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**Orange High School**

*Honour the Past, Create the Future*

**Higher School Certificate Assessment Task Notification**

**Subject: Mathematics Standard**

**Year: 11**

**Classes: Brown, Sood, Benson, Bulmer & Edwards**

**Assessment Task Number (As per Assessment Policy booklet): 2**

**Assessment Task Title: In Class Test with Notes**

**Assessment Weighting: 30%**

**Date Distributed: WEEK 7 – Tuesday 6<sup>th</sup> June, 2023**

**Date Due: WEEK 9 – Tuesday 20<sup>th</sup> June, 2023**

*All Higher School Certificate Assessment Tasks, other than in-class tasks, must be handed in at the library between 8.30am and 8.55am (before the first morning bell) on the due date. Zero marks if the Assessment Task is submitted late, unless an Illness/ Misadventure or application for extension form has been submitted.*

**You can be assessed on any of the following topics from Year 11 Standard Mathematics.**

<b>Classifying and Representing Data</b> -Collecting Data -Classifying Data -Dot Plots & Stem-and-leaf plots -Frequency & Cumulative Frequency Tables -Histograms & Polygons -Pareto Charts -Motor Vehicle Statistics -Water Usage -Misuse & Misrepresentation of Data	<b>Earning &amp; Managing Money</b> -Salaries & Wages -Annual Leave loading -Overtime and Special Allowances -Commission -Piecework, Royalties & Government Income -Allowable Tax Deductions -Taxable Income -Calculating Tax	<b>Measurement &amp; Energy</b> -Units of Measurement -Measurement Errors -Scientific Notation -Significant Figures -Food & Nutrition -Energy Consumption	<b>Exploring &amp; Describing Data</b> -Mean, Mode, Median & Range -Interquartile Range -Standard Deviation -Outliers -Describing & Comparing Distributions -Boxplots -Parallel Boxplots	<b>Perimeter, Area &amp; Volume</b> -Pythagoras' Theorem -Area of Simple & Composite Shapes -Trapezoidal Rule -Surface Area of Prisms, Cylinders & Spheres
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**You will be provided with the Standard NESAS Formula Sheet.**

**Please bring a calculator, black pen and a double-sided A4 page of hand-written notes (no photocopies permitted).**

**Syllabus Outcomes:**

- MS11-2 represents information in symbolic, graphical and tabular form
- MS11-3 solves problems involving quantity measurement, including accuracy and the choice of relevant units
- MA511-4 performs calculations in relation to two-dimensional figures
- MS11-5: models relevant financial situations using appropriate tools
- MS11-6: makes predictions about everyday situations based on simple mathematical models
- MS11-7 develops and carries out simple statistical processes to answer questions posed
- MS11-9 uses appropriate technology to investigate, organise and interpret information in a range of contexts
- MS11-10 justifies a response to a given problem using appropriate mathematical terminology and/or calculations

**Assessment Criteria/Marking Rubric:**

Marks for each question will be clearly shown next to each question in the test paper.