

# Algebra 2 PreAP Westside High School

August 12<sup>th</sup> – September 20<sup>th</sup>

1<sup>st</sup> Six Weeks – all dates are subject to change

| MONDAY   | TUESDAY   | WEDNESDAY  | THURSDAY | FRIDAY   |
|--|---|--|----------|--|
| Aug 12   | 13  | 14   | 15       | 16   |
| Welcome<br>Course Syllabus<br>Calendar<br>Student information  | U1 Lesson 1: Interval and Set<br>Builder Notation (1)<br><br>HW: Interval Notation Pg 3 | U1 Lesson 2: Parent<br>Functions Tables, Graphs,<br>Equations, Domain, Range<br>w/o calculator (2)<br>/<br>HW: pgs. 4-6 in Trans. HW   |          | <a href="#">Parent Functions Quiz</a><br>U1 Lesson 3: Transformations -<br>Translations & Reflections (3-4)<br><br>HW: Trans, HW pgs. 7 -12<br>(domain, range,<br>transformations) |
| Unit 1: Parent Functions and Transformations   |   |  |          |  |
| 19   | 20  | 21   | 22       | 23   |
| U1 Lesson 4: Symmetry (even<br>, odd, neither) Intervals of<br>increasing and decreasing)<br>&<br>U1 lesson 5:Vertical<br>Expansion/Compression<br>(5-8)<br>HW: Trans HW pgs. 5-14,<br>(symmetry, intervals, even,<br>odd, neither) pg 13-14 | <a href="#">Transformations Quiz</a><br>Work on completing<br>previous<br><br>HW: 3-14  | U1 Lesson 5:Practice<br>Expansion/Compression<br>U1 lesson 6: Multiple<br>Transformations<br><br>HW: Trans HW pgs. 12-13<br>(symmetry, intervals, even,<br>odd, neither)<br><a href="#">Factor Quiz #1</a> |          | Unit 1 lesson 6: Multiple<br>Transformations<br><br><br>HW: pgs. 16-21   |
| Unit 1: Parent Functions and Transformations   |   |  |          |  |
| 26   | 27  | 28   | 29       | 30   |
| Test 1 Review  | <b>Test #1</b>  | U1 Lesson 7: Transformations<br>of Reciprocal Function (9-<br>10)<br><a href="#">Factor Quiz #2</a><br><br>HW: Trans HW pg 22-26 all<br>parts  |          | U1 lesson 7:Work on<br>Transformations Practice<br><br>HW pg 22-26   |
| Unit 1: Parent Functions and Transformations   |   |  |          |  |
| Sept 2 Labor Day   | 3 No school   | 4  | 5        | 6  |
| <b>Labor<br/>Day</b>   | <b>Fall<br/>Holiday</b>   | U1 lesson 7:Discuss HW<br>Transformations<br><a href="#">Factor Quiz #3</a><br><br>Transformations Activity<br><br>HW: pg 27-28  |          | U1 Lesson 8: Monster Graph<br>Practice<br><br><a href="#">Transformations Quiz 2</a><br><br>HW: pg 29-30   |
| Unit 1: Parent Functions and Transformations   |   |  |          |  |
| 9  | 10  | 11   | 12       | 13   |
| Discuss HW<br>Test #2 Review   | <b>Test #2</b>  | U2 Lesson 1: General<br>Functions, Evaluating<br>Functions, Function ops.<br><a href="#">Factor Quiz #4</a><br>HW:   |          | U2 Lesson 2: Composite<br>Functions with equations;<br>Composition to determine<br>inverse<br>HW:  |
| Unit 2: Functions, Composite, Inverse & Regression   |   |  |          |  |
| 16   | 17  | 18   | 19       | 20   |
| U2 Lesson 4: Inverse<br>Functions<br>(from graphs, tables and<br>equations)<br><br>Start Lesson 2 example 1  | Go over Inverse homework<br><a href="#">Quiz (evaluating,<br/>operations, inverse)</a>  | U2:Lesson 3:<br>Quadratic and Linear<br>Regression<br>HW:  |          | Review Test 3  |
| Unit 2: Functions, Composite, Inverse & Regression   |   |  |          |  |