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.

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| **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
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| **ASSESSMENT CRITERIA:** Show relevant mathematical working, reasoning and/or calculations. |