

<b>COURSE</b>			<b>Mathematics Standard Year 11</b>		
<b>TOPIC</b>			<b>Algebra</b>		
SUBTOPIC	MS-A1	Formulae and equations			
	<b>AM1</b>	Algebraic manipulation			
	<b>AM3</b>	Further algebraic skills and techniques			
SUBTOPIC	MS-A2	Linear Relationships			
	<b>AM2</b>	Interpreting linear relationships			
	<b>AM4</b>	Modelling linear relationships			
<b>TOPIC</b>			<b>Measurement</b>		
SUBTOPIC	MS-M1	Applications of Measurement			
CONTENT	M1.1	Practicalities of measurement			
	<b>MM1</b>	Units of measurement and applications			
	<b>MM4</b>	Further applications of area and volume			
	<b>NEW</b>				
CONTENT	M1.2	Perimeter, area and volume			
	<b>MM2</b>	Applications of perimeter, area and volume			
	<b>MM4</b>	Further applications of area and volume			
	<b>NEW</b>				
CONTENT	M1.3	Units of energy and mass			
	<b>MM2</b>	Applications of perimeter, area and volume			
	<b>FSHe</b>	Mathematics and Health			
	<b>FSRe</b>	Mathematics and Resources			
	<b>NEW</b>				
SUBTOPIC	MS-M2	Working with Time			
	<b>MM6</b>	Spherical geometry			
	<b>NEW</b>				
<b>TOPIC</b>			<b>Financial Mathematics</b>		

SUBTOPIC	MS-F1	Money Matters
CONTENT	F1.1	Interest and depreciation
	<b>FM2</b>	Investing money
	<b>FM3</b>	Taxation
	<b>FSDr</b>	Mathematics and Driving
	<b>NEW</b>	
CONTENT	F1.2	Earning and managing money
	<b>FM1</b>	Earning and managing money
	<b>FM3</b>	Taxation
CONTENT	F1.3	Budgeting and household expenses
	<b>FSDr</b>	Mathematics and Driving
	<b>FSRe</b>	Mathematics and Resources
	<b>FSHo</b>	Mathematics and Household Finance
	<b>FSPe</b>	Mathematics and Personal Resource Usage
	<b>NEW</b>	
<b>TOPIC</b>	<b>Statistical Analysis</b>	
SUBTOPIC	MS-S1	Data Analysis
CONTENT	S1.1	Classifying and representing data (grouped and ungrouped)
	<b>DS1</b>	Statistics and society, data collection and sampling
	<b>DS2</b>	Displaying and interpreting single data sets
	<b>DS4</b>	Interpreting sets of data
	<b>NEW</b>	
CONTENT	S1.2	Exploring and describing data arising from a single continuous variable
	<b>DS2</b>	Displaying and interpreting single data sets
	<b>DS3</b>	Summary statistics
	<b>DS4</b>	Interpreting sets of data
	<b>DS4CEC</b>	Distributions

	<b>NEW</b>	
SUBTOPIC	MS-S2	Relative Frequency and Probability
	<b>PB1</b>	Relative frequency and probability
	<b>PB2</b>	Multistage events and applications of probability
<b>COURSE Mathematics Standard 2 Year 12</b>		
<b>TOPIC</b>	<b>Algebra</b>	
SUBTOPIC	MS-A4	Types of Relationships
CONTENT	A4.1	Simultaneous linear equations
	<b>AM2</b>	Interpreting linear relationships
	<b>AM4</b>	Modelling linear relationships
CONTENT	A4.2	Non-linear relationships
	<b>AM5</b>	Modelling non-linear relationships
	<b>NEW</b>	
<b>TOPIC</b>	<b>Measurement</b>	
SUBTOPIC	MS-M6	Non-right-angled Trigonometry
	<b>MM3</b>	Similarity of two-dimensional figures, right-angled triangles
	<b>MM5</b>	Applications of trigonometry
SUBTOPIC	MS-M7	Rates and Ratios
	<b>MM1</b>	Units of measurement and applications
	<b>MM3</b>	Similarity of two-dimensional figures, right-angled triangles
	<b>FSRe</b>	Mathematics and Resources
	<b>FSHu</b>	Mathematics and the Human Body
	<b>FSDr</b>	Mathematics and Driving
	<b>FSDe</b>	Mathematics and Design
	<b>FSPe</b>	Mathematics and Personal Resource Usage
<b>TOPIC</b>	<b>Financial Mathematics</b>	
SUBTOPIC	MS-F4	Investments and Loans

CONTENT	F4.1	Investments
	<b>FM2</b>	Investing money
	<b>FM3</b>	Taxation
CONTENT	F4.2	Depreciation and loans
	<b>FM4CEC</b>	Credit cards
	<b>FSDr</b>	Mathematics and Driving
	<b>NEW</b>	
SUBTOPIC	MS-F5	Annuities
	<b>FM2</b>	Investing money
	<b>FM5</b>	Annuities and loan repayments
	<b>NEW</b>	
<b>TOPIC Statistical Analysis</b>		
SUBTOPIC	MS-S4	Bivariate Data Analysis
	<b>DS1</b>	Statistics and society, data collection and sampling
	<b>FSHe</b>	Mathematics and Health
SUBTOPIC	MS-S5	The Normal Distribution
	<b>DS5</b>	The normal distribution
<b>TOPIC Networks</b>		
SUBTOPIC	MS-N2	Network Concepts
CONTENT	N2.1	Networks
	<b>NEW</b>	
CONTENT	N2.2	Shortest paths
	<b>NEW</b>	
SUBTOPIC	MS-N3	Critical Path Analysis
	<b>NEW</b>	

**COURSE Mathematics Standard 1 Year 12**

<b>TOPIC</b>		<b>Algebra</b>
SUBTOPIC	MS-A3	Types of Relationships
CONTENT	A3.1	Simultaneous linear equations
	<b>AM2</b>	Interpreting linear relationships
	<b>AM4CEC</b>	Modelling with functions
CONTENT	A3.2	Graphs of practical situations
	<b>AM4CEC</b>	Modelling with functions
	<b>NEW</b>	

<b>TOPIC</b>		<b>Measurement</b>
SUBTOPIC	MS-M3	Right-angled Triangles
	<b>MM3</b>	Similarity of two-dimensional figures, right-angled triangles
	<b>MM5</b>	Applications of trigonometry
SUBTOPIC	MS-M4	Rates
	<b>MM1</b>	Units of measurement and applications
	<b>FSDr</b>	Mathematics and Driving
	<b>FSHu</b>	Mathematics and the Human Body
SUBTOPIC	MS-M5	Scale Drawings
	<b>MM1</b>	Units of measurement and applications
	<b>MM3</b>	Similarity of two-dimensional figures, right-angled triangles
	<b>FSDe</b>	Mathematics and Design
	<b>FSPe</b>	Mathematics and Personal Resource Usage
	<b>FSHo</b>	Mathematics and Household Finance

<b>TOPIC</b>		<b>Financial Mathematics</b>
SUBTOPIC	MS-F2	Investment
	<b>FM2</b>	Investing money
SUBTOPIC	MS-F3	Depreciation and Loans

	<b>FM4CEC</b>	Credit cards
	<b>FSDr</b>	Mathematics and Driving
<b>TOPIC Statistical Analysis</b>		
SUBTOPIC	MS-S3	Further Statistical Analysis
CONTENT	S3.1	The statistical investigation process for a survey
	<b>DS1</b>	Statistics and society, data collection and sampling
CONTENT	S3.2	Exploring and describing data arising from two quantitative variables
	<b>FSh</b>	Mathematics and Health
	<b>FShu</b>	Mathematics and the Human Body
<b>TOPIC Networks</b>		
SUBTOPIC	MS-N1	Networks and Paths
CONTENT	N1.1	Networks
	<b>NEW</b>	
CONTENT	N1.2	Shortest paths
	<b>NEW</b>	

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

This is not an authorised NESA document. It was developed for the purposes of planning.

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