

Pre-AP 7th Grade Mathematics - EPISD Curriculum

At-A-Glance							
2013-2014	Week	Dates	Topics	Reporting Category	Tested TEKS	# of Days	
Big Idea I: Integers, Rational Numbers, & Reasoning	1 st 9 Weeks	1	<p align="center">Unit 0: Process Skills & Strategies</p> <ul style="list-style-type: none"> ● Problem Solving Model & Strategies ● Opportunities to Evaluate a Solution & Reflect on the Steps Taken ● Knowledge of Words/Phrases That Identify the Operations to be Performed ● Use Estimation, Mental Math, & Number Sense to Solve Problems 	P	R- S-7.2G P-7.13B,C,D	5	
		Labor Day 09/02/13					
		2	Sept. 3 - Sept. 6	<p align="center">Unit 1: Converting, Comparing, & Ordering Rational Numbers</p> <ul style="list-style-type: none"> ● Convert Between F>D>P (mentally, paper/pencil, calculator) ● Compare & Order F,D,P using number lines, mental math, pictures, cross products ● <i>Describe Relationships Between Sets of Rational Numbers*</i> 	1	R-7.1B S- 7.1A,7.2A* P-7.13A,7.15A	4
		3	Sept. 9 - Sept. 13	<p align="center">Unit 2: Operations with Rational Numbers</p> <ul style="list-style-type: none"> ● Use Concrete Models to Depict \times & \div of Decimals ● \times & \div Decimals ● Use Mental Math & Estimation Before \times & \div Decimals Evaluate Reasonableness 	1	R-7.2B,F S-7.2A,G P-7.13A,7.14A,7.15B	5
		4	Sept. 16 - Sept. 20	<ul style="list-style-type: none"> ● Use Concrete Models to Depict \times & \div of Fractions ● \times & \div Fractions ● Use Estimation & Pictures to Justify Solutions 	1	R-7.2B,F S-7.2A,G P-7.13A,7.14A,7.15B	5
		5	Sept. 23 - Sept. 27	<ul style="list-style-type: none"> ● Use Concrete Models to Depict \times & \div of Mixed Numbers ● \times & \div Mixed Numbers ● Convert Mixed Numbers to Improper Fractions to \times & \div 	1	R-7.2B,F S-7.2A,G P-7.13A,7.14A,7.15B	5
		6	Sept. 30 - Oct. 4	<p align="center">Unit 3: Integers & Order of Operations with Exponents</p> <ul style="list-style-type: none"> ● Compare & Order Integers ● Use Concrete Models to Depict + & - of Integers ● + & - of Integers 	1	R- S-7.1A,7.2C P-7.13A,7.14A	5
		7	Oct. 7 - Oct. 11	<ul style="list-style-type: none"> ● \times & \div Integers ● Use Squares to Model Squares & Square Roots ● Order of Operations - Simplifying Expressions with Exponents to Include Brackets 	1	R- S-7.1C,7.2C,E P-7.13A,B,7.14A	5
		8	Oct. 14 - Oct. 18	<ul style="list-style-type: none"> ● Review for 1st 9 Weeks Exam ● 1st 9 Weeks Exam Units 0-3: Integers, Rational Numbers, & Reasoning 	1	R-7.1B,7.2B,F S-7.1A,C,7.2A,C,E,G P-7.13,7.14,7.15	5

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Big Idea II: Algebraic Reasoning, Patterns, Percents, & Proportional Relationships	2 nd 9 Weeks	9	Oct. 21 - Oct. 25 Unit 4: Modeling & Solving Algebraic Equations & Expressions ●Use Concrete Models-"Hands-On-Equations" ●Solve + & - Equations ●Use Inverse Operations & Combining Like Terms to Solve 1 & 2 Step Equations	2	R- 7.5A S- 7.5A P- 7.14A	5		
		10	Oct. 28 - Nov. 1 ●Solving \times & \div Equations ● Use Inverse Operations & Combining Like Terms to Solve 1 & 2 Step Equations ●Intro to Writing Algebraic Expressions	2	R- 7.5B S-7.5A P-7.14A	5		
		Veteran's Day 11/11/13						
		11	Nov. 4 - Nov. 8 <i>P.T.C.</i> ●Solve Multi-Step Equations and Problem Situations ●Patterns & Sequences: Understand the Meaning of the n^{th} term ●Create an Equation From a Table of Values or From a Sequence	2	R- 7.5B S-7.4C*, 7.5A P-7.14A,7.15A	5		
		12	Nov. 12 - Nov. 15 Unit 5: Percents, Proportions, & Unit Rates ●Ratios, Unit Costs, & Rates ●Understanding Proportions: Real World Applications-Recipes, Price, Surveys etc. ●Label Unit/Name for Each Side of a Proportion	1,2	R- 7.3B S-7.2D P- 7.14A,7.15A	4		
		13	Nov. 18 - Nov. 22 ●Percent of Change ●Percent Analysis of Graphs ●Use the Percent Proportion Model to find the "Not" in Word Problems	2	R- 7.3A S- P-7.13A,B,7.15 B	5		
		Thanksgiving Holiday 11/25/13-11/29/13						
		14	Dec. 2 - Dec. 6 ●Computing Commission & Interest ●Computing Tax & Discount ●Use Proportions for Unit Measurement Conversions	2	R-7.3A,B S- P-7.13A,B, 7.15B	5		
		15	Dec. 9 - Dec. 13 Unit 6: Scale Factors, Similar Figures, & Proportions ●Maps & Scaled Drawings ●Attributes of Similar Figures ●Similar Figures & Proportional Relationships	2,3	R- 7.3B,7.6D S- P- 7.13A,7.14A	5		
	16	Dec. 16 - Dec. 20 ●Fall Semester Project: <i>Let's Get Cooking</i> ●Review for 2 nd 9 Weeks Exam ●End of Semester Exam Units 0-6	1,2,3	R-7.3A,B,7.5B S-7.2D,7.4C*,7.5A P-7.13A,B,7.14A, 7.15B	4 1/2			
Winter Break 12/21/13-01/05/14								

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Big Idea III: Geometry & Measurement	3 rd 9 Weeks	17	Jan. 7 - Jan. 10	Unit 7: Geometry Concepts ●Locate & Name Points Within All Quadrants ●Graph Reflections Across the X-Axis & Y-Axis On a Coordinate Plane	3	R-7.7B S-7.7A P-7.13A,D,7.14A	4	
		18	Jan. 13 - Jan. 17	●Graph Translations On a Coordinate Plane ●Classifying Angles, Triangles, & Quadrilaterals ●Use Attributes to Define Similarity	3	R-7.6D S-7.6A,B P-7.14A,7,15B	5	
		M.L.K. Jr. Day 01/20/14						
		19	Jan. 21 - Jan. 24	●Classifying 3-D Figures & 3-D Views of top, front, & side ●Nets of 3-D Figures	2,3,4	R- S-7.6C,7.8A,B,C P-7.13B,7.14A,7.15A	4	
		20	Jan. 27 - Jan. 31	Unit 8: Measurement ●Estimate Perimeter & Area ●Generate Formulas & Solve Problems Involving Perimeter & Area ●Area/Perimeter of Trapezoids & Irregular Polygons	2,3,4	R-7.9A S-7.8C,7.4A P-7.13A,B,C,7.14A	5	
		21	Feb. 3 - Feb. 7	●Circumference & Area of Circles: Relationship between radius,diameter, & C ●Area of Polygons and Shaded Regions ●Lateral & Surface Area of 3-D Figures	2,3,4	R-7.9A,6.6C* S-7.8C,7.4A,8.8C* P-7.13B,D,7.14A	5	
		22	Feb. 10 - Feb. 14	●Volume of Cones, Cylinders, & Spheres ●Connect Models of Prisms, Cylinders, Pyramids, Cones, & Spheres to Formulas for Volume	2,3,4	R-7.9C,8.8B,C* S-7.9B,7.4A, P-7.13A,B,C,7.14A	5	
		President's Day 02/17/14						
		23	Feb. 18 - Feb. 21	●Volume of Pyramids & Prisms ●Graphing Data of Relationships in Perimeter, Area, Circumference, & Volume	2,3	R-7.9C S-7.4B,8.8B,C* P-7.13A,B,C,7.14A	4	
	Big Idea IV: Probability, Representation of Data, & Statistics		24	Feb. 24 - Feb. 28	Unit 9: Representation of Data & Statistical Measures ●Describe a Set of Data Using Measures of Central Tendency ●Choose an Appropriate Statistical Measure to Describe Data ●Evaluate Methods of Sampling & Validity of an Inference Made From Data	2	R-7.12B S-7.12A,C* P-7.13A,B,7.14A, 8.13A*	5
25			Mar. 3 - Mar. 7	●Use an Appropriate Representation of Data: Stem & Leaf Plot, Line Plot, Bar Graphs, Circle Graphs, & Line Graphs, & Venn Diagrams ●Generate a Different Representation of Data Given Another Representation ●Analyze Given or Collected Data & Generate Convincing Arguments	5	R- 8.4A* S-7.11A,B,7.12C* P-7.14A,7.15B, 8.13A*	5	
Spring Break 03/10/14 - 03/14/14								

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Big Idea IV: Probability, Representation of Data, & Statistics	3 rd 9 Weeks	26	Mar. 17 - Mar. 21	Unit 10: Probability <ul style="list-style-type: none"> ●Use Probabilities of Experimental/Theoretical Events to Make Inferences ●Construct Sample Spaces for Simple & Composite Experiments ●Find Probabilities of Compound, Independent, & Simple Events & the Complement 	5	R-7.11B,6.9A,B*, 7.6B* S-7.10A,8.11B* P-7.13A,7.14A, 7.15B,8.13A*	5	
		27	Mar. 24 - Mar. 28	<ul style="list-style-type: none"> ●Review for 3rd 9 Weeks Exam ●3rd 9 Weeks Exam Units 7-10: Geometry, Measurements, Statistics, Data, & Probability 	2,3,4,& 5	R-6.6C*,7.7B,7.9A, C 7.11B,7.12B,6.9 A,B*,8.4A* S-7.4A, 7.7A,7.6A, B,C,7.8ABC,7.9B, 7.10AB7.11AB, 7.12A,8.8BC* P-7.13ABC,7.14A, 7.15AB,8.13A*	5	
Review & Testing	4 th 9 Weeks	28	Mar. 31 - Apr. 4	STAAR Review (Units 1-3)	Specific SE's to be decided during PLC's. Format and activities may differ by campus.	5		
		29	Apr. 7 - Apr. 11	STAAR Review (Units 4-6)		5		
		30	Apr. 14 - Apr. 17	STAAR Review (Units 7-10)		4		
		Good Friday 04/18/14						
		31	Apr. 21 - Apr. 25	***STAAR TESTING***				5
Intro to 8th Grade Concepts	4 th 9 Weeks	32	Apr. 28 - May 2	●Spring Semester Project: <i>Amazing Amusement</i>	Specific SE's Learned During Spring Semester	5		
		33	May 5 - May 9	●Category 1: Number Operations (8th Grade Standards)	Specific SE's to be Determined During PLC's	5		
		34 -35	May 12 - May 23	●Category 2: Patterns, Relationships, & Algebraic Reasoning (8th Grade Standards)	Specific SE's to be Determined During PLC's	10		
		Memorial Day 05/26/14						
		36	May 27 - May 30	●Category 3: Geometry & Spatial Reasoning	Specific SE's to be Decided During PLC's	4		
		37-38	Jun. 2 - Jun. 10	<ul style="list-style-type: none"> ●Review for End of Course Exam ●End of Course Exam 	Specific SE's to be Decided During PLC's	7		

