ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Year 10 5.2 Mathematics
Topic	Task 1
Class Teacher	Miss Bulmer, Mr Gurjar
Head Teacher	Mrs Edwards
Year	10MA3, 10MA4
Date Given	Week 7, Term 1 2023
Date Due	22nd of March Period 2, Week 9, Term 1 2023
Weighting	20%

Assessment Outline

In Class Examination – 1 period

Assessment is an in-class exam. Students will need to bring a calculator.

Topics Covered:

- Measurement:
  - Units of measurement
  - Significant Figures
  - Scientific Notation
  - Accuracy of Measurement
  - Pythagoras Theorem
  - Perimeter
  - Area and composite area
  - Surface Area of prisms, cylinders, and composite surface area
  - Volume of prisms, cylinders, and composite shapes
  - Volume and Surface area of a sphere

- Algebraic Expressions and Indices
  - Substitution
  - Writing expressions
  - Using the four operations with algebra
  - Expanding Brackets
  - Factorising

To Bring:

- **Calculator**

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 classes.

Plagiarism:

Plagiarism, the using of the work of others without acknowledgement will incur serious penalties and may result in 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.

Outcomes Assessed

MA5.2-1WM selects appropriate notations and conventions to communicate mathematical ideas and solutions

MA5.2-2WM interprets mathematical or real-life situations, systematically applying appropriate strategies to solve problems

MA5.2-3WM constructs arguments to prove and justify results

MA5.1-9MG interprets very small and very large units of measurement

MA4-13MG uses formulas to calculate the areas of quadrilaterals and circles, and converts between units of area

MA5.1-8MG calculates the areas of composite shapes, and the surface areas of rectangular and triangular prisms

MA5.2-11MG calculates the surface areas of right prisms, cylinders and related composite solids

MA4-14MG uses formulas to calculate the volumes of prisms and cylinders, and converts between units of volume

MA5.2-12MG applies formulas to calculate the volumes of composite solids composed of right prisms and cylinders

MA4-8NA generalises number properties to operate with algebraic expressions