

MATHEMATICS/Kindergarten

Curriculum Guide

To support strong classroom instruction, the TDOE has created instructional focus documents for mathematics. These documents were developed to target the mathematics standards where statewide data indicated students struggled the most and are optional supplements for educators to consider. The purpose of these documents is to provide teachers with examples of learning across all performance levels to help educators determine the depth of a student's conceptual understanding of the Tennessee mathematics standards. You may access these documents using this link:

https://bestforall-cms.tnedu.gov/sites/default/files/documents/K_9-24-21.pdf

Best for All Central is designed to be a one-stop shop for academic needs. <https://bestforall.tnedu.gov/lessons-and-learning-item?content-id=7321>

1 st Quarter				
Standard(s)	Learning Objective(s) Essential Understanding	Savvas Alignment	Assessments	Pacing
K.MD.B.3	Identify penny and its value.	Lesson TN-6* building skill	- BCS Kindergarten Handbook - Daily Review - Today's Challenge - Online Quick Checks - Online Math Games	5 days
K.CC.B.5a	Count 1,2, and 3 objects.	Topic 1.1 Pg. 5a – 8b		1 day
K.CC.B.5b	Count groups of 1, 2, and 3 objects shown in different ways.	Topic 1.2 Pg. 9a – 12b		1 day
K.CCA.3	Read and write numbers 1,2, and 3.	Topic 1.3 Pg. 13a – 16b		1 day
K.CC.B.5a	Count 4 and 5 objects.	Topic 1.4 Pg. 17a – 20b		1 day

K.CC.B.5b	Count groups of 4 and 5 objects shown in different ways.	Topic 1.5 Pg. 21a – 24b	- BCS Kindergarten Handbook - Daily Review - Today's Challenge - Online Quick Checks - Online Math Games - Standards Practice Workbook Pages	1 day
K.CCA.3	Read and write numbers 4 and 5.	Topic 1.6 Pg. 25a – 28b		1 day
K.CC.B.5a	Use zero to tell when there are no objects.	Topic 1.7 Pg. 29a – 32b		1 day
K.CCA.3	Read and write number 0.	Topic 1.8 Pg. 33a – 36b		1 day
K.CC.B.5a	Count up to the number 5.	Topic 1.9 Pg. 37a – 40b		1 Day
MP.3 K.CC.5a	Use math to explain what you know about counting.	Topic 1.10 Pg. 41a – 44b		1 day
K.CC.C7	Compare groups to see if they are equal by matching.	Topic 2.1 Pg. 61a – 64b		1 day
K.CC.C7	Tell whether one group is greater in number than another group.	Topic 2.2 Pg. 65a – 68b		1 day
K.CC.C7	Tell whether one group is less in number than another group.	Topic 2.3 Pg. 69a – 72b		1 day
MP.4 K.CC.C7	- Compare numbers. - Use objects drawings and numbers to compare numbers.	Topic 2.4 Pg. 73a – 76b Topic 2.5 Pg. 77a – 80b		2 days
K.CC. B5a	Count the numbers 6 and 7.	Topic 3.1 Pg. 93a – 96b		1 day
K.CC. A3	Read and write the numbers 6 and 7.	Topic 3.2 Pg. 97a – 100b		1 day
K.CC. B5a	Count the numbers 8 and 9.	Topic 3.3 Pg. 101a – 104b		1 day
K.CC. A3	Read and write the numbers 8 and 9.	Topic 3.4 Pg. 105a – 108b		1 day
K.CC. B5a	Count to the number 10.	Topic 3.5 Pg. 109a – 112b		1 day
K.CC. A3	Read and write the number 10.	Topic 3.6 Pg. 113a – 116b		1 day

K.CC. A2	Count groups of numbers to 10	Topic 3.7 Pg. 117a – 120b	- BCS Kindergarten Handbook - Daily Review - Today's Challenge - Online Quick Checks - Online Math Games - Standards Practice Workbook Pages	1 day
MP.7 K.CC.B.5b	- Use counting patterns to solve a problem. - Count backwards from 10. - Identify and extend repeating patterns.	Topic 3.8 Pg. 121a – 124b Lesson TN 1 Pg. T1a -T6B Lesson TN 2 Pg. T7a-T14A		2 days
K.CC.C7	Compare groups of up to 10 objects.	Topic 4.1 Pg. 141a – 144b		1 day
K.CC.C.8	Compare groups of numbers using numerals to 10.	Topic 4.2 Pg. 145a – 148b		1 day
K.CC.C.7	Compare groups of numbers by counting.	Topic 4.3 Pg. 149a – 152b		1 day
K.CC.C.8	Compare two numbers.	Topic 4.4 Pg. 153a – 156b		1 day
MP.8 K.CC.A.2	Repeat something from one problem to help solve another problem.	Topic 4.5 Pg. 157a – 160b		1 day
K.MD.C.4	Classify objects into categories and tell why they are in each category.	Topic 5.1 Pg. 173a – 176b		1 day
K.MD.C.4	Count how many objects are in different categories.	Topic 5.2 Pg. 177a – 180b		1 day
K.MD.C.4	Use counting to compare how many objects are in categories.	Topic 5.3 Pg. 181a – 184b		1 day
MP.3 K.MD.C.4	Tell whether the ways objects have been sorted, counted, and compared make sense.	Topic 5.4 Pg. 185a – 188b		2 days

2nd Quarter

Standard(s)	Learning Objective(s)	Savvas Alignment	Assessments	Timeframe
K.MD.B.3	Identify nickel and penny and their value.	Lesson TN-6* building skill	- BCS Kindergarten Handbook - Daily Review - Today's Challenge - Online Quick Checks - Online Math Games - Standards Practice Workbook Pages	1 day
K.OA.A.1 K.OA.A.2	Show numbers in many ways.	Topic 6.1 Pg. 201a – 204b		1 day
K.OA.A.1	Represent addition as adding to a number.	Topic 6.2 Pg. 205a – 208b		1 day
K.OA.A.1	Represent addition as putting two or more numbers together.	Topic 6.3 Pg. 209a – 212b		1 day
K.OA.A.1	Write an equation to show addition.	Topic 6.4 Pg. 213a – 216b		2 days
K.OA.A.2	Solve addition problems.	Topic 6.5 Pg. 217a – 220b		1 day
K.OA.A.2	Use equations to represent and explain addition.	Topic 6.6 Pg. 221a – 224b		1 day
K.OA.A.5	Use patterns to add numbers together.	Topic 6.7 Pg. 225a – 228b		1 day
MP.4 K.OA.A.2	Model adding different numbers together by <u>drawing, counting, or writing equations.</u>	Topic 6.8 Pg. 229a – 232b		2 days
K.OA.A.1 K.OA.A.2	Show numbers in many ways.	Topic 7.1 Pg. 249a – 252b		1 day
K.OA.A.1	Take apart a number and tell the parts	Topic 7.2 Pg. 253a – 256b		1 day
K.OA.A.1	Represent subtraction as taking away from a whole.	Topic 7.3 Pg. 257a – 260b		1 day
K.OA.A.1	Write an equation to show subtraction.	Topic 7.4 Pg. 261a – 264b		2 days
K.OA.A.2	Find the difference of two numbers.	Topic 7.5 Pg. 265a – 268b		1 day
K.OA.A.5 K.OA.A.1	Find patterns in subtraction equations.	Topic 7.6 Pg. 269a – 272b		2 days

MP.5 K.OA.A.2	Use tools to subtract numbers.	Topic 7.7 Pg. 273a – 276b	- BCS Kindergarten Handbook - Daily Review - Today's Challenge - Online Quick Checks - Online Math Games - Standards Practice Workbook Pages	2 days
K.OA.A.2 K.OA.A.3	Write an addition equation to solve a word problem.	Topic 8.1 Pg. 293a – 296b		2 days
K.OA.A.5	Solve related addition and subtraction equations.	Topic 8.2 Pg. 297a – 300b		2 days
MP.2 K.OA.A.1	Reason about numbers and operations.	Topic 8.3 Pg. 301a – 304b		1 day
K.OA.A.5	Write addition and subtraction problems with 5 and remember them.	Topic 8.4 Pg. 305a – 308b		5 days
K.OA.A.2 K.OA.A.3	Write an addition equation to solve a word problem.	Topic 8.5 Pg. 309a – 312b		2 days
K.OA.A.2 K.OA.A.3	Write an addition equation to solve a word problem.	Topic 8.6 Pg. 313a – 316b		3 days
K.OA.A.1	Show how to make a group of 10.	Topic 8.7 Pg. 317a – 320b		2 days
K.OA.A.2 K.OA.A.3	Write an addition equation to solve a word problem.	Topic 8.8 Pg. 321a – 324b		3 days

3rd Quarter				
Standard(s)	Learning Objective(s)	Savvas Alignment	Assessments	Timeframe
K.OA.A.4	Find number partners for 10.	Topic 8.9. Pg. 325A -328B	- BCS Kindergarten Handbook - Daily Review - Today's Challenge - Online Quick Checks - Online Math Games - Standards Practice Workbook Pages	2 days
K.OA.A.4	Find a missing part to make 10.	Topic 8-10 Pg. 329A – 332B		3 days
K.OA.A.5	Fluently add and subtract within 10.	Lesson TN-3 Pg. T15A – T20C		5 days
K.CC.A.3	Count and write the numbers 11 and 12.	Topic 9-1 Pg. 349A – 352B		1 day
K.CC.A.3	Count and write the numbers 13, 14 and 15.	Topic 9-2 Pg. 353A – 356B		1 day
K.CC.A.3	Count and write the numbers 16 and 17.	Topic 9-3 Pg. 357A – 360B		1 day
K.CC.A.3	Count and write the numbers 18, 19 and 20.	Topic 9-4 Pg. 361A – 364B		1 day
K.CC.A.2	- Count forward from any number to a number within 20. - Find one more and one less than a number.	Topic 9-5 Pg. 365A – 368B Lesson TN-4 Pg. T23A – T30		1 day
K.CC.B.6	Count to find how many are in a group.	Topic 9-6 Pg. 369A – 372B		1 day
K.CC.A.2	Use reasoning to count and write numbers to the number 20.	Topic 9-7 Pg. 373A – 376B		2 days
K.NBT. A.1	Use drawings and equations to make the numbers 11, 12, and 13.	Topic 10-1 Pg. 389A – 392B		1 day
K.NBT. A.1	Make the numbers 14, 15, and 16.	Topic 10-2 Pg. 393A – 396B		1 day
K.NBT. A.1	Make the numbers 17, 18, and 19.	Topic 10-3 Pg. 397A – 400B		1 day
K.NBT. A.1	Find parts of the numbers 11, 12, and 13 when one part is 10.	Topic 10-4 Pg. 401A – 404B		2 days
K.NBT. A.1	Find parts of the numbers 14, 15, and 16 when one part is 10.	Topic 10-5 Pg. 405A – 408B		1 day

K.NBT. A.1	Find parts of the numbers 17, 18, and 19 when one part is 10.	Topic 10-6 Pg. 409A – 412B	- BCS Kindergarten Handbook - Daily Review - Today's Challenge - Online Quick Checks - Online Math Games - Standards Practice Workbook Pages	2 days
K.NBT. A.1	Use patterns to make and find the parts of numbers to 19.	Topic 10-7 Pg. 413A – 416B		2 days
K.CC.A.1	Use patterns to count to 30.	Topic 11-1 Pg. 433A – 436B		1 day
K.CC.A.1	Count by ones and by tens to 50.	Topic 11-2 Pg. 437A – 440B		1 day
K.CC.A.1	Skip count by tens to 100.	Topic 11-3 Pg. 441A – 444B		2 days
K.CC.A.2	Count forward from any number to 100 by ones.	Topic 11-4 Pg. 445A – 448B		2 days
K.CC.A.2	See patterns when counting.	Topic 11-5 Pg. 449A – 452B		1 day
K.CC.A.1	Count by fives to 100.	Lesson TN-5 Pg. T31A – 36B		2 days
K.MD.B.3	Identify pennies, nickels, dimes, and quarters and their values.	Lesson TN-6 Pg. T37A – 42B		5 days
K.G.A.3	Name shapes as flat or solid.	Topic 12-1 Pg. 465A – 468B		2 days
K.G.A.2	Identify and describe circles and triangles.	Topic 12-2 Pg. 469A – 472B		1 day
K.G.A.2	Identify and describe squares and other rectangles.	Topic 12-3 Pg. 473A – 476B		1 day
K.G.A.2	Identify and describe hexagons.	Topic 12-4 Pg. 477A – 480B		1 day

4th Quarter

Standard(s)	Learning Objective(s)	Savvas Alignment	Assessments	Timeframe
K.G.A.2	Identify and describe solid figures.	Topic 12-5 Pg. 481A – 484B	- BCS Kindergarten Handbook - Daily Review - Today's Challenge - Online Quick Checks - Online Math Games - Standards Practice Workbook Pages	5 days
K.G.A.1	Describe shapes in the environment.	Topic 12-6 Pg. 485A – 488B		2 days
K.G.A.1	- Describe positions of shapes in the environment. - Extend and create patterns and identify the part that repeats.	Topic 12-7 Pg. 489A – 492B Lesson TN-7 Pg. T45A – T50C		3 days
K.G.B.4	Analyze and compare 2-d shapes.	Topic 13-1 Pg. 509A – 512B		1 day
K.G.B.4	Analyze and compare 3-d shapes.	Topic 13-2 Pg. 513A - 516B		1 day
K.G.A.4	Analyze and compare 2-d and 3-d shapes.	Topic 13-3 Pg. 517A – 520B		2 days
K.G.B.4	Make sense of problems about shapes.	Topic 13-4 Pg. 521A – 524B		1 day
K.G.B.6	Make 2-d shapes using other 2-d shapes.	Topic 13-5 Pg. 525A – 528B		2 days
K.G.B.5	Build 2-d shapes that match given attributes.	Topic 13-6 Pg. 529A – 532B		2 days
K.G.B.5	Use materials to build 3-d shapes.	Topic 13-7 Pg. 533A – 536B		5 days
K.MD.A.2	Describe and compare objects by length and height.	Topic 14-1 Pg. 549A – 552B		3 days
K.MD.A.2	Describe and compare objects by capacity.	Topic 14-2 Pg. 553A – 556B		2 days
K.MD.A.2	Describe and compare objects by weight.	Topic 14-3 Pg. 557A - 560B		2 days
K.MD.A.1	Use measurable attributes to describe objects.	Topic 14-4 Pg. 561A – 564B		3 days
K.MD.A.2	Use small objects to measure length.	Topic 14-5 Pg. 565A – 568B		3 days

K.MD.A.2	Solve math problems about objects with measurable attributes by using precision.	Topic 14-6	Pg. 569A – 572B		2 days
K.CC.A.4	- Identify and extend repeating patterns. - Extend and create patterns and identify the part that repeats.	Lesson TN 2 Review materials	Pg. T7a-T14A		3 days
		Lesson TN-7 Review materials	Pg. T45A – T50C		

Grade K Tennessee Standards

TENNESSEE MATHEMATICS STANDARDS

DOMAIN K.CC: Counting and Cardinality

CLUSTER K.CC.A Know number names and the count sequence.

K.CC.A.1 Count to 100 by ones, fives, and tens. Count backward from 10.

K.CC.A.2 Count forward by ones beginning from any given number within the known sequence (instead of having to begin at 1).

K.CC.A.3 Write numbers from 0 to 20. Represent a quantity of objects with a written number 0–20.

K.CC.A.4 Recognize, describe, extend, and create patterns and explain a simple rule for a pattern using concrete materials. Analyze the structure of the repeating pattern by identifying the unit (core) of the pattern.

CLUSTER K.CC.B Count to tell the number of objects.

K.CC.B.5 Understand the relationship between numbers and quantities; connect counting to cardinality.

K.CC.B.5a When counting objects 1–20, say the number names in the standard order, using one-to-one correspondence.

K.CC.B.5b Recognize that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted.

K.CC.B.5c Recognize that each successive number name refers to a quantity that is one greater and each previous number is one less.

K.CC.B.6 Count to answer “how many?” questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration. Given a number from 1–20, count out that many objects.

CLUSTER K.CC.C Compare numbers.

K.CC.C.7 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group.

K.CC.C.8 Compare two given numbers up to 10, when written as numerals, using the terms *greater than*, *less than*, or *equal to*. (Students need not use comparison symbols here.)

DOMAIN K.OA: Operations and Algebraic Thinking

CLUSTER K.OA.A Represent and solve problems involving addition and subtraction.

K.OA.A.1 Represent addition and subtraction with objects, fingers, drawings, acting out situations, verbal explanations, expressions, or equations.

K.OA.A.2 Add and subtract within 10 to solve contextual problems with result/total unknown involving situations of add to, take from, and put together/take apart. Use objects, drawings, or equations to represent the problem.

K.OA.A.3 Decompose numbers less than or equal to 10 into pairs in more than one way (e.g., $5 = 2 + 3$ and $5 = 4 + 1$) by using objects or drawings. Record each decomposition using a drawing or writing an equation.

K.OA.A.4 Find the number that makes 10, when added to the given number from 1 to 9 using objects or drawings. Record the answer using a drawing or writing an equation.

K.OA.A.5 Use mental strategies flexibly to develop fluency in addition and subtraction within 10.

DOMAIN K.NBT: Number and Operations in Base Ten**CLUSTER K.NBT.A Work with numbers 11–19 to gain foundations for place value.**

K.NBT.A.1 Compose and decompose numbers from 11 to 19 into groups of ten ones and some more ones, e.g., by using objects or drawings (e.g., *18 equals 10 + 8*). Record the composition or decomposition using a drawing or by writing an equation.

DOMAIN K.MD: Measurement and Data**CLUSTER K.MD.A Describe and compare measurable attributes.**

K.MD.A.1 Describe the measurable attributes of an object, such as length (long/short), height (tall/short) or weight (heavy/light).

K.MD.A.2 Directly compare two objects with a measurable attribute in common, to describe which object has more of less of the attribute. For example, directly compare the heights of two children and describe one child as taller/shorter.

CLUSTER K.MD.B Work with money.

K.MD.B.3 Identify the penny, nickel, dime, and quarter based on their attributes (size and color) and recognize the value of each.

CLUSTER K.MD.C Classify objects and count the number of objects in each category.

K.MD.C.4 Sort a collection of objects into a given category, with 10 or fewer in each category. Compare the categories by group size.

DOMAIN K.G: Geometry**CLUSTER K.G.A Identify and describe shapes and solids.**

K.G.A.1 Describe objects in the environment using names of shapes and solids (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres). Describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, between, and next to.

K.G.A.2 Correctly name shapes and solids (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres) regardless of their orientations or overall size.

K.G.A.3 Identify shapes (squares, circles, triangles, rectangles, and hexagons) as two-dimensional and solids (cubes, cones, cylinders, and spheres) as three-dimensional.

CLUSTER K.G.B Analyze, compare, create, and compose shapes.

K.G.B.4 Describe similarities and differences between two- and three-dimensional shapes/solids, in different sizes and orientations.

K.G.B.5 Model shapes/solids in the world by building or drawing them.

K.G.B.6 Compose a figure using simple shapes/solids and identify smaller shapes/solids within the figure.