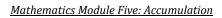
LAYING THE FOUNDATION / COMMON CORE STANDARDS CROSSWALK LTF Mathematics - Level Two Modules 5-8





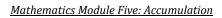
LAYING THE FOUNDATION / COMMON CORE STANDARDS CROSSWALK LTF Mathematics – Module Five

Grade/ Course	Lesson Title	Middle Grad	des	High Schoo	bl	Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Middle Grades	CAN YOU "HAND'LE" This Area?	Geometry Statistics and Probability	6.G.1 7.G.6 6.SP.3			Accumulation Free Response Accumulation Multiple Choice Quiz
Middle Grades	SHOE PRINT, TRAPEZOIDS, AND AREA	Geometry	6.G.1 7.G.6			Accumulation Free Response Accumulation Multiple Choice Quiz
Middle Grades	A'PEELING PROBLEM	Geometry	6.G.4 7.G.6 8.G.9			Accumulation Free Response Accumulation Multiple Choice Quiz
		Expressions and Equations	7.EE.4			
Algebra I	Investigating Area Under a Curve	Geometry	6.G.1	Functions: Interpreting Functions	F-IF.2	Accumulation Free Response Accumulation Multiple Choice Quiz
				Geometry: Expressing Geometric Properties with Equations	G-GPE.7	





Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Algebra I	Amusement Park Problem	Ratios and Proportional Relationships	6.RP.3.d 7.RP.1	Functions: Interpreting Functions	F-IF.5 F-IF.6	Accumulation Free Response
		Geometry	6.G.1 7.G.6	Number and Quantity: The Real Number System	N-Q.2 N-Q.3	Accumulation Multiple Choice Quiz
		Ratios and Proportional Relationships	7.RP.1			
		Expressions and Equations Functions	7.EE.3 8.F.1 8.F.2 8.F.5			
Geometry	ACCUMULATION (GE)			Number and Quantity: The Real Number System	N-Q.1	Accumulation Free Response Accumulation Multiple Choice Quiz
				Algebra: Reasoning with Equations and Inequalities	A-REI.10	
				Functions: Interpreting Functions	F-IF.2 F-IF.4 F-IF.5 F-IF.7.b F-IF.7.c	
				Geometry: Modeling with Geometry	G-MG.1	
				Statistics and Probability: Interpreting Categorical and Quantitative Data	S-ID.1	





Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Geometry	ADAPTATION OF 2003 AB3	Geometry	6.G.1 7.G.6	Algebra: Creating Equations	A-CED.1	Accumulation Free Response Accumulation Multiple
		Functions	8.F.4	Functions: Interpreting Functions	F-IF.4	Choice Quiz
Algebra II	ACCUMULATION WITH			Algebra: Creating Equations	A-CED.2	Accumulation Free Response
	FUNCTION			Functions: Building Functions	F-BF.2	Accumulation Multiple Choice Quiz
				Geometry: Modeling with Geometry	G-MG.2	
Pre- Calculus	ACCUMULATION (PC)			Algebra: Reasoning with Equations and Inequalities	A-REI.10	Accumulation Free Response
				Algebra: Creating Equations	A-CED.2	Accumulation Multiple Choice Quiz
				Number and Quantity: The Real Number System	N-Q.1	
				Geometry: Expressing Geometric Properties with Equations	G-GPE.7	



Grade/ Course	Lesson Title	Middle Gra	des	High Schoo	ol	Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Middle Grades	Movie Probability	Statistics and Probability	7.SP.5 7.SP.6	Statistics and Probability: Conditional Probability and the Rules of Probability	S-CP.1 S-CP.3	Probability Free Response Probability Multiple Choice Quiz
Middle Grades	Family Fun	Statistics and Probability	7.SP.5 7.SP.8.a 7.SP.8.b	Statistics and Probability: Conditional Probability and the Rules of Probability	S-CP.1 S-CP.5 S-CP.6	Probability Free Response Probability Multiple Choice Quiz
Algebra I	Jury	Statistics and Probability	6.SP.2 7.SP.1 7.SP.7	Statistics and Probability: Making Inferences and Justifying Conclusions	S-MD.3 S-MD.6	Probability Free Response Probability Multiple Choice Quiz
				Statistics and Probability: Interpreting Categorical and Quantitative Data	S-ID.3	
				Statistics and Probability: Conditional Probability and the Rules of Probability	S-CP.7 S-CP.9	
Geometry	Using Area to Estimate Probability	Statistics and Probability	7.SP.5 7.SP.7.b	Statistics and Probability: Conditional Probability and the Rules of Probability	S-CP.1	Probability Free Response Probability Multiple Choice Quiz



Grade/ Course	Lesson Title	Middle G	rades	High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Algebra II	SAMPLE SPACE, BASIC COUNTING PRINCIPLES, PERMUTATIONS			Statistics and Probability: Conditional Probability and the Rules of Probability Statistics and Probability: Making Inferences and Justifying Conclusions	S-CP.1 S-MD.1 S-MD.2 S-MD.3 S-MD.4 S-MD.5 S-MD.6 S-MD.7	Probability Free Response Probability Multiple Choice Quiz
Algebra II	COMBINATIONS			Algebra: Arithmetic with Polynomials and Rational Expressions Statistics and Probability: Conditional Probability and the Rules of Probability	A-APR.5 S-CP.1 S-CP.2 S-CP.5 S-CP.9	Probability Free Response Probability Multiple Choice Quiz



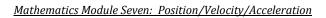
Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Pre- Calculus	APPLYING THE BINOMIAL EXPANSION TO PROBABILITIES			Algebra: Arithmetic with Polynomials and Rational Expressions Statistics and Probability: Conditional Probability and the Rules of Probability Statistics and Probability: Making Inferences and Justifying Conclusions	A-APR.5 S-CP.6 S-CP.7 S-CP.8 S-CP.9 S-MD.1 S-MD.2 S-MD.3	Probability Free Response Probability Multiple Choice Quiz



Grade/ Course	Lesson Title	Middle Gra	ades	High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Middle Grades	ANT AND THE SUGAR	Expressions and Equations Functions	6.EE.9 7.EE.4 8.F.5			Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration
		Tunctions	0.1.5			Multiple Choice Quiz
Middle Grades	ROUNDTRIP DRIVE	Ratios and Proportional Relationships Number System	6.RP.3.a 6.RP.3.b 6.RP.3.d 6.NS.6.a 6.NS.6.c 6.NS.5 6.NS.7.c 6.NS.7.d 7.NS.2.b			Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration Multiple Choice Quiz
		Ratios and Proportional Relationships Expressions and Equations Functions	7.RP.1 8.EE.5 8.F.1 8.F.2 8.F.5			

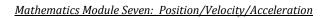


Grade/ Course	Lesson Title	Middle G	irades	High Scho	High School	
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Middle Grades	DETECTING MOTION	Ratios and Proportional Relationships Number System Expressions and Equations Functions	6.RP.3.b 7.RP.2.a 7.RP.2.d 6.NS.5 6.EE.9 8.EE.5 8.F.1 8.F.2 8.F.4 8.F.5			Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration Multiple Choice Quiz
		Statistics and Probability	8.SP.1 8.SP.2			
Algebra I	MOTION ADAPTED FROM 1997 CALCULUS AB1		K	Functions: Interpreting Functions	F-IF.4 F-IF.5 F-IF.6 F-IF.7	Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration Multiple Choice Quiz





Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Middle Grades	Stock Car Racetracks	Ratios and Proportional Relationships Number System	6.RP.3 7.RP.2 7.RP.2 6.NS.1	Geometry: Congruence Geometry: Similarity,	G-CO.6 G-CO.10 G-SRT.5	Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration Multiple Choice Quiz
			7.NS.2 7.NS.3	Right Triangles, and Trigonometry		
		Expressions and Equations	6.EE.9 8.EE.5			
		Geometry	6.G.3 7.G.1 7.G.2 8.G.5			
		Ratios and Proportional Relationships	7.RP.2			
Algebra I	READING THE GRAPH	Expressions and Equations	8.EE.5	Algebra: Reasoning with Equations and Inequalities	A-REI.10 A-REI.11	Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration
		Functions	8.F.2 8.F.4 8.F.5	Functions: Interpreting Functions	F-IF.2 F-IF.4 F-IF.6	Multiple Choice Quiz
				Functions: Linear, Quadratic, and Exponential Models	F-LE.1.b	





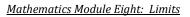
Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Geometry	ADAPTATION OF 2000 AB2/BC2					Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration Multiple Choice Quiz
Algebra II	Particle Motion Along a Horizontal Line			Number and Quantity: Vector and Matrix Quantities	N-VM.1 N-VM.3	Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration
				Algebra: Creating Equations	A-CED.1 A-CED.3	Multiple Choice Quiz
				Algebra: Reasoning with Equations and Inequalities	A-REI.3 A-REI.6	
				Functions: Interpreting Functions	F-IF.1 F-IF.2 F-IF.3	
					F-IF.4 F-IF.6	
					F-IF.7.a	



Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Algebra II	Motion Problems Using Exponential and Natural Logarithmic Functions			Algebra: Creating Equations Functions: Interpreting Functions	A-CED.1 A-CED.3 F-IF.4 F-IF.5 F-IF.8 F-BF.5 F-LE.4 F-LE.5	Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration Multiple Choice Quiz
Pre- Calculus	READING THE GRAPH OF A VELOCITY FUNCTION			Functions: Interpreting Functions	F-IF.4 F-IF.5 F-IF.6 F-IF.9	Position/Velocity/Acceleration Free Response Position/Velocity/Acceleration Multiple Choice Quiz



Grade/ Course	Lesson Title	Middle Grad	des	High Scho	ol	Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Middle Grades	LIMITS - A PHYSICAL Approach	Ratios and Proportional Relationships Number System	6.RP.1 6.RP.3.d 6.NS.1 7.NS.2.a 7.NS.2.c 7.NS.3			Limits Free Response Limits Multiple Choice Quiz
		Expressions and Equations Geometry	7.EE.3 7.G.2 7.G.6 8.G.2			
Middle Grades	ALIEN INVASION	Expressions and Equations	6.EE.1 6.EE.9			Limits Free Response Limits Multiple Choice Quiz
		Geometry Functions	7.G.6 8.F.2 8.F.3 8.F.5			
Middle Grades	INTERESTING LIMIT	Ratios and Proportional Relationships Statistics and Probability	6.RP.3 7.RP.2 8.SP.1			Limits Free Response Limits Multiple Choice Quiz





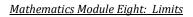
Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Middle Grades	Arithmetic Sequences	Ratios and Proportional Relationships Number System	6.RP.3 6.NS.6 7.NS.1			Limits Free Response Limits Multiple Choice Quiz
		Expressions and Equations	6.EE.9 8.EE.6 8.EE.7			
		Functions	8.F.1 8.F.2 8.F.3			
Middle Grades	Angles of a Regular Polygon	Geometry	7.G.1 7.G.5 8.G.5			Limits Free Response Limits Multiple Choice Quiz
Middle Grades	Polygons in Circles	Ratios and Proportional Relationships	6.RP.3.c			Limits Free Response Limits Multiple Choice Quiz
		Expressions and Equations	6.EE.2.c			
		Geometry	6.G.1 7.G.4			
		Number System	7.NS.1 7.NS.1.d 7.NS.2.c			



Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
course		Critical Areas:	Standards:	Critical Areas:	Standards:	
Algebra I	EXPONENTIAL FUNCTIONS EXPLORATION			Algebra: Creating Equations Functions: Interpreting Functions	A-CED.1 F-IF.2 F-IF.4	Limits Free Response Limits Multiple Choice Quiz
				Functions: Building Functions	F-BF.1.a	
Geometry	Polygons I			Number and Quantity: The Real Number System Algebra: Seeing Structure in Expression	N-Q.1 N-Q.3 A-SSE.1	Limits Free Response Limits Multiple Choice Quiz
				Functions: Trigonometric Functions	F-TF.3	
				Geometry: Similarity, Right Triangles, and Trigonometry	G-SRT.5 G-SRT.6 G-SRT.8 G-SRT.11	
				Geometry: Circles	G-C.2	
				Geometry: Geometric Measurement and Dimension	G-GMD.1	



Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Geometry	POLYGONS II			Algebra: Creating Equations Algebra: Reasoning with Equations and Inequalities Geometry: Circles	A-CED.1 A-REI.10 G-C.2	Limits Free Response Limits Multiple Choice Quiz
				Functions: Interpreting Functions	F-IF.4 F-IF.7.c F-IF.7.d	
				Functions: Building Functions	F-BF.1.a	
			Functions: Linear, Quadratic, and Exponential Models	F-LE.1.b F-LE.1.c		
Geometry	INVESTIGATING THE SLOPE OF A TANGENT LINE		Algebra: Seeing Structure in Expression	A-SSE.1	Limits Free Response Limits Multiple Choice	
				Algebra: Arithmetic with Polynomials and Rational Expressions	A-APR.3 A-APR.6	Quiz
				Algebra: Creating Equations	A-CED.1	
				Algebra: Reasoning with Equations and Inequalities	A-REI.2 A-REI.4.b	





Grade/ Course	Lesson Title	Middle Grades		High School		Assessment
		Critical Areas:	Standards:	Critical Areas:	Standards:	
Pre- Calculus	RATIONAL FUNCTIONS AND THEIR ASYMPTOTES			Functions: Linear, Quadratic, and Exponential Models	F-LE.2 F-LE.5	Limits Free Response Limits Multiple Choice Quiz
				Algebra: Seeing Structure in Expression	A-SSE.3.a	
				Algebra: Arithmetic with Polynomials and Rational Expressions	A-APR.3	