

# 7<sup>th</sup> Grade Pacing Guide

Goal of the Department: All 7<sup>th</sup> grade students will be prepared to successfully master content at the grade level especially on the state assessment. We will address missed concepts from prior years especially due to COVID.

## Assessment Calendar

Assessment	Date	Materials	Notes
IReady Diagnostic	September	laptop	
IReady Midyear	January		
IReady end of year	June		
Right Path Baseline	October 25-29, 2021	Laptop	
Right Path Benchmark	February 1-4, 2022	Calculator	
Right Path Mock	March 28-31, 2022	Scrap paper, pencil/pen	
State Test	April 26-28, 2022	Calculator, pencil,	
Timeline	Standard		Lesson(s)
Date	Baseline Assessment		Diagnostic
September/October	<b>7.NS.3</b> Solve real-world and mathematical problems involving the four operations with rational numbers		Understanding Integers and Absolute Value
	<b>7.NS.1</b> Apply and extend previous understanding of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram		Adding Integers
	<b>7.NS.1</b> Apply and extend previous understanding of addition and subtraction to add and subtract rational numbers; represent addition and		Subtracting Integers

	subtraction on a horizontal or vertical number line diagram	
	<b>7.NS.1</b> Apply and extend previous understanding of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram	<b>Multiplying/Dividing Integers</b>
<b>October – November</b>	<p><b>7.RP.1</b> Compute unit rates associated with ratios of fractions, including ratios of lengths, areas, and other quantities measured in like or different units.</p> <p><b>7.NS.3</b> Solve real-world and mathematical problems involving the four operations with rational numbers.</p>	<b>Finding Ratios</b> <b>Finding Unit Rates</b>
	<p><b>7.RP.2</b> Recognize and represent proportional relationships between quantities.</p> <p><b>7.RP.2a</b> Decide whether two quantities are in a proportional relationship, e.g., by testing for equivalent ratios in a table or graphing on a coordinate plane and observing whether the graph is a straight line through the origin.</p>	<b>Recognizing and Graphing Proportional Relationship</b>
	<b>7.RP.2c</b> Represent proportional relationships by equations	<b>Solve problems using proportions</b>
	<b>7.RP.2b</b> Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams,	<b>Identify rates of change from graphs and tables</b>

<b>December</b>	<p>and verbal descriptions of proportional relationships.</p> <p><b>7.RP.2d</b> Explain what a point <math>(x,y)</math> on the graph of a proportional relationship means in terms of the situation with special attention to the points <math>(0,0)</math> and <math>(1, r)</math> where <math>r</math> is the unit rate.</p>	
	<b>Assessment</b>	Chapter 1-2
	<p><b>7.RP.3</b> Use proportional relationships to solve multistep ratio and percent problems. Example simple interest, tax, markups and markdowns, gratuities, and commissions, fees, percent increase/decrease, percent error</p>	Finding the percent of a number
	<p><b>7.RP.3</b> Use proportional relationships to solve multistep ratio and percent problems. Example simple interest, tax, markups and markdowns, gratuities, and commissions, fees, percent increase/decrease, percent error</p>	Solving problems using the percent proportion
	<p><b>7.RP.3</b> Use proportional relationships to solve multistep ratio and percent problems. Example simple interest, tax, markups and markdowns, gratuities, and commissions, fees, percent increase/decrease, percent error</p>	Solving problems using the percent equation
	<p><b>7.RP.3</b> Use proportional relationships to solve multistep ratio and percent problems. Example simple interest, tax, markups and markdowns, gratuities, and commissions, fees, percent increase/decrease, percent error</p>	Calculating the percent of change/error

	<b>7.RP.3</b> Use proportional relationships to solve multistep ratio and percent problems. Example simple interest, tax, markups and markdowns, gratuities, and commissions, fees, percent increase/decrease, percent error	Solving problems involving sales tax, tips, and discounts
	Assessment	<b>Chapter 3</b>
December- January	<b>7.NS.2</b> Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers	Converting numbers between fractions and decimals
	<b>7.EE.3</b> Solve multistep real life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals) using tools strategically. Apply properties of operations to calculate with numbers in any form, convert between forms as appropriate and assess the reasonableness of answers using mental computation and estimation strategies.	Comparing and ordering rational numbers
	<b>7.NS.1</b> Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers, represent addition and subtraction on a horizontal or vertical numberline diagram. <b>7.NS.3</b> Solve real world and mathematical problems involving the four operations with rational numbers	Adding and Subtracting Rational Numbers

	<p><b>7.NS.2</b> Apply and extend previous understandings of multiplication of multiplication and division to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.</p> <p><b>7.NS.3</b> Solve real-world and mathematical problems involving the four operations with rational numbers</p>	<p><b>Multiplying/Dividing Rational Numbers</b></p>
<p><b>January-February</b></p>	<p><b>7.EE.A2</b> Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.</p>	<p><b>Writing/Evaluating Algebraic Expressions</b></p>
	<p><b>7.EE.1</b> Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.</p>	<p><b>Using math properties to simplify expressions</b></p>
	<p><b>7.EE.2</b> Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related</p>	<p><b>Simplifying Algebraic Expressions</b></p>
	<p><b>7.EE.1</b> Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.</p>	<p><b>Adding and Subtracting Linear Expressions</b></p>
	<p><b>7.EE.1</b> Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.</p>	<p><b>Factoring linear expressions</b></p>

	7.EE.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities.	Solving one step equations (all operations including rational coefficients)
	7.EE.4a Solve word problems leading equations of the form $px + q = r$ and $p(x + q) = r$ where $p$ , $q$ , and $r$ are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach.	Solving two step equations Solving equations involving distributive property
	7.EE.4b Solve word problems leading to inequalities of the form $px + q > r$ or $px + q < r$ where $p$ , $q$ , and $r$ are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem.	Solve one step inequalities Solving two step inequalities
March	7.G.1 Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing, and reproducing a scale drawing at a different scale.	<b>Finding the area of rectangles, right triangles</b> Solving problems involving scale drawings
	7.G.4 Know the formulae for the area and circumference of a circle and use them to solve problems, give an informal derivation of the relationship between the circumference and area of a circle	Finding the circumference and area of circles
	7.SP.5 Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring.	Finding the probability of an event

	7.SP.6 Approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency, and predict the approximate relative frequency given the probability.	
	7.SP.7 Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.	Comparing experimental vs theoretical probability
	7.SP.8 Find probabilities of compound events using organized lists, tables, tree diagrams and simulation	Finding the probability of compound events
	7.SP.8 Find probabilities of compound events using organized lists, tables, tree diagrams and simulation	Counting principle/finding probability of independent/dependent events
April	7.SP.1 Understand that statistics can be used to gain information about a population by examining a sample of the population, generalizations about a population from a sample are valid only if the sample is representative of that population 7.SP.2 Use data from a random sample to draw inferences about a population with an unknown characteristic of interest.	Using sample groups to make predictions
	7.SP.3 Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities.	Drawing inferences about two populations

	7.SP.4 Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations.	
****	Post 6th Grade Standards that should be addressed during 7th Grade and necessary for the test include 6.SP.1, 6. SP.2, 6. SP.3, - Statistical Variability 6.SP.4, 6. SP.5 - Summarize and Describe distributions	Statistical Variability  Summarize and Describe Distributions
April 26-28	<b>State Test</b>	
Post Test Standards		
May-June	7.G.2 Draw triangles given conditions- constructions	
	7.G.3 Describe 2D slices of 3D solids	
	7.G.5 Use angle properties to solve for unknown angles	
	7.G.6 Area, surface area, and volume	
	8.G.9 Volume of Cylinders, Cones, Spheres	
	8.EE.7 Solve linear equations in one variable Order of Operations Properties of Numbers Plotting Points Completing table of values in slope intercept form. Graphing lines, quadratics, absolute value using the ordered pair.	

Here is a more detailed calendar view.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9/20	9/21	9/22	9/23	9/24
FLEX	FLEX	FLEX	1.1 7NS1a	1.2 7NS2d
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9/27	9/28	9/29	9/30	10/1
1.3 7NS1	1.4 7NS1	1.5 7NS1	Mid quiz	1.6 7NS2a
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10/4	10/5	10/6	10/7	10/8
1.7 7NS2	1.8 7NS2b	1.9 7NS2	1.10 7NS3	REVIEW
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10/11	10/12	10/13	10/14	10/15
OFF	TEST	2.1 7RP1	2.2 7RP1	2.3 7RP2a
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10/18	10/19	10/20	10/21	10/22
2.4 7RP2b	MIDCHAP QUIZ	2.5 7RP2a	2.6 7RP2	Review
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10/25	10/26	10/27	10/28	10/29
Test	3.1 7RP3	3.2 7RP2c	3.3 7RP2c	MIDCHAP QUIZ
	Right Path Baseline			
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11/1	11/2	11/3	11/4	11/5
3.4 7RP3	3.5 7RP3	3.6 7RP3	Review	TEST
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11/8	11/9	11/10	11/11	11/12

4.1 7EE3	4.2 7EE1	4.3 7EE1	OFF	4.4 7EE1
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
11/15	11/16	11/17	11/18	11/19
4.5 7EE1	MIDCHAP QUIZ	4.6 7EE1	4.7 7EE1	4.8 7EE2
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
11/22	11/23	11/24	11/25	11/26
Review	Test	CATCH-UP /FLEX	OFF	OFF
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
11/29	11/30	12/1	12/2	12/3
1-4 Savass end of Course <b>Practice/ Review</b> Cumulative Benchmark	1-4 Savass end of Course <b>Practice/ Review</b> Cumulative Benchmark	1-4 Savass end of Course <b>Practice/ Review</b> Cumulative Benchmark	1-4 Savass Mid Course Cumulative Benchmark (*Please have done by 12/10)	1-4 Savass Mid Course Cumulative Benchmark (*Please have done by 12/10)
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
12/6	12/7	12/8	12/9	12/10
5.1 7EE4	5.2 7EE3	5.3 7EE3	MIDCHAP QUIZ	5.4 7EE4b
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
12/13	12/14	12/15	12/16	12/17
5.5 7EE4b	5.6 7EE4b	5.7 7EE4b	REVIEW	TEST
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
12/20	12/21	12/22	12/23	12/24
CATCH-UP /FLEX	CATCH-UP /FLEX	CATCH-UP /FLEX	CATCH-UP /FLEX	OFF
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
12/27	12/28	12/29	12/30	12/31
OFF	OFF	OFF	OFF	OFF
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
1/3	1/4	1/5	1/6	1/7

6.1 7DP6.1	6.2 7SP3	MIDCHAP QUIZ	6.3 7SP3	6.4 7SP3
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
1/10	1/11	1/12	1/13	1/14
REVIEW	TEST	7.1 7EE3	7.2 7RP2c	7.3 7DP7.3
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
1/17	1/18	1/19	1/20	1/21
OFF	7.4 7EE3	MIDCHAP QUIZ	7.5 7SP8	7.6 7SP8
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
1/24	1/25	1/26	1/27	1/28
7.7 7SP*	REVIEW	TEST	CATCH-UP /FLEX	CATCH-UP /FLEX
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
1/31	2/1	2/2	2/3	2/4
8.1 7G1	8.2 7G2	8.3 7G2	8.4 7G5	8.5 7EE4a
	Right Path Benchmark			
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
2/7	2/8	2/9	2/10	2/11
MIDCHAP QUIZ	8.6 7EE3	8.7 7G3	8.8 7NS3	8.9 7NS3
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
2/14	2/15	2/16	2/17	2/18
REVIEW	TEST	CATCH-UP /FLEX	CATCH-UP /FLEX	CATCH-UP /FLEX
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
2/21	2/22	2/23	2/24	2/25
OFF	OFF	OFF	OFF	OFF
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
2/28	3/1	3/2	3/3	3/4

1-8 Savass end of Course <b>Practice/ Review</b> Cumulative Benchmark	1-8 Savass end of Course <b>Practice/ Review</b> Cumulative Benchmark	1-8 Savass end of Course <b>Practice/ Review</b> Cumulative Benchmark	1-8 Savass end of Course Cumulative Benchmark (*Please have done by 3/11)	1-8 Savass end of Course Cumulative Benchmark (*Please have done by 3/11)
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
3/7	3/8	3/9	3/10	3/11
SER	SER	SER	SER	SER
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
3/14	3/15	3/16	3/17	3/18
SER	SER	SER	SER	SER
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
3/21	3/22	3/23	3/24	3/25
SER	SER	SER	SER	SER
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
3/28	3/29	3/30	3/31	4/1
SER	ELA STATE EXAM	ELA STATE EXAM	ELA STATE EXAM	SER
	Right Path Mock Assessment			
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
4/4	4/5	4/6	4/7	4/8
SER	SER	SER	SER	SER
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
4/11	4/12	4/13	4/14	4/15
SER	SER	SER	OFF	OFF
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
4/18	4/19	4/20	4/21	4/22
OFF	OFF	OFF	OFF	OFF
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
4/25	4/26	4/27	4/28	4/29
SER	MATH STATE EXAM	MATH STATE EXAM	MATH STATE EXAM	FLEX Day
<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
5/2	5/3	5/4	5/5	5/6

8th grade topics TBA				
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
5/9	5/10	5/11	5/12	5/13
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
5/16	5/17	5/18	5/19	5/20
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
5/23	5/24	5/25	5/26	5/27
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
5/30	5/31	6/1	6/2	6/3
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
6/4	6/5	6/6	6/7	6/8
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
6/11	6/12	6/13	6/14	6/15
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
6/18	6/19	6/20	6/21	6/22


