**TOPIC TWO: MEASUREMENT**

|  |  |  |  |
| --- | --- | --- | --- |
| Week | **Monday Block 1** | **Thursday Block 2** | WORK |
| 928/03 | EASTERMONDAY | **Measurement review*** Measuring devices
* Metric system conversion

**Accuracy of measurements****\*** Estimating and approximation\* Rounding to significant figures( Need to revisit scientific notation) | Students will need to revisit and those who get it move through work atown paceTEXTMathematical Applications Year 11Exercise 2BQ 1 - 6Exercise 2CQ 1- 4 (15 minutes)Exercise 2 DQ 1- 8 (15 Minutes) |
| 1004/04 | **Pythagoras’ theorem Review**a) Finding the length of hypotenuseb) Finding the length of the short sides | **Perimeter of standard and composite shapes including circles, sectors, quadrilaterals and triangles.** | MondayReview of Pythagoras from Year 9 & 10Text Exercise 6 AQ 1,2 7, 9 & 10Thursday including home-studyExercise 2 HQ 1, 2, 3, 7, -- 9, 10, 14 |
| 1111/04 |  **Problems-based skills practice**Perimeter and Pythagoras’ theorem | **AREA** Review Area units and their conversionArea of standard and composite shapes including circles, sectors, ovals, trapeziums and trianglesArea of standard and composite shapesProblems-based skills practice. | MondayHand out Perimeter Worksheet to be completed and submitted to you by Friday.Thursday Collect and handout Area and Volume Rule Sheet.Exercise 2I Q 2, 3, 4. 7.Heron’s Formula/RuleQ 11, 13 |
| 102/05 | **SURFACE AREA***Collect and handout Area and Volume Rule Sheet*Calculating the surface area of standard and composite solids including prisms, pyramids, cones, cylinders and spheres | **SURFACE AREA**Approximating areas of irregular shapes using Simpson’s rule.Approximating areas of irregular shapes using simple shapes | MondayExercise 2IQ 14, 16, 17, 19, 22, 23 & 24Thursday Exercise 2IQ 25 , 27Introduction to Simpson’s Rule TaskExtension with Spreadsheets Q 29, 30 |
| 209/05 | **VOLUME**Calculating the volume of standard and composite solids including prisms, pyramids, cones, cylinders and spheres | **VOLUME**Calculating volume and capacity* Units and how to convert between them
* Connection between volume and capacity and conversion between them

**Problems-based skills practice**Irregular volume calculations* Prismatic model
* Conical model

**MATHEMATICAL INVESTIGATION 1****Issued** | MondayExercise 2J Q 4 a),b),c) g),h),i)Q 5 a), e), i)Q7,Q11Thursday Exercise 2JQ 16, Q17, Q19, Q21  |
| 316/05 | Scale* How does a scale factor work
* Calculating actual lengths and scaled measurements

Scale* Drawing scaled diagrams
* Determining scale factor
 | * REVISION
 | MondayExercise 2 FQ1, Q2, Q3Thursday Selected questions from Review set 2 |
| 423/05 |   TEST |  |  |