ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

Subject	Year 9 5.2 Mathematics
Topic	Term 3 Test
Class Teacher	Stevenson, Arman/Marshall
Head Teacher	Johnston
Year	Year 9 5.2
Date Given	Week 3 Term 3 Thursday 29th July
Date Due	Week 5 Term 3 Thursday 12th August
Weighting	20%

Assessment Outline

You will be tested on the following:

PROPERTIES OF GEOMETRICAL FIGURES

- Classifying, measuring and naming angles, Angle Geometry, Angles and parallel lines, Classifying Triangles, Angle sum of a triangle, Exterior angle of a triangle, Types of Quadrilaterals, Angle sum of Polygons, Exterior angle of a convex polygon, Similar Figures, Finding unknown sides in similar triangles, Scale Factor, Congruence tests, Similarity Tests

INDICES

- Terminology, Prime Factor Trees, Index Laws for Multiplying and Dividing, The Power of a Power Law, The Zero Power Law, Index Laws Extended, The Negative Index Law, Scientific Notation, Scientific Notation Using Significant Figures

TRIGONOMETRY

- Pythagoras' Theorem: The sides of a right-angled triangle, Finding the Hypotenuse, Finding a Shorter Side
- *Further Trigonometry To Be Confirmed. Your teachers will advise closer to the date.*

You may bring a handwritten double-sided A4 sheet with notes into the test.

Outcomes assessed	
PROPERTIES OF GEOMETRICAL FIGURES	MA5.2 – 14MG: Calculates the angle sum of any polygon and uses minimum conditions to prove triangles are congruent or similar
INDICES	MA5.2 – 7NA: Applies index laws to operate with algebraic expressions involving integer indices.
TRIGONOMETRY	MA4 – 16MG: Applies Pythagoras' theorem to calculate side lengths in right-angled triangles, and solves related problems. MA5.1 – 10MG: Applies trigonometry, given diagrams, including problems involving angles or elevation and depression