**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)** |