

Please Note:

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course are best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

Publisher Resource:

[Go Math](#) (use student Active Directory)

Other Course Supplemental Resources:

[IXL Math – Grade 7 Standards](#)

Khan Academy

[Grade 7 Mathematics](#)

FSA Practice: (Please Note: these links work best in Firefox or Chrome)

[Grade 7 Pre-Algebra FSA Mathematics Computer-Based PRACTICE TEST](#)

[Grade 7 FSA Mathematics Computer-Based Practice Test Answer Key](#)

[Mathematics Practice Tests and Answer Key – PARCC \(Partnership for Assessment of Readiness for College and Careers\)](#)

[Mathematics Practice Tests – Smarter Balanced Assessment Consortium](#)

[Mathematics Practice Tests - Scoring Guides - Smarter Balanced](#)

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 12	1 8/10	<ul style="list-style-type: none"> Pre-test/Lesson 1.1 – 7.N.S. 1.1 - Adding Integers with the Same Sign 	1.1 - 1.1 Khan Academy
	2 8/13 – 8/17	<p>Module 1 – Adding and Subtracting Integers</p> <ul style="list-style-type: none"> Lesson 1.1 – 7.N.S. 1.1 - Adding Integers with the Same Sign Lesson 1.2 – 7.N.S. 1.1 – Adding Integers with Different Signs Lesson 1.3 – 7.N.S. 1.1 – Subtracting Integers Lesson 1.4 – 7.N.S. 1.3 – Applying Addition and Subtraction of Integers 	1.1- 1.1 Khan Academy 1.2- 1.2 Khan Academy 1.3- 1.3 Khan Academy 1.4- 1.4 Khan Academy
	3 8/20 – 8/24	<ul style="list-style-type: none"> Module 1 Review and Assessment Module 2 – Multiplying and Dividing Integers Lesson 2.1 – 7.N.S.1.2 – Multiplying Integers Lesson 2.2 – 7.N.S.1.2 – Dividing Integers 	2.1- 2.1 Khan Academy 2.2- 2.2 Khan Academy
	4 8/27 – 8/31	<ul style="list-style-type: none"> Module 2 continued – Multiplying and Dividing Integers Lesson 2.3 – 7.N.S.1.3 – Applying Integer Operations Module 2 Review and Assessment Lesson 3.1 – 7.N.S.1.2c – Rational Numbers and Decimals 	2.3- 2.3 Khan Academy 3.1- 3.1 Khan Academy
	5 9/3 – 9/7	<ul style="list-style-type: none"> Module 3 continued – Rational Numbers Lesson 3.2 – 7.N.S.1.1d – Adding Rational Numbers Lesson 3.3 – 7.N.S.1.1c – Subtracting Rational Numbers *Lesson 3.4 – 7.N.S.1.2 – Multiplying Rational Numbers 	3.2 & 3.3- 3.2 & 3.3 Khan Academy 3.4 & 3.5- Multiply and Divide Fractions
	6 9/10 – 9/14	<ul style="list-style-type: none"> Module 3 continued – Rational Numbers Lesson 3.4 – 7.N.S.1.2 – Multiplying Rational Numbers Lesson 3.5 – 7.N.S.1.2 – Dividing Rational Numbers Lesson 3.6 – 7.N.S.1.1d – Applying Rational Number Operations Module 3 Review and Assessment 	3.4- Multiplying Decimals 3.5- Dividing Decimals 3.6- Rational Word Problem: Cosmetics 3.6- Rational Word Problem: Cab 3.6- Rational Word Problem: School Report
	7 9/17 – 9/21	<ul style="list-style-type: none"> Module 3 Review and Assessment Module 6 – Expressions and Equations & Module 7 – Inequalities Lesson 6.1 – 7.EE.1.1 – Algebraic Expressions Lesson 6.2 – 7.EE.2.3/2.4 – One-Step Equations with Rational Coefficients 	6.1- Writing Basic Expressions 6.1- Writing Expressions 6.2- 6.2 Khan Academy

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

	8 9/24 – 9/28	<p>Cont. Module 6 – Expressions and Equations & Module 7 – Inequalities</p> <ul style="list-style-type: none"> Lesson 6.2 – 7.EE.2.4 – One-Step Equations with Rational Coefficients Lesson 7.1 – 7.EE.2.4b – Writing and Solving One-Step Inequalities Lesson(s) 6.1, 6.2 & 7.1 Review and Assessment 	<p>6.2- 6.2 Khan Academy 7.1- One-Step Inequalities Examples 7.1- One-Step Inequality Word Problem</p>
	9 10/1 – 10/5	<p>Lesson(s) 6.1, 6.2 & 7.1 Review and Assessment</p> <ul style="list-style-type: none"> Lesson 6.4 – 7.EE.2.4a – Solving Two-Step Equations Lesson 6.3 – 7.EE.2.4 – Writing Two-Step Equations 	<p>6.4- Two-Step Equation Intro 6.3- Writing and Solving Two-Step: Computers</p>
	10 10/8 – 10/12	<p>Cont. Module 6 – Expressions and Equations & Module 7 – Inequalities</p> <ul style="list-style-type: none"> Lesson 6.3 – 7.EE.2.4 – Writing Two-Step Equations Lesson 7.3 – 7.EE.2.4b – Solving Two-Step Inequalities Lesson 7.2 – 7.EE.2.4 – Writing Two-Step Inequalities 	<p>6.3- Writing and Solving Two-Step: Garden 6.3- Writing and Solving Two-Step: Oranges 7.3- 7.3 Khan Academy 7.2- Writing Two-Step Inequalities</p>

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 16 – Dec 21	1 10/16 – 10/19	Cont. Module 6 – Expressions and Equations & Module 7 – Inequalities <ul style="list-style-type: none"> Lesson 7.2 – 7.EE.2.4 – Writing Two-Step Inequalities Lesson(s) 6.3, 6.4, 7.2 & 7.3 Review and Assessment 	7.2- Writing Two-Step Inequalities
	2 10/22 – 10/26	Lesson(s) 6.3, 6.4, 7.2 & 7.3 Review and Assessment Module 4 – Rates and Proportionality <ul style="list-style-type: none"> Lesson 4.1 – 7.R.P.1.1 – Unit Rates Lesson 4.2 – 7.R.P.1.2 – Constant Rates of Change 	4.1- Intro to Rates 4.1- Solving Unit Rate
	3 10/29 – 11/2	Module 4 continued – Rates and Proportionality <ul style="list-style-type: none"> Lesson 4.3 – 7.R.P.1.3 – Proportional Relationships Module 4 Review and Assessment 	4.3- Intro to Proportional Relationships
	4 11/5 – 11/9	Module 4 Review and Assessment Module 5 – Proportions and Percent <ul style="list-style-type: none"> Lesson 5.1 – 7.RP.1.3 – Percent Increase and Decrease Lesson 5.2 – 7.EE.1.2 – Rewriting Percent Expressions 	5.1- Growing by Percentage 5.1- Percent Decrease Word Problem
	5 11/12 – 11/16	Module 5 continued – Proportions and Percent <ul style="list-style-type: none"> Lesson 5.2 – 7.EE.1.2 – Rewriting Percent Expressions Lesson 5.3 – 7.RP.1.3 – Applications of Percent 	Extra- Converting Percent to Decimals 5.2- Solving Percent Problems 5.3- Multi-Step Percent Problem
	6 11/19 – 11/20	Module 5 Review and Assessment	
	7 11/26 – 11/30	Module 5 Review and Assessment	
	8 12/3 – 12/7	Standards Review	
	9 12/10 – 12/14	Standards Review	
	10 12/17 – 12/21	District Exams	

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 7 – Mar 14	1 1/7– 1/11	Module 9 – Circumference, Area, and Volume <ul style="list-style-type: none"> Lesson 9.1- 7.G.2.4 – Circumference Lesson 9.2- 7.G.2.4 - Area of Circles 	Circle Definitions- Definitions Video 9.1- Circumference Video 9.2- Area of Circles
	2 1/14 – 1/18	Module 9 continued – Circumference, Area, and Volume <ul style="list-style-type: none"> Lesson 9.3 – 7.G.2.6 – Area of Composite Figures Lesson 9.5 – 7.G.2.6 – Solving Volume Problems 	9.3 - Area of Composite Figures 9.5 - Volume of Triangular Prism & Cube 9.5- Volume of Rectangular Prism 9.5- Word Problem with Pyramid
	3 1/21 – 1/25	<ul style="list-style-type: none"> Lesson 9.4 – 7.G.2.6 – Solving Surface Area Problems Module 9 Review and Assessment 	9.4- Surface Area Using Net 9.4- Surface Area Word Problem
	4 1/28 – 2/1	<ul style="list-style-type: none"> Module 8 – Modeling Geometric Figures Lesson 8.1 – 7.G.1.1 - Similar Shapes Lesson 8.2 – 7.G.1.2 – Geometric Drawings 	8.1- Interpreting a Scale Drawing 8.1- Scale Drawing Word Problem 8.2- Construct a Triangle with Constraints 8.2- Triangle Inequality Theorem
	5 2/4 – 2/8	<ul style="list-style-type: none"> Lesson 8.3 – 7.G.1.3- Cross Sections Lesson 8.4- 7.G.2.5 – Angle Relationships 	8.3- Cross Section Cube 8.3- Cross Section Pyramid 8.4- Angle Relationships 8.4- Using Algebra to Solve Missing Angles
	6 2/11 – 2/15	<ul style="list-style-type: none"> Module 8 Review and Assessment Module 10 & 11– Random Samples and Populations & Analyzing and Comparing Data Lesson 10.1 – 7.SP.1.1/1.2- Populations and Samples 	10.1- Random Sampling and Avoiding Bias
	7 2/18 – 2/22	<ul style="list-style-type: none"> Lesson 10.2 – 7.SP.1.1/1.2 – Making Inferences from a Random Sample Lesson 11.1 – 7.SP.2.4- Comparing Data Displayed in Dot Plots 	10.2- Data Inferences 11.1- Comparing Dot Plots
	8 2/25 – 3/1	Module 10 & 11 Continued <ul style="list-style-type: none"> Lesson 11.2 – 7.SP.2.3- Comparing Data Displayed in Box Plots Lesson 11.3- 7.SP.2.3- Using Statistical Measures to Compare Populations 	11.2- Comparing Box Plots 11.3- Mean Absolute Deviation 11.3- MAD Example Problem
	9 3/4 – 3/8	<ul style="list-style-type: none"> Module 10 & 11 Review and Assessment Module 12 & 13 – Experimental Probability & Theoretical Probability and Simulations Lesson 12.1 – 7.SP.3.5- Probability 	Experimental vs. Theoretical Experimental vs. Theoretical (2) 12.1- Simple Probability 12.2- Experimental Probability Simple Event

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

		<ul style="list-style-type: none"> Lesson 12.2 – 7.SP.3.6 – Experimental Probability of Simple Events 	
	<p>10 3/11 – 3/14</p>	<ul style="list-style-type: none"> Lesson 12.3- 7.SP.3.8 – Experimental Probability of Compound Events Lesson 12.4- 7.SP.3.6- Making Predictions with Experimental Probability Lesson 13.1 – 7.SP.3.7a – Theoretical Probability of Simple Events Lesson 13.2 – 7.SP.3.6- Theoretical Probability of Compound Events 	<p>12.3- Experimental of Compound Intro to Theoretical Probability</p> <p>13.1- Theoretical Probability Simple Event</p> <p>13.2- Theoretical Probability Compound Event</p>

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

	Week	Major Concepts / Topics	Possible Resources
Quarter 4 Mar 18 – May 24	1 3/18 – 3/22	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	Making Predictions
	2 3/25 – 3/29	<ul style="list-style-type: none"> • Lesson 13.3 – 7.SP.3.6 – Making Predictions with Theoretical Probability • Module 12 & 13 Review and Assessment 	
	3 4/1 – 4/5	<ul style="list-style-type: none"> • Grade 7 Standards Review 	FSA RESOURCES: FSA Portal
	4 4/8 – 4/12	<ul style="list-style-type: none"> • Grade 7 Standards Review 	FSA Style Calculator County Webpage Resources
	5 4/15 – 4/19	<ul style="list-style-type: none"> • Grade 7 Standards Review 	
	6 4/22 – 4/26	<ul style="list-style-type: none"> • Pre-Algebra Prerequisites and/or Grade 7 Standards Review 	
	7 4/29 – 5/3	<ul style="list-style-type: none"> • Pre-Algebra Prerequisites and/or Grade 7 Standards Review 	
	8 5/6 – 5/10	<ul style="list-style-type: none"> • Pre-Algebra Prerequisites and/or Grade 7 Standards Review 	
	9 5/13 – 5/17	<ul style="list-style-type: none"> • Pre-Algebra Prerequisites and/or Grade 7 Standards Review 	
	10 5/20 – 5/24	<ul style="list-style-type: none"> • Pre-Algebra Prerequisites and/or Grade 7 Standards Review 	

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.