

Quarter: 2 Grade: 4



### **Mathematics**

## <u>Grade</u> 4 – Year at a Glance 2018 - 2019

Q2





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Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Module 7		Module 7 (con't)
Aug. 6 – Sept. 7	Sept. 11- 18	Sept. 18 – Nov.15	Nov. 16 – Dec. 17	Jan. 7 – Mar. 1	Mar. 4 – Apr. 9	Apr.10-18 Lessons 1-8 only		Apr. 22 - May23
Place Value, Rounding and Algorithms for Addition and Subtraction	Unit Conversion and Problem Solving with Metric Measurements	Multi-Digit	Angle Measure and Plane Figures	Fraction Equivalence, Order and Operations	Decimal Fractions	Exploring Measurement with Multiplication	ng Window	Material covered after April 9 <sup>th</sup> is an extension of 4 <sup>th</sup> grade standards or review of previously taught skills
4.OA.A.3	4.MD.A.1	4.OA.A.1	4.MD.C.5	4.NF.A.1	4.NF.C.5	4.0A.A.1	estii	4.OA.A.1
4.NBT.A.1	4.MD.A.2	4.OA.A.2	4.MD.C.6	4.NF.A.2	4.NF.C.6	4.OA.A.2	Ž	4.OA.A.2
4.NBT.A.2		4.OA.A.3	4.MD.C.7	4.NF.A.3	4.NF.C.7	4.OA.A.3	Ready T	4.OA.A.3
4.NRT.A.3		4.OA.B.4	4.G.A.1	4.NF.A.4	4.MD.A.2	4.MD.A.1	ž	
4.NBT.B.4		4.NRT.R.5	4.G.A.2	4.OA.C.5		4.MD.A.2	Ę	*Additional
		4.NRT.B.6	4.G.A.3	4.MD.B.4				standards – see
		4.MD.A.3						curriculum map

Key:	
Major Content	Supporting Content

Note: Please use this suggested pacing as a guide. It is understood that teachers may be up to 1 week ahead or 1 week behind depending on the needs of their students.

Use the instructional map and the following guide as you prepare to teach a module for additional guidance in planning, pacing, and suggestions for omissions.

Pacing and Preparation Guide (Omissions)

■Major Work

➤ Supporting Standards

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#### Introduction

Destination 2025, Shelby County Schools' 10-year strategic plan, is designed not only to improve the quality of public education, but also to create a more knowledgeable, productive workforce and ultimately benefit our entire community.

#### What will success look like?

80% of seniors will be college-or career-ready 90% of students will graduate on time

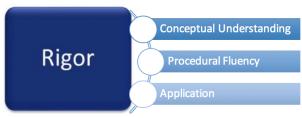
100%
of college-or career-ready
graduates enroll in
post-secondary opportunities

In order to achieve these ambitious goals, we must collectively work to provide our students with high quality, college and career ready aligned instruction. The Tennessee State Standards provide a common set of expectations for what students will know and be able to do at the end of a grade. The State of Tennessee provides two sets of standards, which include the Standards for Mathematical Content and The Standards for Mathematical Practice. The Content Standards set high expectations for all students to ensure that Tennessee graduates are prepared to meet the rigorous demands of mathematical understanding for college and career. The eight Standards for Mathematical Practice describe the varieties of expertise, habits of mind, and productive dispositions that educators seek to develop in all students. The Tennessee State Standards also represent three fundamental shifts in mathematics instruction: focus, coherence and rigor.

# **Instructional Shifts for Mathematics**



Coherence



➤ Supporting Standards

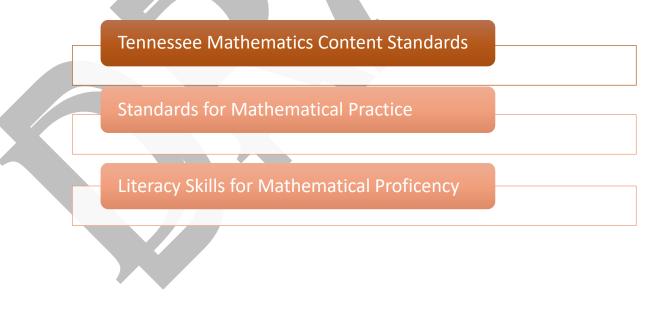


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The **Standards for Mathematical Practice** describe varieties of expertise, habits of minds and productive dispositions that mathematics educators at all levels should seek to develop in their students. These practices rest on important National Council of Teachers of Mathematics (NCTM) "processes and proficiencies" with longstanding importance in mathematics education. Throughout the year, students should continue to develop proficiency with the eight Standards for Mathematical Practice. The following are the eight Standards for Mathematical Practice:

- 1. Make sense of problems and persevere in solving them.
- 2. Reason abstractly and quantitatively.
- 3. Construct viable arguments and critique the reasoning of them.
- 4. Model with mathematics.
- 5. Use appropriate tools strategically.
- 6. Attend to precision.
- 7. Look for and make use of structure.
- 8. Look for and express regularity in repeated reasoning.

This curriculum map is designed to help teachers make effective decisions about what mathematical content to teach so that ultimately our students can reach Destination 2025. Throughout this curriculum map, you will see resources as well as links to tasks that will support you in ensuring that students are able to reach the demands of the standards in your classroom. In addition to the resources embedded in the map, there are some high-leverage resources around the content standards and mathematical practice standards that teachers should consistently access. For a full description of each, click on the links below.





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#### Structure of the Standards

Structure of the TN State Standards include:

- Content Standards Statements of what a student should know, understand, and be able to do.
- Clusters Groups of related standards. Cluster headings may be considered as the big idea(s) that the group of standards they represent are addressing. They are therefore useful as a quick summary of the progression of ideas that the standards in a domain are covering and can help teachers to determine the focus of the standards they are teaching.
- **Domains** A large category of mathematics that the clusters and their respective content standards delineate and address. For example, Number and Operations Fractions is a domain under which there are a number of clusters (the big ideas that will be addressed) along with their respective content standards, which give the specifics of what the student should know, understand, and be able to do when working with fractions.
- Conceptual Categories The content standards, clusters, and domains in the 9th-12th grades are further organized under conceptual categories. These are very broad categories of mathematical thought and lend themselves to the organization of high school course work. For example, Algebra is a conceptual category in the high school standards under which are domains such as Seeing Structure in Expressions, Creating Equations, Arithmetic with Polynomials and Rational Expressions, etc.



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### **How to Use the Maps**

#### Overview

An overview is provided for each quarter and includes the topics, focus standards, intended rigor of the standards and foundational skills needed for success of those standards.

Your curriculum map contains four columns that each highlight specific instructional components. Use the details below as a guide for information included in each column.

#### **Tennessee State Standards**

TN State Standards are located in the left column. Each content standard is identified as Major Content or Supporting Content. A key can be found at the bottom of the map.

#### Content

This section contains learning objectives based upon the TN State Standards. Best practices tell us that clearly communicating measurable objectives lead to greater student understanding. Additionally, essential questions are provided to guide student exploration and inquiry.

#### **Instructional Support**

District and web-based resources have been provided in the Instructional Support column. You will find a variety of instructional resources that align with the content standards. The additional resources provided should be used as needed for content support and scaffolding.

#### **Vocabulary and Fluency**

The inclusion of vocabulary serves as a resource for teacher planning and for building a common language across K-12 mathematics. One of the goals for Tennessee State Standards is to create a common language, and the expectation is that teachers will embed this language throughout their daily lessons. In order to aid your planning, we have also included a list of fluency activities for each lesson. It is expected that fluency practice will be a part of your daily instruction. (Note: Fluency practice is not intended to be speed drills, but rather an intentional sequence to support student automaticity. Conceptual understanding must underpin the work of fluency.

#### Instructional Calendar

As a support to teachers and leaders, an instructional calendar is provided **as a guide**. Teachers should use this calendar for effective planning and pacing, and leaders should use this calendar to provide *support* for teachers. Due to variances in class schedules and differentiated support that may be needed for students, adjustment to the calendar may be required.

### **Grade 4 Quarter 2 Overview**



### **Curriculum and Instruction – Mathematics**

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Module 3: Multi-digit Multiplication and Division Module 4: Angle Measures and Plane Figures

The chart below includes the standards that will be addressed in this quarter, the type of rigor the standards address, and foundational skills needed for mastery of these standards. Consider using these foundational standards to address student gaps during intervention time as appropriate for students.

Focus Grade Level Standard	Type of Rigor	Foundational Standards
4.OA.A.3	Conceptual Understanding Application	3.OA.D.8, 4.NBT.A.3, 4.NBT.B.6
4.OA.B.4	Procedural Skill and Fluency	3.OA.C.7
4.NBT.B.5	Conceptual Understanding Procedural Skill and Fluency	3.NBT.A.2, 3.NBT.A.3, 3.OA.D.5, 3.OA.C.7, 4.NBT.A.1
4.NBT.B.6	Conceptual Understanding Procedural Skill and Fluency	3.OA.B.5, 3.OA.B.6, 3.OA.C.7, 3.NBT.A.2, 4.NBT.A.1, 4.NBT.B.5, 4.NBT.B.6,
4.MD.C.5	Conceptual Understanding	Introductory
4.MD.C.6	Procedural Skill and Fluency	4.MD.C.5
4.MD.C.7	Conceptual Understanding/Application, Procedural Skill and Fluency	4.MD.C.5,1.OA.D.7, 1.OA.D .8
4.G.A.1	Conceptual Understanding Procedural Skill and Fluency	3.G.A.1
4.G.A.2	Procedural Skill and Fluency	4.G.A.1
4.G.A.3	Conceptual Understanding	1.G.A.2



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TN STATE STANDARDS CONTENT **INSTRUCTIONAL SUPPORT VOCABULARY/FLUENCY** Module 3: Multi-Digit Multiplication and Division **Domain:** Numbers and Operations in Base **Essential Questions** Vocabulary **Eureka Parent Newsletter Topic E** How can you use place value and Associative property, composite number, patterns to help you divide mentally? distributive property, divisible, divisor, formula, Cluster: Use place value understanding and Optional Quiz: Topic E properties of operations to perform multi-digit long division, partial product, prime number, What does it mean when you divide. arithmetic and some are left over? remainder **Pacing Considerations** Familiar Terms and Symbols What do you do when there are not Omit Lesson 19, and instead, embed enough hundreds to divide? discussions of interpreting remainders into Algorithm, Area, Area model, Array, bundling, • 4.NBT.B.6 Find whole-number quotients How can you use multiplication to find all other division lessons. Omit Lesson 21 and remainders with up to four dividends grouping, reaming, changing, compare, the factors of a number? because students solve division problems using and one- digit divisors, using strategies the area model in Lesson 20. Using the area distribute, divide, division, equation, factors, How can you sort numbers by their based on place value, the properties of model to solve division problems with factors? mixed units, multiple, multiply, multiplication, operations, and/or the relationship between remainders are not specified in the What hidden questions lie within a perimeter, place value, product, quotient, multiplication and division. Illustrate and Progressions multiple-step problem? explain the calculation by using equations, rectangular array, rows, columns, times as Topic E: Division of Tens and documents. rectangular arrays, and/or area models. many\_\_as \_\_\_\_ Ones with Successive Fluency Practice: Additional resources for enrichment/ Remainders Remediation: Lesson 14: Learning Targets/Objectives: Group Count to Divide Remediation Guide Number Sentences in an Array Lesson 14: I can solve division word problems Divide with Remainders I-Ready Lessons: with remainders. (4.NBT.B.6) Divide Whole Numbers **Lesson 15**: I can understand and solve Lesson 15: division problems with a remainder using the Show values with Number Disks array and area models. (4.NBT.B.6) Lesson 16: I can understand and solve two-**Zearn Lessons- Mission 3** Divide with Remainders digit dividend division problems with a Lesson 14- That's what's left Number Sentences in an Array Lesson 15- All that Remains remainder in the ones place by using place

Lesson 16- Divisible Disks

value disks. (4.NBT.B.6)

Lesson 17- Ten is not the end	
Lesson 18- Divide those Numbers	
Lesson 19- Shell it Out	
Lesson 20- Break and Build	



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TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY/FLUENCY
	Lesson 17: I can represent and solve division		Lesson 16:
	problems requiring decomposing a remainder in		Group Count
	the tens. (4.NBT.B.6)	embarc.online- Module 3	Divide with Remainders
	Lesson 18: I can find whole number quotients	Videos:	1 47.
	and remainders. (4.NBT.B.6)	<ul> <li>Solve division problems: using a</li> </ul>	Lesson 17:
		<u>picture model</u>	Divide Using the Standard Algorithm
	Lesson 19: I can explain remainders by using	Solve division problems: using arrays	Lesson 18:
	place value understanding and models.	Interpret the remainder of a division	Group Count
	(4.NBT.B.6)	problem	Divide Mentally
			Divide Using the Standard Algorithm
	Lesson 20: I can solve division problems	No. 1 I was a	
	without remainders using the area model. (4.NBT.B.6)	<ul><li>I-Ready Lessons</li><li>Relating Division and Multiplication</li></ul>	Lesson 19:
	(4.ND1.D.0)	Divide Whole Numbers	Sprint: Mental Division
		Divide Whole Numbers	Divide Using the Standard Algorithm
	Lesson 21: I can solve division problems with		
	remainders using the area model. (4.NBT.B.6)	Task Bank	Lesson 20
		Mental Division Strategy	Divide Using the Standard Algorithm Find Unknown Factors
		<u>Carnival Tickets</u>	Mental Multiplication
			montal maniphodion
			Lesson 21
			Sprint: Division with Remainders
			Find Unknown Factors



TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY/FLUENCY
<b>Domain:</b> Operations and Algebraic Thinking <b>Cluster:</b> Gain familiarity with factors and	Topic F: Reasoning with Divisibility	Eureka Parent Newsletter: Topic F	Fluency Practice:
multiples	Objectives/Learning Targets	Optional Quiz: Topic F	Lesson 22 Divide Using the Area Model
■ 4.0A.B.4 Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.	Lesson 22: I can find factor pairs for numbers to 100, and use understanding of factors to define prime and composite. (4.OA.B.4)  Lesson 23: I can use division and the associative property to test for factors and observe patterns. (4.OA.B.4)	Pacing Considerations: No pacing adjustments recommended  Additional instructional resources for enrichment/remediation  See Eureka Remediation Guide	Find the Unknown Factor Mental Multiplication  Lesson 23 Use arrays to find factors Multiply Two Factors Prime and Composite
	Lesson 24: I can determine if a whole number is another multiple of another number.  (4.OA.B.4)  Lesson 25: I can explore properties of prime	<ul> <li>Ready teacher- toolbox aligned lessons</li> <li>Lesson 7- Multiples and Factors</li> <li>Zearn lessons- Mission 3</li> <li>Lesson 22: Two of a Kind</li> </ul>	Lesson 24 Group Counting Prime or Composite? Test for Factors
	and composite numbers to 100 by using multiples. (4.OA.B.4)	Lesson 23: Factor Finder Lesson 24: Mighty Multiples Lesson 25: So Prime  embarc.online- Module 3	Lesson 25 Test for Factors Multiples are Infinite List Multiples and Factors
		Determine if a number is prime or composite using area models     Find all the factor pairs of a number using area models     Understand multiples and factors	
		I-Ready Lessons	



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TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY/FLUENCY
	Lesson 32: I can interpret and find whole number quotients and remainders to solve one-step division word problems with larger divisors of 6, 7, 8, and 9. (4.0A.A.3, 4.NBT.B.6)	Videos  Solve division problems: using a picture model Solve division problems: using a arrays Interpret the remainder of a division problem Solve division problems with remainders using the standard algorithm  I-Ready Lessons Relating Division to Multiplication Divide Whole Numbers Dividing Whole numbers Solve Multi-Step Problems  Task Bank Carnival Tickets	Lesson 32: Quadrilaterals Multiply Units Group Count
Domain: Number and Operations in Base Ten Cluster: Use place value understanding and properties of operations to perform multi-digit arithmetic.  4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations. Rectangular arrays, and/or area models.	Topic H: Multiplication of Two-Digit by Two-Digit Numbers  Objectives/Learning Target  Lesson 34: I can multiply two-digit multiples of 10 by two-digit numbers using a place value chart. (4.NBT.B.5)  Lesson 35: I can multiply two-digit multiples of 10 by two-digit numbers using the area model. (4.NBT.B.5)	Pacing Considerations: Lesson 37-38 may be combined. If students are struggling, teach the lessons separately.  Additional instructional resources for enrichment/remediation:  Remediation Guide	Fluency Practice:  Lesson 34: Draw a Unit Fraction List Multiples and Factors List Prime Numbers  Lesson 35: Draw and Label Unit Fractions Divide Three Different Ways Multiply by Multiples of 10

SCS 2018/2019

■Major Work



TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY/FLUENCY
	Lesson 36: I can multiply two-digit by two-digit numbers using four partial products. (4.NBT.B.5)  Lesson 37-38: I can transition from four partial products to the standard algorithm for two-digit by two-digit multiplication. (4.NBT.B.5)	Ready teacher-toolbox aligned lessons  Lesson 11: Multiply Whole Numbers  Zearn- Mission 3 Lesson 34: Freedom of Association Lesson 35: Tens and Ones Split Lesson 36: Area Modeling Lesson 37: The Two Step	Lesson 36: Draw and Label Unit Fractions Divide Three Different Ways  Lesson 37-38: Decompose 90 and 180  Multiply by Multiples of 10 Written Vertically
	End of Module Assessment	Videos:  • Use an area model to multiply a three-digit number by a one-digit number.  I-Ready Lessons: • Multiplying two-digit numbers by one-digit numbers • Multiplying two-digit numbers • Multiplying two-digit numbers Task Bank • Threatened and Endangered • Thousands and Millions of Fourth Graders	



TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY/FLUENCY		
Module 4: Angle Measure and Plane Figures					
Domain: Geometry Cluster: Draw and identify lines and angles and classify shapes by properties of their lines and angles.  ➤ 4.G.A.1 Draw points, lines, line segments, rays, angles (right, acute, obtuse, straight, reflex), and perpendicular and parallel lines. Identify these in two-dimensional figures.			Vocabulary acute angle, acute triangle, adjacent angle, arc, angle, collinear, complimentary, degree, diagonal, equilateral, figure, interior of angle, intersecting lines, isosceles triangle, length of arc, line, line of symmetry, line segment, obtuse angle, obtuse triangle, parallel, perpendicular, point, protractor, ray, right angle, right triangle, scalene triangle, straight angle, supplementary angles, triangle, vertex, vertical angles,  Familiar Terms and Symbols  Decompose, Parallelogram, polygon, quadrilateral, rectangle, rhombus, square, sum, trapezoid  Fluency Practice:  Lesson 1- Multiply Mentally, Add and Subtract, Sides, Angles and Vertices  Lesson 2- Multiply Using Partial Products, Identify Two-Dimensional Figures, Physiometry		
		<ul> <li>Draw points, lines, and line segments</li> <li>Label and name points, lines, rays and angles using math notation</li> <li>Classify and draw various types of angles</li> </ul>	Lesson 3- Multiply Mentally, Identify Two-Dimensional Figures, Physiometry Lesson 4- Divide Mentally, Identify Two-Dimensional Figures,		



TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY/FLUENCY
<ul> <li>Domain: Measurement and Data         Cluster: Geometric measurement:         understand concepts of angle and angle         measures.         <ul> <li>►4.MD.C.5 Recognize angles as geometric             shapes that are formed wherever two rays share             a common endpoint, and understand concepts             of angle measurement:</li></ul></li></ul>	Lesson 6: I can use varied protractors to distinguish angle measure from length	Eureka Parent Newsletter: Topic B  Optional Quiz: Topic B  Pacing Considerations: Topics B and C could be taught directly following Module 3, prior to Module 5, since they offer excellent scaffolding for the fraction work of Module 5.  Additional instructional resources for enrichment/remediation:  Remediation Guide  Ready teacher-toolbox aligned lessons  Lesson 28- Understand Angles  Lesson 29-Measure and Draw Angles  Zearn Lessons- Mission 4 Lesson 6: To a Degree Lesson 7: Make and Measure Lesson 8: Turn, Turn, Turn  embarc.online-Module 4	Lesson 5- Divide Using the Standard Algorithm, Identify Two-Dimensional Figures, Physiometry  Lesson 6- Divide Using the area model, Divide Using the Standard Algorithm, Identify Two- Dimensional Figures, Physiometry  Lesson 7- Break Apart, Physiometry, Identify Angle Measures  Lesson 8- Count by 90°, Break Apart, Physiometry, Sketch Angles



TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY/FLUENCY
		Videos  Introduction to protractors  Measure angles to the nearest degree with protractors  I-Ready Lessons:  Add and Subtract Angle Measures  Using a Protractor	
Domain: Measurement and Data Cluster: Geometric measurement: understand concepts of angle and measure angles.  ➤4.MD.C.7 Recognize angle measure as additive. When an angle is decomposed into non-overlapping parts, the angle measures of the whole is the sum of the angle measures of the parts. Solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems, e.g., by using an equation with a symbol for the unknown angle measure.		Eureka Parent Newsletter: Topic C Optional Quiz: Topic C  Pacing Considerations: Topics B and C could be taught directly following Module 3, prior to Module 5, since they offer excellent scaffolding for the fraction work of Module 5 Additional instructional resources for enrichment/remediation:  Remediation Guide  Ready teacher-toolbox aligned lessons  • Lesson 30-Add and Subtract with Angles  Zearn Lessons- Mission 4 Lesson 9: Sum Angles Lesson 10: The Great Angle Mystery  embarc.online- Module 4  Videos Compose and decompose angles  I-Ready Lessons:  • Add and Subtract Angle Measures	Fluency Practice: Lesson 9- Count by 90°, Break Apart 90, 180, and 360, Physiometry, Sketch Angles  Lessons 10-11- Divide with Number Disks Units, Count by 90°, Break Apart 90, 180, and 360, Physiometry, Divide Different Units, Find the Unknown Angle

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY/FLUENCY
Domain: Geometry Cluster: Draw and identify lines and angles and classify shapes by properties of their lines and angles.	Topic D: Two-dimensional Figures and Symmetry Objectives/Learning Targets	Eureka Parent Newsletter-Topic D  Optional Quiz: Topic D	Fluency Practice:  Lesson 12- Add and Subtract, Find the Quotient and Remainder, Find the Unknown Angle
➤ 4.G.A.1 Draw points, lines, line segments, rays, angles (right, acute, obtuse, straight, reflex), and perpendicular and parallel lines. Identify these in two-dimensional figures.  ➤ 4.G.A.2 Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category and identify right triangles.  ➤ 4.G.A.3 Recognize and draw lines of symmetry for two-dimensional figures.	Lesson 12: I can recognize lines of symmetry for given two-dimensional figures. Identify line- symmetric figures and draw lines of symmetry. (4.G.A.1, 4.G.A.2, 4.G.A.3)  Lesson 13: I can analyze and classify triangles based on side length, angle measure, or both. (4.G.A.1, 4.G.A.2, 4.G.A.3)  Lesson 14: I can define and construct triangles from given criteria. Explore symmetry in triangles. (4.G.A.1, 4.G.A.2, 4.G.A.3)  Lesson 15: I can classify quadrilaterals based on parallel and perpendicular lines and the presence or absence of angles of a specified size. (4.G.A.1, 4.G.A.2, 4.G.A.3)  Lesson 16: I can reason about attributes to construct quadrilaterals on square or triangular grid paper. (4.G.A.1, 4.G.A.2, 4.G.A.2, 4.G.A.3)  End of Module Assessment	Pacing Considerations: No pacing recommendations  Additional resources for enrichment/remediation:  Remediation Guide  Ready-teacher toolbox aligned lessons  • Lesson 32-Classify Two Dimensional Figures • Lesson 33- Symmetry  Zearn lessons- Mission 4 Lesson 12: So Symmetrical Lesson 13: Name That Triangle Lesson 14: What's Your Angle Lesson 15: Four Sides- Four Angles  embarc.online-Module 4  Videos: • Identify line symmetry in regular polygons  I-Ready Lessons • Concepts of Symmetry • Line Symmetry	Lesson 13- Divide Three Different Ways, Physiometry, Lines of Symmetry  Lesson 14- Divide Three Different Ways, Physiometry, Classify the Triangle  Lesson 15- Classify the Triangle, Find the Unknown Angle, Add and Subtract  Lesson 16- Classify the Quadrilateral, Find the Unknown Angle, Add and Subtract



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#### **RESOURCE TOOLBOX**

The Resource Toolbox provides additional support for comprehension and mastery of grade-level skills and concepts. These resources were chosen as an accompaniment to modules taught within this quarter. Incorporated materials may assist educators with grouping, enrichment, remediation, and differentiation.

NWEA MAP Resources: <a href="https://teach.mapnwea.org/assist/help\_map/ApplicationHelp.htm#UsingTestResults/MAPReportsFinder.htm">https://teach.mapnwea.org/assist/help\_map/ApplicationHelp.htm#UsingTestResults/MAPReportsFinder.htm</a> - Sign in and Click the Learning Continuum Tab – this resources will help as you plan for intervention, and differentiating small group instruction on the skill you are currently teaching. (Four Ways to Impact Teaching with the Learning Continuum)

<a href="https://support.nwea.org/khanrit">https://support.nwea.org/khanrit</a> - These Khan Academy lessons are aligned to RIT scores.

https://support.nwea.org/khanrit - These Khan Academy lessons are aligned to RTT scores.					
Textbook Resources	TN State Standards/CCSS	Videos			
Great Minds' Eureka Math	TN Math Standards	Tech Coach Corner PowerPoint and			
	Achieve the Core	Resources Teaching Channel			
		Scholastic Math Study			
		Jams Math TV			
		LeamZillion			
		Khan Academy			
Interactive Manipulatives		Additional Sites			
http://www.eduplace.com/		http://www.k-5mathteachingresources.com/5th-grade-number-			
Illuminations Resources for Teaching Math Interactive Sites for Educators		activities.html			
Math Playground: Common Core Standards		http://embarc.online			
PARCC Games		Edutoolbox Resources			
<u>Virtual Manipulatives</u>		Illustrated Mathematics Dictionary for Kids			
IXL MATH		Parent Roadmap: Supporting Your Child in Grade 5			
Thnikning Blocks: Computer and Ipad based programs		Mathematics			
		011			
	_	Other:			
		Use this guide as you prepare to teach a module for additional guidance in planning, pacing, and suggestions for omissions.			
		Pacing and Preparation Guide (Omissions)			



## SHELBY COUNTY SCHOOLS 2018-2019 MATHEMATICS INSTRUCTIONAL CALENDAR - GRADE 4



October 2018						
Lessons for the Week	Monday	Tuesday	Wednesday	Thursday	Friday	Notes:
Module 3 Topic D: Lessons 12-13 1-day Review Mid Module Assessment Flex (Task) Day	1	2	3	Module 3: Mid Module Assessment Complete	<b>5</b> End of 1 <sup>st</sup> Nine Weeks	Optional Quizzes: Module 3 <u>Topic D</u> <u>Topic E</u> <u>Topic F</u>
	8	9	10	11	12	(Quizzes should not take more than 15 minutes to administer)
	October Davis	F	Fall Break	,		Note: <i>Flex days</i> are included in the instructional calendar to allow
Module 3	Columbus Day	10		10	10	opportunities for review, district testing, tasks and other school-based
Topic E: Lessons 14-18 (Omit Lesson 19)	Begin 2 <sup>nd</sup> Nine Weeks	16	17	18	19	activities. (See curriculum map for Task Bank)  Omit Lesson 19
Module 3 Topic E: Lesson 20 (Omit Lesson 21) Topic F: Lesson 22-25	22	23	24	25	26	Omit Lesson 21
Module 3 Topic G: Lesson 26-30 (Omit Lesson 31)	29	30	31  Halloween		2	



## SHELBY COUNTY SCHOOLS 2018-2019 MATHEMATICS INSTRUCTIONAL CALENDAR - GRADE 4



			Novembe	er 2018		
Lessons for the Week	Monday	Tuesday	Wednesday	Thursday	Friday	Notes:
Module 3 Topic G: Lesson 26-30 (Omit Lesson 31)				1	2	Omit Lesson 31
Module 3 Topic G: Lesson 32 (Omit Lesson 33) Topic H: Lessons 34-37	5	6	7	8	9	Omit Lesson 33  Optional Quizzes: Module 3 <u>Topic G</u> <u>Topic H</u>
Module 3 Topic H: Lesson 33 1-day Review End of Module Assessment Module 4 Topic A: Lesson 1	Veteran's Day (Out)	13	14	Module 3: End of Module Assessment Complete	16	(Quizzes should not take more than 15 minutes to administer)  Optional Quizzes: Module 4 <u>Topic A</u> <u>Topic B</u>
Module 4 Topic A: Lessons 2-4 (Combine Lesson 3/4)	19	20	21	22	23	(Quizzes should not take more than 15 minutes to administer)
			Tha	anksgiving Bre	ak	Combine Lesson 3 and 4
Module 4 Topic B: Lessons 5-8 1-day Review	26	27	28	29	30	



## SHELBY COUNTY SCHOOLS 2018-2019 MATHEMATICS INSTRUCTIONAL CALENDAR - GRADE 4



			Decembe	r 2018		
Lessons for the Week	Monday	Tuesday	Wednesday	Thursday	Friday	Notes:
Module 4 Mid Module Assessment Flex (NWEA) Day Topic C: Lessons 9-11	Module 4: Mid Module Assessment Complete	4	5	6	7	Note: <i>Flex days</i> are included in the instructional calendar to allow opportunities for review, district testing, tasks and other schoolbased activities. (See curriculum map for Task Bank)
Module 4 Topic D: Lessons 12-16 (Combine 15/16) 1-day Review	10	11	12	13	14	Combine Lesson 15 and 16
Module 4 End of Module Assessment 2-day Flex (Task Day)	Module 4: End of Module Assessment	18	19	20	21	Optional Quizzes: Module 4 <u>Topic C</u> Topic D
2-day Flex (Task Day)	Complete				· Break	(Quizzes should not take more than 15 minutes to administer)
	24	25	26	27	28	
	-					
	31	1	2	3	4	
	Winter Brea	ak				