



# JOHN EDMONDSON HIGH SCHOOL

## Assessment Notification

Faculty: Mathematics Course: Mathematics Standard 2 Year: 12

Assessment Task: 2

Assessment Weighting: 30% Due: Term 1, Week 11 Date: Monday 03 April 2023

Task Type: Hand in Task  In Class Task  Practical Task

<b>Outcomes Assessed (NESA)</b>
<b>MS11-3, MS 11-4, MS11-10, MS2-12-1, MS2-12-2, MS2-12-6 MS2-12-7, MS2-12-10</b>
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 short answer questions A Mathematics Standard 2 Reference Sheet will be provided Time allowed: 45 minutes Equipment Required: Black Pen(s), a NESA approved calculator and ruler
<b>Detailed Assessment Task Description</b>
Topics to be assessed will be:  <b>Working with Time:</b> Examination questions may require students to convert units of time including 12-hour and 24-hour clocks, interpret timetables and use them to solve problems, locate positions on the Earth's surface using latitude and longitude, find time differences between two places on Earth using time zones, solve problems involving Coordinated Universal Time and the International Date Line, solve practical problems using time zones in Australia and in neighbouring nations.  <b>Simultaneous linear equations:</b> Examination questions may require students to graph linear functions, interpret linear functions as models of physical phenomena, develop linear equations from descriptions of situations, solve a pair of simultaneous linear equations using graphical methods, find the point of intersection between two straight-line graphs, develop a pair of simultaneous linear equations to model a practical situation, solve practical problems by modelling with a pair of simultaneous linear functions, apply break-even analysis to solve simple problems.  <b>Non-linear Relationships:</b> Examination questions may require students to graph and recognise a exponential functions, construct and analyse exponential models to solve practical problems, graph and recognise quadratic functions, recognise the shape of a parabola and its key features, construct and analyse quadratic models to solve practical problems, graph and recognise reciprocal functions, recognise the shape of a hyperbola and its key features, construct and analyse a reciprocal model to solve practical problems.  Please Note: More detailed topic overviews are published on CANVAS

<b>Examination Structure</b>	
<b>Section Description</b>	<b>Marks Available</b>
Working with Time	10
Simultaneous linear equations	10
Non-linear Relationships	10
<b>Total Marks for this task</b>	<b>30</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