7th Grade Jennings Junior High Math Pacing Guide

Unit	Missouri Learning Standards	Expectations	Pacing	Benchmark/CFA
Unit 1 Rational Numbers **19% MAP** Add and subtract Integers and rational numbers Conversions	• 7.NS.A.1.a/b/c/d/e/f • 7.NS.A.2.a/b/c/d/e/f • 7.NS.A.3	• Use the number line • Add & subtract • Distance & Absolute value • Multiply & Divide Fractions • Convert fraction to decimal • Convert using long division • Decimal to fractions	15 days	Benchmark #1 Week 1 September CFA #1 Week 1 Oct.
Unit 2 Algebraic Concepts **Unit 2 & 3** **28% MAP** Evaluate Expression	• 7.EEI.A.1 • 7.EEI.B.3.a/b	• Order of Operations • Translating expressions • Generate equivalent expressions • Combine like terms • Simplify Expressions ○ (3x+4f)-(4x-f) • Distributive property & Factoring 7x+28=7(x+4)	14 days	CFA #2 Week 3 Nov.
Unit 3 Equations & Inequalities	• 7.EEI.B.4.a/b • 7.EEI.B.4.c • 7.EEI.B.3a/b	• 1-step equation +/- & x/ • 1-step rational numbers • 1-step word problem • 2-step equations • 2-step rational numbers • 2-step word problems • Multi-step variable 1 side • Multi-step variable both • Properties • Write and graph 1 step • 2-step inequalities • Inequalities word problems	20 days	Benchmark #2 Week 2 Dec. CFA #3 Week 3 Jan.

Unit 4
Proportional Relationships
 	
Unit 4 & 5
	• 7.RP.A.1
	• 7.RP.A.3
	• 7.RP.A.1
		• Ratio: What is 1:2
		  ○ Word problems
		• Rates & Unit Rates
		  ○ Include complex fractions
			15 days	CFA #4
				Week 3 Feb.

22% MAP
 	
Proportions
 	
Scale Drawing
	• 7.RP.A.2.a/b/c/d	• Applications: Unit Rate
		• Proportional vs non-prop.
		  ○ Tables
		  ○ Graphs & Equations
		• Set up & solve proportions
		  ○ Include n+2/5=3/7
		• Proportions: word problems
		• Scale Factor Drawing
		• Finding the scale
		• Application
		• Similar Figures
		• Area		

Unit 5
Percent's
Find Whole
 	
Discounts and Markups
 	
Tax & Tip
 	
Commissions
	• 7.RP.A.3	• Percent proportion
		  ○ Is/of
		• Percent Equations
		  ○ % of whole=part
		• Application
		  ○ Mental 10%
		• Discounts
		• Markup
		• Percent change
		• Application
		• Tax and Tip
		• Application
		  ○ Restaurant
		• Commission
		• Simple Interest
			14 days	Benchmark #3
				Week 1 March
				
				CFA #5
				Week 4 March

Unit 6
Probability
 	
19% MAP
 	
Simple Probability
	• 7.DSP.C.6.a/b/c
	• 7.DSP.C.5.a/b
		• Outcomes & Event
		  ○ Event "green"
		• Simple Probability
		  ○ P(event)
		• Experiential/Theoretical
		• Probability chance 0-1
		• Application
		• Discover Counting Principle
			18 days	CFA #6
				
				Week 3 April

Compound Probability Sampling	• 7.DSP.C.8.a/b • 7.DSP.C.7.a/b • 7.DSP.A.1.a/b/c • 7.DSP.A.2 • 7.DSP.B.3 • 7.DSP.B.4	○ Tree diagram • Compound Probability ○ Independent ○ Dependent ○ List and 2 table events • Unbiased • Application • Mean/Median/Mode ○ Range, IR, MAD • Stem-Leaf Plot • Box & Whiskers ○ Interpret Data		
Unit 7 Angles **Unit 7 & 8** **14% MAP** Angles Construct triangles/ quadrilaterals	• 7.GM.B.5 • 7.GM.A.2.a/b	• Classify, measure and construct**NEED • Complementary & Supplementary angles • Adjacent & vertical angles • Application (Review above) • Classification Triangles ○ Triangle sum theory • Construct Triangles • Classification Quadrilaterals ○ Construct Quads. • Application	14 days	CFA #7 Week 2 May
Unit 8 Measurements Circles 2-D figures Area of Composite Shapes	• 7.GM.A.4.a/b	• Circumference of Circle • Area of Circle • Perimeter & Area ○ 2-D figures • Composite Area ○ Triangle/rectangle • Area of Shaded Composite ○ Maze • SA Right Rectangular Prisms • SA Triangular Prisms	25 days	CFA #8 Final Week 4 May

Surface Area Volume	• 7.GM.B.6.a/b • 7.GM.A.3	• SA Cylinders • SA Rt. Rectangular Pyramids • Applications • Volume of Prisms • Volume of Cylinders • Volume of Pyramids • Application • Cross Sections		