

**Tech Algebra I
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 Number Sense - Benchmark #1	<ul style="list-style-type: none"> · Use of calculators – enter fractions, decimals, %, and memory key 	
October		Mathematical Reasoning - Benchmarks #1, #5	<ul style="list-style-type: none"> · Use problem solving techniques 	
October and November			<ul style="list-style-type: none"> · Use measurement systems – English-English conversions, metric-metric conversions, metric – English & English – metric conversion · Use measuring devices including calipers and micrometers 	
December		Mathematical Reasoning - Benchmark #1 Data and Statistics - Benchmark #1	<ul style="list-style-type: none"> · Make graphs bar – pie – line · Interpret graphs · Collect, organize and interpret data 	
January		Geometry - Benchmark #1	<ul style="list-style-type: none"> · Define points, lines, segments, rays · Understand parallel, perpendicular · Understand angles, acute, obtuse, right · Measure segments and angles 	
February		Geometry - Benchmarks #1, #3	<ul style="list-style-type: none"> · Understand characteristics of two dimensional shapes – area, diagonals, perimeter, diameter, circumferences, radius · Name two dimensional shapes – square, rectangle, parallelogram, trapezoid, triangles, circles 	
March		Geometry - Benchmark #3	<ul style="list-style-type: none"> · Understand characteristics of three dimensional shapes – volume, surface area, edge length, slant height, height · Solve problems using ratio and proportion · Discern between direct and indirect relationship 	

April		Spatial Sense - Benchmark #1		<ul style="list-style-type: none"> · Use scale drawings and scale factor direct relation · Interpret drawings · Interpret maps and directions · Create scale drawing and build model 	
May				<ul style="list-style-type: none"> · Understand and use the number line, +/- numbers, multiply, divide, add, subtract · Discern between scalar and vector quantities · Use vectors · Understand and use Scientific Notation · Discern between accuracy and precision · Find appropriate answers using significant digits 	