles in polygons <br> - Angles in parallel lines | - Reflection <br> - Rotation <br> - Translation <br> - Enlargements | - Distance, speed and time <br> - Mass, density and volume <br> - Force, pressure and area <br> - Congruency <br> - Simila rity |
| Links to prior leaming | 2D Shapes <br> 3D Shapes <br> Algebra <br> Plotting Graphs <br> Substitution | 2D Shapes <br> 3D Shapes | Probability <br> Statistic s <br> Algebra <br> Plotting Graphs <br> Substitution <br> Equations | 2D Shapes Measuring and Constructing | 2D Shapes | Calculations <br> Substitution <br> 2D Shapes <br> 3D Shapes <br> Volume and Surface Area |
| assessment | Check-ins Check-outs | Check-ins Check-outs | Check-ins Check-outs | Check-ins Check-outs | Check-ins Check-outs | Check-ins Check-outs |

