

Mathematics Standard Stage 6

Year 11 (120 hours)			Year 12 (120 hours)		
Subtopic	Content		Course	Subtopic	Content
Topic:			Algebra		
<i>Mathematics Standard</i>			<i>Mathematics Standard 1</i>		
MS-A1	Formulae and Equations			MS-A3	Types of Relationships A3.1 Simultaneous linear equations A3.2 Graphs of practical situations
MS-A2	Linear Relationships				
			<i>Mathematics Standard 2</i>		
				MS-A4	Types of Relationships A4.1 Simultaneous linear equations A4.2 Non-Linear relationships
Topic:			Measurement		
<i>Mathematics Standard</i>			<i>Mathematics Standard 1</i>		
MS-M1	Applications of Measurement M1.1 Practicalities of measurement M1.2 Perimeter, area and volume M1.3 Units of energy and mass			MS-M3	Right-angled Triangles
MS-M2	Working with Time			MS-M4	Rates
				MS-M5	Scale Drawings
			<i>Mathematics Standard 2</i>		
				MS-M6	Non-right-angled Trigonometry
				MS-M7	Rates and Ratios
Topic:			Financial Mathematics		
<i>Mathematics Standard</i>			<i>Mathematics Standard 1</i>		
MS-F1	Money Matters F1.1 Interest and depreciation F1.2 Earning and managing money F1.3 Budgeting and household expenses			MS-F2	Investment
				MS-F3	Depreciation and Loans
			<i>Mathematics Standard 2</i>		
				MS-F4	Investments and Loans F4.1 Investments F4.2 Depreciation and loans
				MS-F5	Annuities
Topic:			Statistical Analysis		
<i>Mathematics Standard</i>			<i>Mathematics Standard 1</i>		
MS-S1	Data Analysis S1.1 Classifying and representing data (grouped and ungrouped) S1.2 Exploring and describing data arising from a single continuous variable			MS-S3	Further Statistical Analysis S3.1 The statistical investigation process for a survey S3.2 Exploring and describing data arising from two quantitative variables
MS-S2	Relative Frequency and Probability				
			<i>Mathematics Standard 2</i>		
				MS-S4	Bivariate Data Analysis
				MS-S5	The Normal Distribution
Topic:			Networks		
			<i>Mathematics Standard 1</i>		
				MS-N1	Networks and Paths N1.1 Networks N1.2 Shortest paths
			<i>Mathematics Standard 2</i>		
				MS-N2	Network Concepts N2.1 Networks N2.2 Shortest paths
				MS-N3	Critical Path Analysis

Based on *Mathematics Standard Stage Syllabus, NESA, 2017.*

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Topic: Algebra					
<i>Mathematics Standard</i>			<i>Mathematics Standard 1</i>		
MS-A1	Formulae and Equations			MS-A3	Types of Relationships
				A3.1	Simultaneous linear equations
				A3.2	Graphs of practical situations
MS-A2	Linear Relationships		<i>Mathematics Standard 2</i>		
				MS-A4	Types of Relationships
				A4.1	Simultaneous linear equations
				A4.2	Non-Linear relationships
Topic: Measurement					
<i>Mathematics Standard</i>			<i>Mathematics Standard 1</i>		
MS-M1	Applications of Measurement			MS-M3	Right-angled Triangles
	M1.1	Practicalities of measurement			
	M1.2	Perimeter, area and volume			
	M1.3	Units of energy and mass			
MS-M2	Working with Time			MS-M4	Rates
				MS-M5	Scale Drawings
			<i>Mathematics Standard 2</i>		
				MS-M6	Non-right-angled Trigonometry
				MS-M7	Rates and Ratios
Topic: Financial Mathematics					
<i>Mathematics Standard</i>			<i>Mathematics Standard 1</i>		
MS-F1	Money Matters			MS-F2	Investment
	F1.1	Interest and depreciation			
	F1.2	Earning and managing money			
	F1.3	Budgeting and household expenses		MS-F3	Depreciation and Loans
				MS-F4	Investments and Loans
				F4.1	Investments
				F4.2	Depreciation and loans
				MS-F5	Annuities
<i>Mathematics Standard</i>			<i>Mathematics Standard 2</i>		
Topic: Statistical Analysis					
<i>Mathematics Standard</i>			<i>Mathematics Standard 1</i>		
MS-S1	Data Analysis			MS-S3	Further Statistical Analysis
	S1.1	Classifying and representing data (grouped and ungrouped)		S3.1	The statistical investigation process for a survey
	S1.2	Exploring and describing data arising from a single continuous variable		S3.2	Exploring and describing data arising from two quantitative variables
MS-S2	Relative Frequency and Probability				
			<i>Mathematics Standard 2</i>		
				MS-S4	Bivariate Data Analysis
				MS-S5	The Normal Distribution
Topic: Networks					
			<i>Mathematics Standard 1</i>		
				MS-N1	Networks and Paths
				N1.1	Networks
				N1.2	Shortest paths
			<i>Mathematics Standard 2</i>		
				MS-N2	Network Concepts
				N2.1	Networks
				N2.2	Shortest paths
				MS-N3	Critical Path Analysis

Highlights reflect a name change (without any reference to the underlying content)

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2016 DRAFT Mathematics General Stage 6 2016 DRAFT

Year 11		Year 12	
Topic	Content	Course	Topic Content
Strand: Algebra			
(35 hours)	MG-A1 Formulae and Equations	<i>Mathematics General 1</i>	(25 hours) MG-A3 Types of Relationships A3.1 Solutions of Linear Relationships A3.2 Non-Linear Relationships A3.3 Modelling Relationships
	MG-A2 Linear Relationships	<i>Mathematics General 2</i>	(25 hours) MG-A4 Types of Relationships A4.1 Solutions of Linear Relationships A4.2 Non-Linear Relationships
Strand: Measurement			
(30 hours)	MG-M1 Applications of Measurement M1.1 Practicalities of measurement M1.2 Perimeter, area and volume M1.3 Units of energy and mass	<i>Mathematics General 1</i>	(30 hours) MG-M3 Right-angled Triangles
	MG-M2 Global Navigation	<i>Mathematics General 2</i>	(25 hours) MG-M4 Rates MG-M5 Scale Drawings MG-M6 Non-Right-angled Trigonometry MG-M7 Rates and Ratios
Strand: Financial Mathematics			
(25 hours)	MG-F1 Money Matters F1.1 Interest and Depreciation F1.2 Earning and Managing Money F1.3 Budgeting	<i>Mathematics General 1</i>	(20 hours) MG-F2 Investment
		<i>Mathematics General 2</i>	(25 hours) MG-F3 Depreciation and Loans MG-F4 Investments and Loans F4.1 Investments F4.2 Depreciation and Loans MG-F5 Annuities
Strand: Statistical Analysis			
(30 hours)	MG-S1 Data Analysis S1.1 Classifying and Representing Data S1.2 Univariate Data Analysis	<i>Mathematics General 1</i>	(25 hours) MG-S3 Further Statistical Analysis S3.1 The Statistical Investigation Process S3.2 Working with Statistics
	MG-S2 Relative Frequency and Probability	<i>Mathematics General 2</i>	(25 hours) MG-S4 Bivariate Data Analysis MG-S5 Times Series Analysis MG-S6 Relative Measure
Strand: Networks			
		<i>Mathematics General 1</i>	(20 hours) MG-N1 Networks and Paths N1.1 Networks N1.2 Shortest Paths
		<i>Mathematics General 2</i>	(20 hours) MG-N2 Network Concepts N2.1 Networks N2.2 Shortest Paths MG-N3 Critical Path Analysis

Based on Mathematics General Stage 6 Draft Syllabus for consultation
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