<table>
<thead>
<tr>
<th>LESSON PLANS</th>
<th>WEEK OF: January 21, 2019</th>
<th>Period</th>
<th>Subject</th>
<th>Grade(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Third</strong></td>
<td></td>
<td></td>
<td>Algebra I</td>
<td>9th</td>
</tr>
<tr>
<td><strong>Fifth</strong></td>
<td></td>
<td></td>
<td>Geometry</td>
<td>10-12</td>
</tr>
<tr>
<td><strong>Sixth</strong></td>
<td></td>
<td></td>
<td>Advanced Math</td>
<td>12</td>
</tr>
<tr>
<td><strong>Fourth</strong></td>
<td></td>
<td></td>
<td>Algebra II</td>
<td></td>
</tr>
</tbody>
</table>

**Monday**
- **Activity**: Lesson 6-6 Equation for Lines through Two Points
  - Find an equation of a line given either its slope and any point or two points on it - Use equations for lines to describe real situations
  - p. 364-367 (2-22)

- **Activity**: Lesson 7-1 Drawing Triangles
  - Draw triangles satisfying given conditions and determine whether all such triangles are congruent
  - p. 383-385 (2-24)

- **Activity**: Lesson 6-3 Counting Strings With Replacement
  - Use theorems about triangles to explain real-life situations
  - p. 378-380 (2-20)

- **Activity**: Lesson 6-6 Fitting a Quadratic Model to Data
  - Fit a quadratic model to data
  - p. 411-413 (2-14)

**Tuesday**
- **Activity**: Review of Lessons 4-6
  - Review concepts of lessons 4 through 6
  - Worksheets 4-6
  - p. 390-392 (2-20)

- **Activity**: Lesson 7-2 Triangle Congruence Theorems
  - Draw triangles satisfying given conditions and determine whether all such triangles are congruent - Determine whether triangles are congruent from given information - Use theorems about triangles to explain real-life situations
  - p. 397-399 (2-20)

- **Activity**: Review of Chapter 6 Lessons 1-3
  - Review of concepts in Lessons 1 through 3
  - Quiz Sections 4 through 6
  - p. 397-399 (2-20)

- **Activity**: Lesson 6-7 The Quadratic Formula
  - Solve quadratic equations - Use quadratic equations to solve problems dealing with distance, velocity, and acceleration
  - p. 417-419 (2-22)

**Wednesday**
- **Activity**: Chapter 6 Quiz (Sec.4-6)
  - Write proofs that triangles are congruent - Apply triangle congruence theorems and the CPCF theorem to prove segments or angles are congruent
  - Quiz Sections 4 through 6
  - p. 397-399 (2-20)

- **Activity**: Lesson 7-3 Using Triangle Congruence Theorems
  - Use theorems about triangles to explain real-life situations
  - p. 370-373 (2-22)

- **Activity**: Chapter 6 Quiz Sec. 1 through 3
  - Review concepts from lessons 5 through 7
  - p. 385-386 (2-24)

- **Activity**: Review of Chapter 6 Lesson 5 through 7
  - p. 424-426 (2-38)

**Thursday**
- **Activity**: Lesson 6-7 Fitting a Line to Data
  - Given data whose graph is approximately linear, find a linear equation to fit the graph and make predictions about data values
  - p. 370-373 (2-22)

- **Activity**: Lesson 6-4 Counting Strings Without Replacement
  - Write proofs that triangles are congruent - Apply triangle congruence theorems and CPCF Theorems to prove that segments and angles are congruent
  - p. 385-386 (2-24)

- **Activity**: Lesson 6-8 Pure Imaginary Numbers
  - Find the number of strings without replacement - Evaluate expressions using factorials - Calculate probabilities in real situations - Use permutations to find the
  - p. 424-426 (2-38)

**Friday**
- **Activity**: Lesson 6-8 Standard Form of the Equation of a Line
  - Write an equation for a line in standard form or slope-intercept form, and from either form, find its slope and y-intercept - Use questions for lines to describe real situations
  - p. 377-380 (2-20)

- **Activity**: Lesson 7-4 Overlapping Triangles
  - Write proofs that triangles are congruent - Apply triangle congruence theorems and CPCF Theorems to prove that segments and angles are congruent
  - p. 403-405 (2-18)

- **Activity**: Lesson 6-5 Contingency Tables
  - Use contingency tables to compare percentages involving categorical variables - Represent information about real-life frequencies or frequencies in a contingency
  - p. 392-394 (2-16)

- **Activity**: Lesson 6-9 Complex Numbers
  - Perform operations with complex numbers
  - p. 432-433 (2-28)