**7th Pre-AP Math YAG 2016- 2017**

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| ***1st Semester*** | | ***2nd Semester*** | |
| ***1st Grading Period***  **(32 Days)** | ***2nd Grading Period***  **(30 Days)** | ***3rd Grading Period***  **(45 Days)** | ***4th Grading Period*** **(49 Days)** |
| **Unit 1: Real Numbers** (19 Days)  TEKS: 6.2ABC; 6.3CD; 6.7AD; 7.2A; 7.3AB; 8.2AB  - Order of Operations  - Properties  - Rational vs. Irrational #s  - Operations with Rational #s  **Unit 2: Ratios and Proportional Relationships** (13 Days)  TEKS: 7.4ABCDE; 8.5EFH  - Unit Rates  - Constant Rates of Change & Proportionality  - Representing Proportional (*Nonproportional*) Relationships & Graphs  - Converting between Measurement Systems  - Percent of Change  **Spring Experience (2 - 5 Days)**  **Pre-Assessment (2 days)**  **Early Release / Holiday (3 Days)** | **Unit 2: Ratios and Proportional Relationships** (3 Days)  TEKS: 7.4ABCDE; 8.5EFH  - Percent of Change  **Unit 3: Geometry - Ratios and Proportional Relationships** (7 Days)  TEKS: 7.5ABC  - Similar Shapes  - Scale Drawings  **Unit 4: Transformations** (9 Days)  TEKS: 8.3ABC; 8.10ABC  -Dilations, Translation, Rotation, Reflection  **Unit 5: Probability** (13 Days)  TEKS: 7.6ABCDEHI  - Simple, Experimental, Theoretical Probability  - Simple & Compound Events  (Extra day of Review & AIM for Success)  **Early Release / Holidays (6 Day)**  **Semester Review (2 Days)**  **Semester Exam (4 Days)** | **Unit 6: Linear Relationships** (9 Days)  TEKS: 7.7A, 8.5ABFGHI  - Proportional vs Non-Proportional Linear Relationships  - Rate of change / Slope & Y-Intercept  - Multiple Representations Linear Relationships (y=mx+b)  - Writing & Graphing Linear Equations (y=mx+b) form  **Unit 7: Linear Equations / Inequalities** (12 Days) TEKS: 7.10AB  - Writing/Solving 2-step Equations  - Writing/Solving 2-step Inequalities  - Multi-Step (Combining Like Terms, Distributive Property, Variables on Both Sides) Equations & Inequalities  **Unit 8: Geometric Relationships**  (24 Days)  TEKS: 7.8AC; 7.9ABCD; 7.11C; 8.6AB; 8.7AB; 8.8D  - Angle Relationships  - Transversals  - Circumference & Area of Circles  - Area of 2-D Figures  - Area of Composite Figures  - Volume of 3-D Figures  - Lateral & Total Surface area  **Early Release / Holiday (4 Days)** | **Unit 9: Personal Financial Literacy** (13 Days)  TEKS: 7.13BCDEF; 8.12ABCDEFG  - Calculating & Comparing Simple and Compound Interest  - Making Purchasing Decisions  - Investing Money  - Planning Personal Budgets  **Unit 10: Measurement and Data**  (9 Days)  TEKS: 7.6FG; 7.12ABC;  - Analyzing & Comparing Data  - Populations & Samples  - Making Inferences  - Comparing Populations  **STAAR REVIEW** (9 Days)  **Unit 11: Triangles** (7 Days)  TEKS: 8.6C: 8.7CD; 8.8D  - Pythagorean Theorem & Its Converse  - Distance between 2 points  - Similarity Theorems for Triangles  **Semester Review (2 Days)**  **Semester Exam (4 Day)**  **STAAR Test (3 Days)**  **Early Release / Holiday (3 Days)** |