ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Year 9 Stage 5.1 Mathematics
Topic	Task 4 – End of Course Examination
Class Teacher	Ms Sood, Mr Jones, Ms Kulkarni, Ms Harris
Head Teacher	Ms Stevenson
Year	9MA5, 9MA6, 9MA7, 9MA8
Date Given	Week 3, Term 4 2019
Date Due	Week 5, Term 4 2019
Weighting	35%

Assessment Outline

In Class Examination – 2 periods (the exam will be broken into two parts to be completed over 2 lessons)

- **Semester One Content** - Financial Mathematics, Expressions & Equations, Properties of Geometrical Figures, Indices

- **Trigonometry** - Pythagoras' Theorem, SOH CAH TOA, Labelling the Sides of a Right Angled Triangle, Finding an Unknown Side, Finding an Unknown Angle, Angles of Elevation and Depression, Rounding to the Nearest Degree

- **Length, Surface Area & Volume** – Units of Measurement, Perimeter, Circumference of Circles & Sectors, Area of Plane Shapes, Circles & Sectors, Surface Area of Prisms, Volume of Right Prisms, Volume of a Cylinder

- **Linear Relationships** – Plotting Points, Table of Values, Plotting Straight Lines from a Table of Values, Midpoint

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

- **MA5.1-1WM** Uses appropriate terminology, diagrams and symbols in mathematical context
- **MA5.1-2WM** Selects and uses appropriate strategies to solve problems
- **MA5.1-3WM** Provides reasoning to support conclusions that are appropriate to the context
- **MA5.1-4NA** Solves financial problems involving earning, spending and investing money
- **MA5.1-5NA** Operates with algebraic expressions involving positive-integer and zero indices, and establishes the meaning of negative indices for numerical bases
- **MA5.1-6NA** Determines the midpoint, ~~gradient and lengths of an interval~~ and graphs linear relationships
- **MA5.1-8MG** Calculates the areas of composite shapes, and the surface areas of rectangular and triangular prisms
- **MA5.1-10MG** Applies trigonometry, given diagrams to solve problems involving angles of elevation and depression
- **MA5.1-11MG** Describes and applies the properties of similar figures and scale drawings
- **MA4-1WM** Communicates and connects mathematical ideas using appropriate terminology, diagrams and symbols
- **MA4-2WM** Applies appropriate mathematical techniques to solve problems
- **MA4-3WM** Recognises and explains mathematical relationships using reasoning
- **MA4-8NA** Generalises number properties to operate with algebraic expressions
- **MA4-10NA** Uses algebraic techniques to solve simple linear and quadratic equations
- **MA4-11NA** Creates and displays number patterns; graphs and analyses linear relationships
- **MA4-14MG** Uses formulas to calculate the volumes of prisms and cylinders, and converts between units of volume
- **MA4-16MG** Applies Pythagoras' Theorem to calculate side lengths in right-angled triangles, and solves related problems
- **MA4-17MG** Classifies, describes and uses the properties of triangles and quadrilaterals, and determines congruent triangles to find unknown side lengths and angles
- **MA4-18MG** Identifies and uses angle relationships, including those related to transversals on sets of parallel lines