



# JOHN EDMONDSON HIGH SCHOOL

## Assessment Notification

Faculty: Mathematics

Course: Mathematics Standard

Year: 11

Assessment Task: 2

Assessment Weighting: 40%

Due: Term 2, Week 7

Date: Monday 5<sup>th</sup> June 2022

Task Type: Hand in Task  In Class Task  Practical Task

|   |
|---|
| <b>Outcomes assessed (NESA)</b>   |
| MS11-2, MS11-3, MS11-4, MS11-5, MS11-6, MS11-8, MS11-9, MS11-10<br>PLEASE NOTE: further information about these outcome codes can be found on the NESA Website  |
| <b>Task Description/Overview</b>  |
| This in class written examination will consist of multiple-choice questions and short-answer questions<br>Time allowed: 90 Minutes (within 2 Periods)<br>Equipment Required: Black Pen(s), a ruler and a NESA approved calculator<br><br>A reference sheet will be provided   |
| <b>Detailed Assessment Task Description</b>   |
| The following three topics will be examined:<br><br><b>1. Earning and Managing Money (Chapter 2)</b><br>Examination questions may require students to: calculate payments from an annual salary, calculate wages from an hourly rate, calculate wages involving overtime rates and allowances, calculate annual leave loading and bonuses, calculate earnings based on commission, piecework and royalties, identify allowable tax deductions for different scenarios, calculate the taxable income, calculate net pay after deductions are made from gross pay, calculate the Medicare levy, determine the PAYE tax payable or refund owing<br><br><b>2. Measurement and Energy (Chapter 4)</b><br>Examination questions may require students to: use different units of measurement and their conversions, calculate the absolute and percentage error in a measurement, use scientific notation and standard prefixes in the context of measurement, express numbers to a certain number of significant figures, use units of energy and mass related to food and nutrition, use units of energy to describe consumption of electricity, investigate common appliances in terms of energy consumption<br><br><b>3. Relative Frequency and Probability (Chapter 5)</b><br>Examination questions may require students to: understand and use the language associated with probability, understand and apply the definition of probability, calculate probabilities using fractions, decimals and percentages, use tables or tree diagrams to determine the outcomes for a multistage event, demonstrate the range of possible probabilities, identify and use the complement of an event, calculate and use relative frequencies to estimate probabilities, calculate the expected frequency of future events, predict by calculation the number of people of each blood type in a population.<br><br><b>PLEASE NOTE:</b> Students must also refer to the individual Topic Overviews published on CANVAS for a detailed discription of the content that may be included in this assessment task. |

| <b>Test/Examination Structure</b>                                       |                        |
|---|------------------------|
| <b>Section Description</b>  | <b>Marks Available</b> |
| 10 Multiple Choice Questions  | 10                     |
| Short Answer Questions – Earning and Managing Money (Chapter 2)         | 17                     |
| Short Answer Questions – Measurement and Energy (Chapter 4)             | 15                     |
| Short Answer Questions – Relative Frequency and Probability (Chapter 5) | 18                     |
| <b>Total Marks for this task</b>  | <b>60</b>              |

**Satisfactory completion of courses**

A course has been satisfactorily completed, when the student has:

- Followed the course developed/endorsed by the NSW Educational Standards Authority (NESA)
- Applied himself/herself with diligence and sustained effort to the set tasks and experiences provided in the course
- Achieved some or all of the course outcomes