ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Mathematics
Topic	End of Course Examination
Class Teacher	Mrs Edwards & Ms Bulmer
Head Teacher	Mrs Edwards
Year	Year 9 5.3
Date Given	30/10/23 Week 4, Term 4
Date Due	13/11/23 Week 6, Term 4
Weighting	35%

Assessment Outline

In class examination – 90 minutes
Topics assessed:

Semester One Content:
- *Financial Mathematics*
- *Expressions and Equations*
- *Properties of Geometrical Figures*
- *Indices and Surds*

Semester Two Content:
- *Right Angled Triangles* – Pythagoras' Theorem, using trigonometry to find unknown sides and angles, angles of elevation and depression, bearings

- *Length, Surface Area and Volume*- limits of accuracy, converting units of digital information, length, area and volume, perimeter, circumference, area, surface area of prisms and pyramids, volume of prisms, surface area and volume of cylinders

- *Linear relationships*- graphing lines, midpoint, distance, gradient, x and y intercepts, gradient intercept form, general form of an equation, determining whether or not a point lies on a line, horizontal and vertical lines, perpendicular and parallel lines, point gradient formula and modelling linear relationships

- *Quadratics* – Expanding with the distributive law and expanding binomial products including perfect squares and the difference of two squares.

Required equipment
- Black or Blue pen
- Calculators

Course Outcomes:

MA5.2 – 4NA: Solves financial problems involving compound interest.
MA5.3 – 5NA: Selects and applies appropriate algebraic techniques to operate with algebraic expressions
MA5.2 – 8NA: Solves linear and simple quadratic equations, linear inequalities and linear simultaneous equations, using analytical and graphical techniques.
MA5.1 – 11MG: Describes and applies the properties of similar figures and scale drawings
MA5.2 – 14MG: Calculates the angle sum of any polygon and uses minimum conditions to prove triangles are congruent or similar
MA5.2 – 7NA: Applies index laws to operate with algebraic expressions involving integer indices
MA5.3 – 6NA: Performs operations with surds and indices
MA5.2 – 13MG: Applies trigonometry to solve problems, including problems involving bearings
MA5.2 – 11MG: Calculates the surface areas of right prisms, cylinders and related composite solids
MA5.3 – 14MG: Applies formulas to find the volume of right pyramids, right cones, spheres and related composite solids
MA5.3-8NA Uses formulas to find midpoint, gradient and distance on the Cartesian plane, and applies standard forms of the equation of a straight line
MA5.2-6NA Simplifies algebraic fractions, and expands and factorises quadratic expressions

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.