

Curriculum Grade Book

Morgan County School District

Final, 01/11/2010

Math-Grade 6

Mathematics

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
The learner will be able to estimate measurements in standard units including fractions and decimals.																														
<ul style="list-style-type: none"> 2.1.3 Supporting The learner will be able to explain how measurements and measurement formulas are related or different (perimeter and area of rectangles). 																														
<ul style="list-style-type: none"> 2.2.1 Supporting The learner will be able to covert units within the same measurement system and use these units to solve real-world problems. 																														
Geometry (20%)																														
<ul style="list-style-type: none"> 3.1.1 DOK 2 ASSESSED The learner will be able to describe and provide examples of the basic geometric elements (points, rays, lines, segments, angles [acute, right, obtuse], planes, radius, diameter, circumference). 																														
<ul style="list-style-type: none"> 3.1.2 DOK 2 ASSESSED The learner will be able to describe, and provide examples of the elements (e.g., sides, vertices, angles, congruent parts) of two-dimensional figures (circles, triangles, quadrilaterals, regular polygons), and will apply these elements and figures to solve real-world and mathematical problems. 																														
<ul style="list-style-type: none"> 3.1.3 Supporting The learner will be able to describe, provide examples of, and identify properties (e.g., vertices, angles, faces, edges, congruent parts) of common three-dimensional figures (spheres, cones, cylinders, prisms, and pyramids). 																														
<ul style="list-style-type: none"> 3.1.4 DOK 2 ASSESSED The learner will be able to identify and describe 																														

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congruent figures, and will apply congruent figures to solve real-world and mathematical problems.																															
<ul style="list-style-type: none"> 3.1.5 Supporting The learner will be able to identify similar figures and apply similar figures to solve real-world and mathematical problems. 																															
<ul style="list-style-type: none"> 3.2.1 Supporting The learner will be able to describe, provide examples of, and apply line symmetry to real-world and mathematical problems. 																															
<ul style="list-style-type: none"> 3.2.2 DOK 2 ASSESSED The learner will be able to * reflect figures across a horizontal or vertical line in the first quadrant; * translate figures in a plane in the first quadrant; and * determine the coordinates of the image after transformation in the first quadrant. 																															
<ul style="list-style-type: none"> 3.2.3 Supporting The learner will be able to identify rotations of figures in the plane (90 degrees and 180 degrees). 																															
<ul style="list-style-type: none"> 3.3.1 DOK 2 ASSESSED The learner will be able to identify and graph ordered pairs on a positive coordinates system (Quadrant 1), correctly identifying the origin, axes, and ordered pairs; and will apply graphing in the coordinate identify to solve real-world and mathematical problems. 																															

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Data Analysis and Probability (15%)																															
<p>■ 4.1.1 DOK 3 ASSESSED</p> <p>The learner will be able to analyze and make inferences from data displays (drawings, tables/charts, pictographs, bar graphs, circle graphs, line plots, Venn diagrams, line graphs, stem-and- leaf plots).</p>																															
<p>■ 4.1.2 Supporting</p> <p>The learner will be able to explain how different representations of data (e.g., tables, graphs, graphs, pots)are related.</p>																															
<p>■ 4.1.4 DOK 2 ASSESSED</p> <p>The learner will be able to determine and construct appropriate data displays (bar graphs, line plots, Venn diagrams, tables, line graphs), and will explain why the type of display is appropriate for the data.</p>																															
<p>■ 4.2.1 DOK 2 ASSESSED</p> <p>The learner will be able to determine and apply the mean, median, mode, and range of a set of data.</p>																															
<p>■ 4.4.1 DOK 2 ASSESSED</p> <p>The learner will be able to describes or determine (e.g., tables, tree diagrams) the sample space of an event for a real-world or mathematical situation.</p>																															
<p>■ 4.4.2 DOK 3 ASSESSED</p> <p>The learner will be able to determine single event probabilities based on the results of an experiment and will make inferences based on the data.</p>																															
<p>■ 4.4.3 Supporting</p> <p>The learner will be able to explore the theoretical probability of simple events.</p>																															

