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Module 1	Module 2 Sont 17 Oct 22	Module 3 Oct. 23 Nov. 27	Module 4	Module 5	Module 6 March 18 April 12	After Testing
tios and Unit Rates	Arithmetic Operations Including Division of Fractions	Rational Numbers	Expressions and Equations	Area, Surface Area & Volume	Statistics	Lessons from Modules 1, 2, 4, 5 & 6
6.RP.1	6.NS.1	6.NS.5	6.EE.1	6.G.1	6.SP.1	6.RP.3
6.RP.2	6.NS.2	6.NS.6	6.EE.2	6.G.2	6.SP.2	6.NS.4
6.RP.3	6.NS.4	6.NS.7	6.EE.3	6.G.3	6.SP.3	6.EE.2c
	6.NS.4	6.NS.8	6.EE.4	6.G.4	6.SP.4	6.EE.6
			6.EE.5		6.SP.5	6.EE.7
			6.EE.6			6.G.2
			6.EE.7			6.G.4
			6.EE.8			6.SP.2
			6.EE.9			6.SP.3
						6.SP.4
						6.SP.5

Supporting Content

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

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)

Eureka Grade 6 Pacing and Preparation Guide

Major Content



Supporting Work ≻

SCS 2018/2019 Revised 7/5/18 CSH 1 of 20



Grade 6

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?



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



SCS 2018/2019 Revised 7/5/18 csh 2 of 20



Grade 6

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.



SCS 2018/2019 Revised 7/5/18 сsн 3 of 20



Grade 6

Structure of the Standards

Structure of the TN State Standards include:

Quarter 4

- 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.



SCS 2018/2019 Revised 7/5/18 _{CSH} 4 of 20



Grade 6

How to Use the Maps

Quarter 4

Overview

An overview is provided for each guarter 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.



Major Work

Supporting Work \geq

SCS 2018/2019 Revised 7/5/18 CSH 5 of 20



Grade 6

Grade 6 Quarter 4 Overview

Module 6: Statistics

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.

Grade Level Standard	Type of Rigor	Foundational Standards
6.SP.1	Conceptual Understanding	5.MD.B.2
6.SP.2	Conceptual Understanding	5.MD.B.2
6.SP.3	Conceptual Understanding	
6.SP.4	Procedural Fluency	5.MD.B.2
6.SP.5	Conceptual Understanding	

Major	Work	> 5	Supporting Work	

SCS 2018/2019 Revised 7/5/18 _{CSH} 6 of 20



Quarter 4

Grade 6

	CONTENT		
TN STATE STANDARDS	CONTENT		VUCABULARY
	Module 6	Statistics	
If pacing is a challenge, do lessons (1, 3,	6, 9, 12, 14-15 & 21) highlighted in <u>red</u> befo	re the TNReady assessment. Please follow	w any applicable special instructions that
are listed below. As time permits the	he remaining lessons can be addressed. A	djust the mid-module and end-of-module a	ssessments as needed or create an
	Grade 6 Pacing and	Proparation Guida	
	(Allow approximately 4 weeks for in	struction, review and assessment)	
	(-		
Domain : Statistics and Probability	Essential Question(s):	Topic A: Understanding Distributions	Vocabulary for Module 6
Cluster: Develop understanding of statistical	 What types of questions will result in 	Lesson 1	Absolute Deviation Box Plot, Dot Plot Frequency, Frequency Table, Mean
	statistical variability?		Mean Absolute Deviation (MAD), Median,
▶ 6.SP.A.1: Recognize a statistical question	 How can relevant data be collected, organized, and displayed to address 	Lesson 2 You may want to introduce the	Relative Frequency, Relative Frequency Table
as one that anticipates variability in the	statistical questions?	Lesson 3 vocabulary of center (mean, median and mode) in lessons	Statistical Question, Variability, Stem and Leaf Plot Range Mode
for it in the answers. For example, "How	What are appropriate displays for categorical	2 and 3. The term <i>mode</i> is not	
old am I?" is not a statistical question, but	data? What are appropriate displays for quantitative data?	discussed much at all in the	Familiar Terms and Symbols for Module 6
"How old are the students in my school?" is	What can the shape of a statistical graph	Common Core but it is	Line plot, Dot plot
anticipates variability in students' ages.	(dot plot or box plot) reveal about the data?	Math Standards, and median	
		is covered in lesson 12.	
6.SP.A.2: Understand that a set of data collected to approve a statistical question	Topic A Objectives:		
has a distribution which can be described	Lesson 1:	Lesson 4 The TN 6th Grade Math	
by its center (mean, median, mode),	Students distinguish between statistical	Lesson 5 Standard 6.SP.B.4 no longer	
spread (range), and overall shape.	 Students formulate a statistical question and 	addresses histograms. In lessons 4.8.5 replace the use of	
Cluster: Summarize and describe	explain what data could be collected to	histograms to pie charts or stem	
distributions.	answer the question.	plots.	
6 SD B 4: Display a single set of	 Students distinguish between categorical data and numerical data. 		
numerical data using dot plots (line plots).	Lesson 2:	For Topic A you may use the resources	
box plots, pie charts and stem plots.	Given a dot plot, students begin describing	from Teacher Toolbox Lessons 26:	
6 SP B 5h: Describe the nature of the	the distribution of the points on the dot plot	Understand Statistical Questions and 28:	
attribute under investigation, including	in terms of center and variability.	Box Plots for review, remediation, and/or	
how it was measured and its units of		assessment to meet the needs of your	
Major Work	Supporting Work		

SCS 2018/2019 Revised 7/5/18 _{CSH} 7 of 20



Curriculum and Instruction – Mathematics

Grade 6

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY
measurement.	Lesson 3:	students.	
	 Students create a dot plot of a given data set. Students summarize a given data set using equal length intervals and construct a frequency table. Based on a frequency table, students describe the distribution. Lesson 4 Students construct a frequency-histogram stem and leaf plot. Students recognize that the number of intervals used may affect the shape of a histogram stem plot. Lesson 5 Students recognize that the shape of a histogram stem and leaf plot. Students construct a relative frequency histogram stem plot. Lesson 5 Students recognize that the shape of a histogram stem and leaf plot. Students recognize that the shape of a histogram stem and leaf plot constructed using relative frequencies is the same as the shape of the histogram stem and leaf plot constructed using frequencies (provided that the same intervals are used). 	M6 Topic A Assessment Additional Resources: These optional resources may be used for extension, enrichment and/or additional practice, as needed. Khan Academy: Stem and Leaf Plots Purple Math: Stem and Leaf Plots vs Histograms Math is Fun: Pie Charts Khan Academy: Dot Plots Shape of Distributions Illustrative Math: Buttons - A Statistical Question 6.SP.A.1 Illustrative Math: Describing Distributions 6.SP.2, 6.SP.4	
Domain: Statistics and Probability	Essential Questions:	Topic B: Summarizing a Distribution That Is	
Cluster: Develop understanding of statistical variability.	 What do the measures of center (mean and median) reveal about the data? 	Approximately Symmetric Using the Mean and Mean Absolute Deviation	
6.SP.A.2 Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center (mean, median, mode), spread (range), and overall shape.	 When is it appropriate to use median or mean to describe data? When is it not appropriate? What does the range reveal about the data? What does the mean absolute deviation 	(The TN 6 th Grade Math Standard 6.SP.B.4 specifies a single set of data, includes pie charts and stem plots and excludes histograms.)	
6.SP.A.3 Recognize that a measure of	reveal about the data?	Lesson o Lesson 7	
Major Work	Supporting Work		



Quarter 4

Grade 6

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY
 Center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number. Cluster: Summarize and describe distributions. 6.SP.B.4 Display a single set of numerical data using dot plots (line plots), box plots, pie charts and stem plots. 6.SP.B.5 Summarize numerical data sets in relation to their context. a. Report the number of observations. C. Give quantitative measures of center (median and/or mean) and variability (range) as well as describing any overall pattern with reference to the context in which the data were gathered. d. Relate the choice of measures of center to the shape of the data distribution and the context in which the data were gathered. 	 CONTENT What can the shape of a statistical graph (dot plot, stem and leaf plot, or box plot) reveal about the data? Topic B Objectives Lesson 6: Students describe the center of a data distribution using a <i>fair share</i> value called the <i>mean</i>. Students connect the <i>fair share</i> concept with the mathematical formula for finding the mean. Etesson 7: Students describe the center of a data distribution by its mean and interpret it as a balance point. Students understand that the mean is a balance point by calculating the distances of the data points from the mean and calling these distances <i>deviations</i>. Students understand that the balance point Lesson 8: Students interpret the mean of a data set as a typical value. Students compare and contrast two small data sets that have the same mean but differ in variability 	INSTRUCTIONAL SUPPORT Lesson 8 Lesson 9 Lesson 10 Lesson 11 This lesson asks students to describe two data sets. However, 6.SP.4 only addresses a single data set. Adjust parts of the lesson that require students to describe/draw two data sets. For Topic B, you may use the resources from Teacher Toolbox Lesson 27: Measures of Center and Variability for review, remediation, and/or assessment to meet the needs of your students. M6 Topic B Assessment Mid-Module 6 Assessment & Review of Assessment In mid-module assessment #2, replace creating a histogram for a pie chart or stem plot, adjust parts b-d to refer to the data display chosen (pie chart or stem plot), and remove part e because it uses 2 data sets.] (Complete by 3/29/19)	VOCABULARY
	 differ in variability. Students see that a data distribution is not abare to induce the sector. 	M6 Mid-Module Alternate Assessment	
	 characterized only by its center. Students also consider variability (spread) when describing a data distribution. Students informally evaluate how precise the mean is as an indicator of a typical value for a distribution, based on the variability in the data. 	Additional Resources: These optional resources may be used for extension, enrichment and/or additional practice, as needed. Illustrative Math: Average Number of Siblings <u>6.SP.2, 6.SP.4, 6.SP.5c</u>	

Supporting Work



Curriculum and Instruction – Mathematics

Grade 6

TN STATE STANDARDS		INSTRUCTIONAL SUPPORT	
IN STATE STANDARDS	 Students use dot plots to order data distributions according to the variability around the mean of the data distribution. Lesson 9: Students calculate the mean absolute deviation (MAD) for a given data set. Students interpret the MAD of a data set as the average distance of the data values from the mean. Lessons 10-11: Students calculate the mean and MAD for a data distribution. Students use the mean and MAD to describe a data distribution in terms of center and variability. 	Illustrative Math: Electoral College 6.SP.2, 6.SP.5d Illustrative Math: Math Homework Problems 6.SP.5c	VOCABULARY
 Domain: Statistics and Probability Cluster: Develop understanding of statistical variability. 6.SP.A.2 Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center (mean, median, mode), spread (range), and overall shape. 6.SP.A.3 Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number. Cluster: Summarize and describe distributions. 6.SP.B.4 Display a single set of numerical 	 Essential Question(s): What inferences and predictions can be made based on the data set as a whole? Topic C Objectives Lesson 12: Given a data set, students determine the median of the data. Lesson 13: Given a set of data, students describe how the data might have been collected. Students describe the unit of measurement for observations in a data set. Students calculate the median of the data and describe the variability in the data by calculating the interquartile range. Lesson 14: Students construct a box plot from a given 	Topic C: Summarizing a Distribution That Is Skewed Using the Median and the Interquartile Range(The TN 6th Grade Math Standard 6.SP.B.5 no longer refers to interquartile range.)Lesson 12Adjust this lesson to include modeLesson 13Lesson 13 focuses on interquartile range. Adjust the entire lesson to help students think about variability of data to find ranges eliminating the use of interquartile range terminology and concept.Lesson 14In lessons 14. 15. and 16	
b.SP.B.4 Display a single set of numerical	Cumporting Wards	Lesson 14 In lessons 14, 15, and 16	
Intajor work	► Supporting Work		

SCS 2018/2019 Revised 7/5/18 _{CSH} 10 of 20



Curriculum and Instruction – Mathematics

Grade 6

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY
 data using dot plots (line plots), box plots, pie charts and stem plots. 6.SP.B.5 Summarize numerical data sets in relation to their context. b. Report the number of observations. c. Give quantitative measures of center (median and/or mean) and variability (range) as well as describing any overall pattern with reference to the context in which the data were gathered. d. Relate the choice of measures of center to the shape of the data distribution and the context in which the data were gathered. 	 set of data. Lesson 15: Given a box plot, students estimate the values that make up the five-number summary (Minimum, Q1, Median, Q3, Maximum). Students describe a data set using the five-number summary and the interquartile range. Students construct a box plot from a five-number summary. Lesson 16: Students summarize a data set using box plots, the median, and the interquartile range. Students use box plots to compare two data distributions. 	Lesson 15 Lesson 16remove references to quartile ranges and adjust to think about analyzing range.For Topic C, you may use the resources from Teacher Toolbox Lesson 29: Analyze Numerical Data for review, remediation, and/or assessment to meet the needs of your students.Additional Resources: These optional resources may be used for extension, enrichment and/or additional practice, as needed.Illustrative Math: Is It Center or Is It Variability? 6.SP.2, 6.SP.3 Illustrative Math: Mean or Median 6.SP.5d	
 Domain: Statistics and Probability Cluster: Summarize and describe distributions. 6.SP.B.4 Display a single set of numerical data using dot plots (line plots), box plots, pie charts and stem plots. 6.SP.B.5 Summarize numerical data sets in relation to their context. a. Report the number of observations. c. Give quantitative measures of center (median and/or mean) and variability (range) as well as describing any overall pattern with reference to the context in which the data were gathered. d. Relate the choice of measures of 	 Essential Question(s): How does the type of data influence the choice of display? What conclusions can be drawn from data? Topic D Objectives Lesson 17: Students formulate a statistical question and a plan to collect data to answer the question. Given a statistical question, students use data to construct appropriate graphical and numerical summaries. Students use graphical and numerical summaries to answer a statistical question. 	Lesson 18 In lesson 18 remove the use of histograms and/or stem plots. Also remove references to quartile ranges.) Lesson 19 Adjust lesson 19 to be	

Major Work

SCS 2018/2019 Revised 7/5/18 _{CSH} 11 of 20



Curriculum and Instruction – Mathematics

Grade 6

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	
center to the shape of the data distribution and the context in which the data were gathered.	 Students demonstrate an understanding of graphical representations (dot plots, pie charts or stem plots histograms) and numerical summaries by matching numerical summaries to graphical representations of distributions. Lesson 19: Given box plots, students comment on similarities and differences in data distributions. Lesson 20: Given a frequency chart histogram, students estimate the values of the mean and mean absolute deviation (MAD) or the median and interquartile range (IQR). Lesson 21: Given a data set, students describe the data distribution using the mean and mean absolute deviation (MAD) or the median and the interquartile range (IQR). 	INSTRUCTIONAL SUPPORT about a single set of data vs. multiple. Also remove references to quartile ranges and adjust to think about analyzing range.) Lesson 20 Omit lesson 20 or remove the histogram problems and replace with stem plots or pie charts Lesson 21 Lesson 22 Omit Lesson 22 Omit State of the resources from Teacher Toolbox Lesson 29: Analyze Numerical Data for review, remediation, and/or assessment to meet the needs of your students. End of Module 6 Assessment & Review of Assessment In the end-of-module assessment, remove 1d and the piece on IQR from 1e, remove 2d on IQR and adjust #3 to discuss variability/range not IQR.] (Complete by 4/12/19) Additional Resources: These optional resources may be used for extension, enrichment and/or additional practice, as needed. Task: Cost of Learning 6.SP.B.5 (See TOC p. 12) CPalms: Analyzing Data with Bell Curves and Measures of Center	



SCS 2018/2019 Revised 7/5/18 сsн 12 of 20



Quarter 4			Grade 6					
TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY					
After TNReady Assessment This section lists lessons that were recommended to be taught after The State assessment. The Teacher Toolbox is a great resource to use to cover the lessons and you may also use the web resources that are provided below and in each of the instructional maps.								
For this module complete only the less go to the next module listed.	Module 6 ons that you did not do before state to	o Statistics: esting. If you completed these lessons l	before the state assessment, please					
 > 6.SP.A.1 > 6.SP.A.2 > 6.SP.B.4 > 6. SP.B.5b 		Topic A Lesson 2 Displaying a Data Distribution (P)Teachers may choose not to complete lessons 4 & 5 because histograms are no longer a part of the TN Math standards for grade 6; however, students will need this information for algebra 1.Lesson 4 Creating a Histogram (P) Lesson 5 Describing a Distribution Displayed in a Histogram (P)						
 > 6.SP.A.2 > 6.SP.A.3 > 6.SP.B.4 > 6.SP.B.5 		Topic B Lesson 7 The Mean as a Balance Point (P) Lesson 8 Variability in a Data Distribution (P) Lessons 10 & 11 Describing Distribution Using Mean and MAD-(P)						
			1					



14 of 20

Quarter 4

Grade 6

TN STATE STANDARDS	CONTENT	INSTRUCTIONAL SUPPORT	VOCABULARY
≻ 6.SP.A.2		Topic C	
> 6.SP.A.3		Teachers may choose not to complete lesson	
> 6.SP.B.4		<u>13 because interquartile range is no longer a</u>	
✓ 0.3F.D.3		part of the IN Math standards for grade 6;	
		algebra 1	
		Lesson 13 Describing Variability Using the	
		Interquartile Range (IQR) (P)	
		Lesson 16 Understanding Box Plots (P)	
	no that ware altimated or on	itted during guartars 4.2 ha	
The following are lesso	is that were skipped or om	itted during quarters 1-3 be	cause they either went
beyond the scope of	the correlated standard(s)	or repeated a skill presente	a in related lessons.
	Module 1: Ratio	s and Unit Rates	
6.RP.A.3c Find a percent of a quantity as		Topic D	
a rate per 100 (e.g., 30% of a quantity		Lesson 20 Calving Dercent Problems (E)	
problems involving finding the whole		Lesson 29 Solving Percent Problems (E)	
given a part and the percent.			
9 a part and the percent.			
Major Work SCS 2018/2019 Revised 7/5/18 csu	Supporting Work		



Quarter 4

Grade 6

Module 2: Arithmetic Operations					
 6.NS.B.4 Find the greatest common factor of two whole numbers less than or equal to 100 and the lease common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1-100 with a common factor as a multiple of a sum of two whole numbers with no common factor. For example, express 36 + 8 as 4(9+2). 	Topic C Lesson 16 Even and Odd Numbers (S) Lesson 17 Divisibility Test for 3 and 9 (S) Lesson 19 The Euclidean Algorithm as an Application of the Long Division Algorithm (P) Better Lesson GCF Performance Task				
	Module 4: Expressions & Equations				
 6.EE.2c Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations). 6.EE.6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set. 6.EE.7 Solve real-world and mathematical problems by writing and solving equations of the form x + p = q and px = q for cases in which p, q and x are all nonnegative rational numbers. 	Topic C Lesson 7 Replacing Letters with Numbers (P) Topic G Lesson 28 Two-step Problems – All Operations (M) Lesson 29 Multi-step Problems – All Operations (P) Topic H Lesson 30 One-step Problems in the Real World (P) This task provides an opportunity for students to engage in the skills from these three standards. Gym Use Task: Addresses 6.EE.2c, 6.EE.B.6 & 6.EE.B.7				

Major Work

Supporting Work

SCS 2018/2019 Revised 7/5/18 сsн 15 of 20



Grade 6

Module 5: Surface Area and Volume Problems				
 6.G.A.2 Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas V = I w h and V = b h to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems. 6.G.A.4 Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world real- 	Module 5: Surface Area and Volume Problems Topic D Lesson 18 Determining Surface Area of Three-Dimensional Figures (P) Lesson 19a Optional lesson - Applying Surface Area and Volume to Aquariums (M) These resources provide visuals for drawing and using nets. Drawing Nets & Usino Nets to Calculate Surface Area & Volume Lesson Video Learner.org Interactives: Geometry 3D Shapes			
techniques in the context of solving real- world and mathematical problems.				

Major Work

SCS 2018/2019 Revised 7/5/18 _{CSH} 16 of 20



Grade 6

RESOURCE TOOLBOX					
The Resource Toolbox provides additional support for comprehension and mastery of grade-level skills and concepts. While some of these resources are imbedded in the map, the use of these categorized materials can assist educators with maximizing their instructional practices to meet the needs of all students.					
NWEA MAP Resources: <u>https://teach.mapnwea.org/assist/help_map/ApplicationHelp.htm#UsingTestResults/MAPReportsFinder.htm</u> - 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) <u>https://support.nwea.org/khanrit</u> - These Khan Academy lessons are aligned to RIT scores.					
Textbook Resources	Standards Support	Videos			
www.greatminds.org	TN Math Standards	Learn Zillion			
Eureka Math Grade 6 Remediation Guide	Gr. 6 Instructional Focus Document Achieve the Core Edutoolbox	Khan Academy			
Calculator Activities	Interactive Manipulatives	Additional Sites			
TI-83 & TI-84 Activities for Middle Grades	Glencoe Virtual Manipulatives	Embarc Online			
TI-Inspire for Middle Grades	National Library of Interactive Manipulatives	PBS: Grades 6-8 Lesson Plans			
CASIO Activities		Grade 6 Flip Book (This book contains valuable resources that help develop the intent, the understanding and the implementation of the state standards.)			



SCS 2018/2019 Revised 7/5/18 _{CSH} 17 of 20



Quarter 4

Grade 6

	Shelby County Schools – Grade 6 – March 2019				
Mon	Tue	Wed	Thu	Fri	
				1	
4	5	6	7	8	
11	12	13	14	15	
Spring Break	Spring Break	Spring Break	Spring Break	Spring Break	
18 Q4 Begins Begin Module 6	19	20	21	22	
25	26	27	28	29 Mid-Module 6 Assessment (omit #2b) & Review	

Major Work

Supporting Work

SCS 2018/2019 Revised 7/5/18 _{CSH} 18 of 20



Grade 6

Shelby County Schools – Grade 6 – April 2019					
Mon	Tue	Wed	Thu	Fri	
1 Module 6 Topic C (omit IQR from lessons 13, 14, 16, 18, & 19) (do lesson 17 after TNReady)	2	3	4	5	
8	9	10	11 End-of-Module 6 Assessment & Review	12 End-of-Module 6 Assessment & Review	
15 State Assessment Week	16	17	18	19 <u>Good Friday</u> (no school)	
22 State Assessment Week	23	24	25	26	
29 Begin Module 6 Lessons recommended to be done after state assessment.	30				

Major Work

Supporting Work

SCS 2018/2019 Revised 7/5/18 _{CSH} 19 of 20



Grade 6

Shelby County Schools – Grade 6 – May 2019					
Mon	Tue	Wed	Thu	Fri	
		1	2	3	
6 Begin Modules 1 & 2 Lessons recommended to be done after state assessment.	7	8	9	10	
13 Begin Modules 4 & 5 Lessons recommended to be done after state assessment.	14	15	16	17	
20	21 Semester Exams	22 Semester Exams	23 Semester Exams	24 Last Day of School	
27 Memorial Day	28	29	30	31	

Major Work

Supporting Work

SCS 2018/2019 Revised 7/5/18 _{CSH} 20 of 20