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Formula and Equations (MS- A1)

2

ALGEBRA:

Year 11 Mathematics Standard Scope & Sequence - 2022

8

Head Teacher: Mrs J. O'Neill

Linear Relationships (MS-A2)

9

ALGEBRA:

10

11

STEM Faculty

5

FINANCIAL MATHEMATICS:

Money Matters (MS-F1.1 & MS-F1.2)

4

TERM 1	 Review sub subject of formal subject of	beed, distance, a d solve linear equ nd interpret blood	mula, changing nd time. uations d alcohol es for children	 Solve probl Calculate si Calculate si Use spread relations in Calculate value periods Calculate in 	ems involving god imple interest for traight-line depre sheets to calcula volving simple interious types of ea accome tax, includitiogy to perform fi	ods and services different rates ar ciation te and graph recu terest arnings over diffe	nd periods urrence rent time find net pay	 MS11-1, MS11-2, MS11-6 MS11-9, MS11-10 Model, analyse and solve problems involving linear relations, including construction and features of straight-line graphs Construct and analyse linear model, graphically and algebraically, to solve direct variation problems 				
							Assignment 30 %					
TERM 2	1 2 3 4 5 6 STATISTICAL ANALYSIS: Data Analysis (MS-S1) MS11-2, MS11-7, MS11-9, MS11-10 - Collect data from a population or sample, and describe distinguishing features - Classify data relating to a single random variable - Organise, display, interpret, and compare data into appropriate tabular and/or graphical representations - Summarised grouped and ungrouped data through appropriate graphs and summary statistics - Investigate the effect of outliers & investigate real-world data examples from the media - Describe, compare, and interpret distributions of graphical displays and report on the findings - Construct and compare parallel box and whisker plots							MEASUREMENT: Applications of Measurement (MS-M1.1 & MS-M1.3) MS11-3, MS11-4, MS11-9, MS11-10 - Review metric measurements, including area, mass and energy, take measurement and calculate - Calculate absolute error of a reported measurement using precision calculations - Use standard form and standard prefixes in context, with and without significant figures - Solve problems related to food, nutrition, and energy expended - Solve problems related to consumption of electricity				

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	1	2	3	4	5	6	7	8	9	10	
	MEASURMEN	MEASURMENT:			ANALYSIS:	MEASUREMEN	MEASUREMENT:				
	Perimeter, Are	Perimeter, Area and Volume (MS-M1.2)			Relative Frequency and		Working with Time (MS-			Working with	
	MS11-3, MS11-	MS11-3, MS11-4, MS11-9, MS11-10			Probability (MS-S2)		M2)				
					MS11-8, MS11-9, MS11-10		MS11-3, MS11-4, MS11-9,				
	 Solve practical problems involving 					MS11-10				MS11-9, MS11-10	
3	•	perimeter and areas of triangles			 Determine probabilities 				EXAMINATIONS		
TERM		Surface area, volume, and capacity			associated with simple		 Position on the Earth's 				
		calculations for a range of solids			games or experiments - Use arrays & tree		surface				
'	technology	 Use the Trapezoidal Rule with and without technology 				Calculate time differences		!			
		Solve measurement problems in a variety			diagrams for multistage events		around the world		!		
		of contexts.			Solve problems in a						
					variety of contexts						
			T	-				Examination			
								35 %			
	1 1		T 2				7			10	
	FINIANCIAL M	<u>2</u> ATHEMATICS:	3	4	5	6	7	8	9	10	
	_		r =1 0\								
		Budgeting and Expenses (MS-F1.3) MS11-2, MS11-5, MS11-6, MS11-9, MS11-10									
	141311-2, 141311	-3, M311-0, M31	1-9, 141511-10								
	_ Interpret ho	ousehold bills									
7	· ·	e purchase of a c	ar. including	Year 12 Standard 1 and Year 12 Standard 2 courses commence Refer to Year 12 Scope and Sequence documents for 2023							
Σ		ongoing costs	, 3								
TERM	 Prepare a p 	ersonal budget f	or a given								
	income										