Year 12 Standard 1 Mathematics

Assessment Task 2 – 2024

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| **TOPICS**: Financial Mathematics  Statistical Analysis | **MARKS:**  **40** |
| **SUBMISSION REQUIREMENTS:**  Examination in class **Friday** **15th March 2024 Week 7** | **WEIGHTING: 30 %** |
| **OUTCOMES TO BE ASSESSED:**  MS1-12-2 **Analyses** representations of data in order to make predictions and **draw** **conclusions.**  MS1-12-5 **Makes** informed decisions about financial situations likely to be encountered post-school.  MS1-12-7 **Solves** problems requiring statistical processes. | |
| **Directional Verbs:**  **Analyse** - identify components and the relationship between them, draw out and relate implications.  **Make** - construct and put together items/arguments.  **Draw conclusions** - deduce.  **Solves** - find an answer to. | |
| **TASK DESCRIPTION:**  In class test consisting of:  Section 1- Financial Maths (20 marks)   * Questions 1-5 [multiple choice totalling 5 marks of the total marks] * Questions 6-10 [short answer questions totalling 15 marks of the total marks]   Section 2 – Further Statistical Analysis (20 marks)   * Questions 1-5 [multiple choice totalling 5 marks of the total marks] * Questions 6-9 [short answer questions totalling 15 marks of the total marks]   The test will be for **50 minutes**.  Equipment required:  **NESA approved Calculator - Ruler - Pen - Pencil - Eraser**  You are encouraged to revise the following concepts learnt in class. Revision sheets will be given to assist you in studying prior to the exam.   |  |  | | --- | --- | | **Financial Maths** | **Further Statistical Analysis** | | * Simple Interest * Simple Interest Graph * Compound Interest – Present Value/Future Value * Appreciation/Inflation | * Constructing and using a bivariate scatter plot * Lines of best fit * Interpolation and Extrapolation | | |
| **ASSESSMENT CRITERIA:**  Show relevant mathematical working, reasoning and/or calculations. | |