ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Mathematics
Class Teacher	Ms Brown, Mrs Routh/Mr Gurjar and Mrs Sood
Head Teacher	Mrs Edwards
Year	10 5.1 **Mid Course Examination**
Date Given	Week Two May 2024.
Date Due	Week Four, May 2024
Weighting	30%

Assessment Outline
1 period in-class examination

Topics assessed:

Financial Mathematics
- Wages and Salaries
- Overtime, annual leave loading
- Calculating deductions, Taxable Income and Tax
- PAYG tax, rebates and levies
- Net pay, Buying on terms
- Simple Interest
- Compound Interest

Measurement
- Units of Measurement
- Significant Figures and Scientific Notation
- Accuracy in Measurement
- Perimeter of the plane shapes
- Area of the Triangles and Quadrilaterals, including special quadrilaterals.
- Area of a Circle, Sectors and an Annulus
- Area of composite shapes
- Surface Area of Rectangular and triangular prisms
- Volume of a Prism
- Volume of a Cylinder

Algebraic Expressions and Indices
- Terminology of algebraic expressions
- Substitution
- The four operations in Algebra – adding, subtracting, multiplying and dividing.

Course Outcomes
- MA5.1-1WM uses appropriate terminology, diagrams and symbols in mathematical contexts
- 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
- MA5.1-9MG interprets very small and very large units of measurement, uses scientific notation and rounds to significant figures

- MA4-12MG calculates the perimeters of plane shapes and the circumferences of circles
- 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
- MA4-14MG uses formulas to calculate the volumes of prisms and cylinders, and converts between units of volume
- MA4-8NA generalises number properties to operate with algebraic expressions

Required equipment
- Black or Blue pen or pencil
- Calculator

<u>Non-completion of Task:</u>
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 all cases.

<u>Plagiarism:</u>
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.

<u>Examination Structure</u>

The examination will be separated into three sections:

<u>Section 1 – Basic Understanding Grades D/E</u>
This section will contain questions requiring students to demonstrate a basic knowledge of content and understanding of course concepts, applying skills and processes in some familiar contexts.

<u>Section 1- Sound Understanding Grades B/C</u>
This section will contain questions requiring students to demonstrate sound knowledge of content and understanding of course concepts. Students will be required to solve routine problems of up to 3 steps in familiar and unfamiliar situations. They will apply some connections between concepts to attempt non-routine problems.

<u>Section 3 – High Understanding Grade A</u>
This section will contain questions requiring students to demonstrate extensive knowledge of content and understanding of course concepts and apply highly developed skills and processes in a range of contexts. Students will be required to make connections between concepts to solve problems in familiar and unfamiliar situations. They will use multiple connections between concepts to solve non routine problems.