YEARLY PROGRAM OUTLINE GRADE 11 ADVANCED MATHEMATICS TERM 1 – 4 CONTENT DISTRIBUTION

TERM	STRAND	CONTENT STANDARDS (CODING)	UNITS	TOPICS	BENCH MARK (CODING)	NUMBER OF BENCH MARK PER TERM
	s			The real number system		
1	Numbers, Operations and Computation	11.1.1	Numeracy	Surds	11.1.1.1	3
				Recurring and Non-Recurring Decimals		
	Nu Dpe			Indices	11.1.1.2	
	0 0			Logarithm	11.1.1.3	
			Measurement	Conversion, Scales and dials	11.2.2.1	14
				Length, Mass and Capacity	11.2.2.2	
					11.2.2.3	
				Application of Trigonometry	11.2.2.4	
			Trigonometry		11.2.2.5	
	E		,		11.2.2.6	
	nati			Three-Dimensional application of Trigonometry	11.2.2.7	
	nsforı			Definition and representation of vectors	11.2.2.8	
	and Tra	and Tra	Vectors	Arithmetic operations on vectors	11.2.2.9	
2	ements	11.2.2		Velocity vectors	11.2.2.10	14
	Measur		Angles and Polygons Geometry Circle geometry	11.2.2.11		
	Geometry, Measurements and Transformation			Geometric Proofs	11.2.2.12	
					11.2.2.13	
				Circle geometry	11.2.2.14	

					11.3.3.1	_
	Factorization	1	Eastorization	Factorization of Algebraic Expressions	11.3.3.2	
			11.3.3.3			
				Algebraic Fractions	11.3.3.4	
3			5	Quadratic Equations with (a) not equal 1		
			Equations and Inequalities	Solutions To Simultaneous Equations	11.3.3.5	
			mequanties	Inequalities	<u> </u>	
	bra			Gradient of straight line	11.3.3.6	
	Alge		Linear Functions	Parallel and Perpendicular lines	11.3.3.7	
	and	11.3.3		Distance of a point from a line	11.3.3.8	15
	terns	Patterns and Algebra 8:0:11		Relations and Functions	11.3.3.9	
	Pat		Functions and Graphs	Domain and Range of a function	11.3.3.10	
				Absolute Value Functions	11.3.3.11	
				Linear, Quadratic and Exponential equations and Inequalities	11.3.3.12	
				Absolute Value Function		
				Sketches of hyperbolic, exponential, Logarithmic functions and Asymptotes	11.3.3.13	
				Circles on Cartesian Plane	11.3.3.14	
				Equation of Circles in Standard Form	11.3.3.15	
				Collecting and Organizing Data	11.4.41	
	nd Probability	11.4.4	Data Analysis	Measure of Central Tendency	11.4.4.2	8
				Measure of dispersion		
4				Shape of distributions	11.4.4.3	
	tics aı			Sets and Elements	11.4.4.4	
	tatist	<u> </u>	Subsets and Venn Diagrams	11.4.4.5		
				Universal and complimentary sets	11.4.4.6	

	Theoretical and Experimental Probabilities	11.4.4.7
	Mutually and non-mutually exclusive events	
	Independent and dependent Events and Conditional Probability	11.4.4.8