

Great Source Education

Math In Focus

Grade K

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correlated to

**Mississippi Mathematics Framework
Grade K**

Explanation Of Correlation

The following document is a correlation of **Great Source Education, *Math in Focus*** to the Mississippi Mathematics Framework. The format of this correlation follows the same basic format established by the Mathematics Framework, modified to accommodate the addition of page references. The correlation provides a cross-reference between the skills in the Mathematics Framework and representative page numbers where those skills are taught or assessed.

The references contained in this correlation reflect Great Source Education's interpretation of the Mathematic objectives outlined in the Mississippi Mathematics Framework.

Key to References

TE-A *Teacher's Edition A*

TE-B *Teacher's Edition B*

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Mississippi Mathematics Framework (2007)
Grade K

Standard	Descriptor	Page Citations
Standard 1	Number and Operations	
Competencies and Objectives		
1. Identify and represent relationships among sets of whole numbers up to 20 using manipulatives.		
a.	Count forward to 20 and backward from 10. (DOK 1)	TE-A: 80, 84, 98, 116, 118, 121-122 TE-B: 70-71, 75-78, 88-91
b.	Create models of sets of objects 0 to 20. (DOK 1)	TE-A: 9, 10, 13, 18, 22, 23, 32, 37, 38, 42, 44, 47, 50, 51, 59, 60, 82, 83, 85, 86, 91, 95, 102, TE-B: 88-96
c.	Recognize and write numbers to represent quantities 0 to 20. (DOK 1)	TE-A: 2-5, 9-13, 17, 18, 19-23, 25, 27C, 28-32, 33-38, 40-44, 45-50, 59, 61, 83, 84, 89-91, 117, 121-122, 123 TE-B: 93, 94
d.	Compose and decompose two-digit numbers (up to 20) with representations in words and physical models. (DOK 2)	TE-A: 123 TE-B: 88-93, 119, 123
e.	Determine “first” through “tenth” (ordinal numbers), “next,” and “last” positions. (DOK 1)	TE-A: 69-70 TE-B: 49A, 50-60

Standard	Descriptor	Page Citations
f.	Develop multiple representations for addition (combining of sets) and subtraction (take-away, missing addend, comparison). (DOK 2)	TE-A: 86, 132-133 TE-B: 42, 46, 48, 69A, 71, 72, 73, 74, 118, 119, 120, 121, 122, 123, 126-131
g.	Apply mathematical language by telling when a certain number is “too many,” “not enough,” “just right,” “more than,” “less than,” or “equal to” for a given situation. (DOK 1)	TE-A: 56, 57-58, 128-130 TE-B: 37-48, 94
Standard 2	Algebra	
Competencies and Objectives		
2. Identify, describe, and reproduce patterns using concrete objects.		
a.	Describe a rule for sorting objects. (DOK 2)	TE-A: 2-21, 24-25, 31, 35, 42, 49, 68 TE-B: 83, 107C, 115, 149C
b.	Identify, reproduce, and extend repeating patterns in visual, auditory, and physical contexts. (DOK 2)	TE-A: 48, 71, 73-76, 81, 124 TE-B: 16, 20-23, 27, 34, 79A, 79C, 80-85
c.	Identify and describe qualitative changes (such as temperature changes – it feels hotter). (DOK 1)	TE-B: 61A, 64
d.	Identify and describe quantitative changes (such as temperature increases five degrees). (DOK 1)	Quantitative change is taught in Grade 3: TE-B: 254-255, 257

Standard	Descriptor	Page Citations
Standard 3	Geometry	
Competencies and Objectives		
3. Identify and classify two-dimensional shapes.		
a.	Recognize and describe open and closed figures. (DOK 1)	TE-B: 2-16 Open figures are addressed in Grade 3: TE-B: 303-304, 306
b.	Identify two-dimensional figures such as the square, rectangle, triangle, and circle. (DOK 1)	TE-B: 8-16, 80-82, 84-85
c.	Demonstrate an understanding of positional words (e.g., in, above, below, over, under, beside, etc.). (DOK 1)	TE-A: 69-70, 112-114 TE-B: 45, 63-65, 55-56
Standard 4	Measurement	
Competencies and Objectives		
4. Identify measurable attributes of objects.		
a.	Measure the length, weight, and capacity of objects using nonstandard units. (DOK 2)	TE-B: 102-106, 142
b.	Determine and describe comparisons of length (longer, shorter, the same), mass (heavier, lighter, the same), and capacity (holds more, less, or about the same) using different-shaped or congruent containers, objects or figures. (DOK 2)	TE-A: 74, 77, 78 TE-B: 98-101, 103-104, 138-141, 142-143
c.	Recognize the clock (analog and digital) and calendar as measurements of time. (DOK 1)	TE-B: 61A, 61B, 62-67 Using a clock as a measurement of time is introduced in Grade 1: TE-B: 162-171C
d.	Determine attributes of objects that can be compared, such as length, area, mass or volume/capacity. (DOK 1)	TE-A: 74, 77, 78 TE-B: 98-101, 103-104, 138-141, 142-143, 147-148

Standard	Descriptor	Page Citations
Standard 5	Data Analysis and Probability	
Competencies and Objectives		
5. Collect, organize, and interpret data.		
a.	Collect and organize data by counting and using tally marks and other symbols. (DOK 1)	TE-B: 23, 60, 66-67
b.	Describe data by using mathematical language such as more than, less than, etc. (DOK 1)	TE-B: 23, 60, 66-67