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Orange High School

Honour the Past, Create the Future

Higher School Certificate Assessment Task Notification

Subject: Mathematics Standard 2

Year: 12

Assessment Task Number (As per Assessment Policy booklet): 3

Classes: Stevenson, Oh, Brown & Sood

Assessment Task Title: 90 Minute In Class Examination

Assessment Weighting: 25%

Date Distributed: WEEK 3 - Monday 9th May, 2022

Date Due: WEEK 5 - Monday 23rd May, 2022

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 and Year 12 Standard 2 Mathematics.

Year 11 Content: Formula and Equations, Classifying and Representing Data, Earning and Managing Money, Measurement and Energy, Exploring and Describing Data, Perimeter Area and Volume, Linear Relationships, Interest and Depreciation, Relative Frequency and Probability, Working with Time, Budgeting and Household Expenses.

Rates and Ratios	Bivariate Data Analysis	Investments and Loans	Non Right Angled Trigonometry	Simultaneous Linear Equations	Network Concepts
-Rates & Concentrations -Unit Pricing -Heart Rate -Energy Rate -Capture Recapture -Ratios -Dividing into a given Ratio -Scale Drawings -Plans & Elevations -Perimeter & Area -Estimating Volume	-Bivariate Scatterplots -Independent & Dependent Variables -Pearson's Correlation Coefficient -Line of Best Fit -Least Squares Line of Best Fit -Interpolation & Extrapolation -Statistical Investigations & Causality	-Future Value -Simple & Compound Graphs -Appreciation & Inflation -Shares & Dividends -Shares Tables & Graphs -Declining Balance Depreciation -Reducing Balance Loans -Credit Cards, Fees, Charges & Statements	-Right Angled Trigonometry -Angles of Elevation & Depression -Compass & True Bearings -Trigonometry with Obtuse Angles -Area of a Triangle -The Sine Rule -The Cosine Rule -Radial Surveys	-Graphing from a Table & Gradient Intercept Form -Applications of Linear Functions & Linear Modelling -Direct Variation -Solving Simultaneous Equations using the Graphical, Substitution & Elimination Methods -Break Even Analysis	-Network Problems & Terminology -Travelling a Network -Connected & Isomorphic Graphs -Drawing Networks -Network Problems -Spanning Trees -Minimum Spanning Trees & Prim's Algorithm -Connector Problems -Shortest Path

You will be provided with the Standard 2 NESA Formula Sheet. Please bring a calculator and blue/black pen or pencil.

Activities such as work placement, sporting commitments, excursions etc. do not provide grounds for completing the task late unless exceptional circumstances exist:

- Students need to communicate with the Head Teacher to organize a time to complete the task before the test date.
- Documentation for the change of date needs to be completed before the test.

Syllabus Outcomes:

MS11-1, MS11-2, MS11-3, MS11-4, MS11-5, MS11-6, MS11-7, MS11-8, MS11-9, MS11-10, MS2-12-1, MS2-12-2, MS2-12-3, MS2-12-4, MS2-12-5, MS2-12-6, MS2-12-7, MS2-12-8, MS2-12-10

Assessment Criteria/Marking Rubric:

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