ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Mathematics
Topic	Pythagoras & Measurement, Algebraic Techniques, Circles
Class Teacher	Lummis, Routh, Benson, Gurjar, Giles
Head Teacher	Mrs Edwards
Year	8
Date Given	Week 4
Date Due	**Week 6**
Weighting	30%

Assessment Outline

1 period in-class examination

Topics assessed:

Pythagoras' Theorem:
- Finding the Length of the Hypotenuse
- Finding the Length of the Short Side
- Pythagorean Triads
- Testing if a Triangle has a Right-Angle

Measurement:
- Converting Units of Length & Perimeter
- Converting Units of Area
- Area of Basic and Composite Shapes
- Volume & Capacity of Prisms

Algebraic Techniques:
- Writing algebraic expressions
- Substitution
- Adding & Subtracting like terms
- Multiplying & Dividing algebraic terms
- Expanding Brackets
- Factorising Expressions
- Worded problems
- Index Laws – Multiplying, dividing, power of a power & zero index

Circles:
- Parts of the circle and Pi
- Circumference of a Circle
- Arc Length
- Perimeter of Sectors & Composite Shapes
- Area of a Circle
- Area of a Sectors & Composite Shapes
- Volume of Cylinders

Required equipment
- Black or Blue pen or pencil
- Calculator
- Formula sheet will be provided

Course Outcomes:
- **MA4-12MG** calculates the perimeters of plane shapes and the circumference of circles
- **MA4-13MG** uses formulas to calculate the areas of quadrilaterals and circles, and converts between units of area
- **MA4-14MG** uses formulas to calculate the volume of prisms and cylinders
- **MA4-16MG** applies Pythagoras' Theorem to calculate side lengths in right-angled triangles, and solves related problems.
- **MA4 8NA** generalises number properties to operate with algebraic expressions
- **MA4-9NA** operates with positive-integer and zero indices of numerical bases

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.