

Alamo Heights Junior School

7th Grade Pre-AP/GT			
First Semester		Second Semester	Start End
1st Nine Weeks	TEKS	3rd Nine Weeks	TEKS
Sets of Rational Numbers	7.2	Experimental Probability	7.6 A, B, C, E, I
Rational Number Operations	7.3 A, B	(Simple and Compound)	
Irrational Numbers	8.2 B	Theoretical Probability	7.6 H, I
Unit Rates	7.4 B	(Simple and Compound)	
Proportional Relationships and Graphs	7.4 A, C	Analyzing Categorical Data	7.6 G
Non-Proportional Relationships	8.5 B	Scatterplots	8.11 A
Converting Between Measurement Systems	7.4 E	Trendlines	8.5 D
Applications of Percents	7.4 D	Dot and Box Plots	7.12 A
Linear Relationships ($y=mx+b$)	7.7	Populations and Samples	7.6 F, 7.12 B, C
		Generating Random Samples	8.11 C
		Mean Absolute Deviation	8.11 B
2nd Nine Weeks	TEKS	4th Nine Weeks	TEKS
Writing/Solving Equations and Inequalities	7.10 A, B	Sales/Income Tax	7.13 A
(variables on both sides)		Simple/Compound Interest	7.13 E
Proportionality in Geometry	7.5 A, B, C	Making Purchasing Decisions	7.13 F
Transformations	8.3B, 8.10 A, C,	Personal Budgets	7.13 B, D
(Dilation, Reflection, Rotation, Translation)		Net Worth Statement	7.13 C
Angle Relationships	7.11 C	Scientific Notations	8.2 C
Finding Circumference/Area of Circles	7.9 B, 7.8 C	Pythagorean Theorem	8.6 C, 8.7 C, D
Area of Composite Figures	7.9 C	Parallel Lines Cut by Transversal	8.8 D
Dimensional Change of Two Dimensional Figures	8.3 C	Angle Theorems	8.8 D
Volume of Rectangular Prisms/Pyramids	7.8 A	Angle-Angle Similarity	8.8 D
Volume of Triangular Prisms/Pyramids	7.9 A	Slope in Proportional/Non-Proportional	8.4 B, C, 8.5 B, F
Volume of Cylinders, Cones, and Spheres	8.6 A, B, 8.7 A	Solving Systems by Graphing	8.9
Lateral/Total Surface Area of Prisms/Pyramids	7.9 D		
Lateral/Total Surface Area of Cylinders	8.7 B		