

**Tech Algebra III
District 2853**

Month	Content	Performance Standards Addressed Grades 9-11 Grades 11-12	Skills for Student Achievement	Assessment	
September		Algebra - Benchmark #11 Mathematical Reasoning - Benchmark #3 Computation & Operation - Benchmarks #1, #2, #5 Geometry - Benchmark #4		<ul style="list-style-type: none"> · Understand and use terms leg, hypotenuse, special triangles, sine, arc cosine, and arc tangent to solve problems 	
October		Computation & Operation - Benchmark #3	Trigonometry & Geometry - Benchmarks #3, #4, #5, #6, #8	<ul style="list-style-type: none"> · Understand and use graphs of functions to solve problems by using $y = C + A \sin B$ (-D) and amplitude, wave length, center, period and frequency 	
November		Algebra - Benchmarks #1, #4	Algebra - Benchmarks #3, #10	<ul style="list-style-type: none"> · Solve problems that use Algebraic manipulation: FOIL squaring binomials, multiplying sum and difference binomials, and factor above 	
December		Patterns and Functions - Benchmark #5 Algebra - Benchmarks #5, #9		<ul style="list-style-type: none"> · Use patterns to solve problems · Use patterns to determine relationships and functions · Represent relations using: graphs, tables, ordered pairs equations and words · Graph equations · Understand and use domain and range 	
January		Algebra - Benchmark #8		<ul style="list-style-type: none"> · Solve quadratics using graphing, factoring, and the quadratic formula 	
February		Algebra - Benchmarks #11, #12		<ul style="list-style-type: none"> · Solve systems of equations using: graphing, substitution, subtraction, determinants, etc. 	
March		Algebra - Benchmarks #2, #4, #7		<ul style="list-style-type: none"> · Relate numbers using $<$, $>$, $=$, etc. · Use number line to solve problems · Determine absolute value · Graph linear inequalities 	
April				<ul style="list-style-type: none"> · Apply Geometry and Trigonometry to solve problems involving irregularly shaped figures 	

May	Geometry - Benchmark #6 intro. only	Use transformations scale, translation, and rotation to solve problems
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