



ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Mathematics
Topic	Measurement & Surds and Indices
Class Teacher	Sood, Brown
Head Teacher	Stevenson
Year	10 Stage 5.3
Date Given	Week 7 – Friday 11/3/22
Date Due	Week 9 – Friday 25/3/22
Weighting	10%

Assessment Outline

1 period in-class Google Form Quiz – 30 Multiple Choice Questions

Topics assessed:

Measurement – Limits of Accuracy - Significant Figures - Converting Units of distance, area and volume - 3D Pythagoras Theorem - Perimeter & Area of Simple and Composite Shapes - Surface Area of Prisms, Cylinders, Pyramids, Cones and Spheres - Volume of Prisms, Cylinders, Pyramids, Cones and Spheres.

Surds & Indices – Rational & Irrational Numbers – Simplifying Surds – Multiplication & Division of Surds – Binomial Products with Surds – Rationalising Surds

Required equipment

- **Charged Laptop / Device**
- **Calculator**
- **A formula sheet will be provided to every student to use during the examination**

Course Outcomes:

MA5.3-2WM generalises mathematical ideas and techniques to analyse and solve problems efficiently

MA5.3-13MG applies formulas to find the surface areas of right pyramids, right cones, spheres and related composite solids

MA5.3-14MG applies formulas to find the volumes of right pyramids, right cones, spheres and related composite solids

MA5.3-15MG applies Pythagoras' Theorem, to solve problems, including problems involving three Dimensions

MA5.3-6NA performs operations with surds and indices

Non-completion of Task:

If you know you are going to be away on the day that the task is due, you must make alternative arrangements with your teacher beforehand. If you are suddenly away on the day that the task is due, you must contact your teacher or Head Teacher on your return to school. Documentation will be required in both cases.

Plagiarism:

Plagiarism, the using of the work of others without acknowledgement, will incur serious penalties and may result in a zero award. Any cheating will also incur penalties.

Failure to follow the above procedures may result in a zero award.

The policies and procedures that are outlined on the ROSA booklet will be followed regarding the non-completion of assessment tasks.

