<table>
<thead>
<tr>
<th>Unit</th>
<th>length of time in weeks</th>
<th>Concepts &amp; Competencies</th>
<th>Common Assessments</th>
<th>PA Core Standards</th>
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</thead>
</table>
| Unit 1 | 7                       | **Foundations for Algebra**  
Students will apply the order of operations to simplify expressions. Students will translate verbal expressions into algebraic expressions and apply properties of real numbers to evaluate expression. | ➢ Translation Quiz  
➢ Order of operations Quiz  
➢ Add/Subtract Real Numbers Quiz  
➢ Combining Like Terms Quiz  
➢ Unit 1 Test | CC.2.1.HS.F.2  
CC.2.2.HS.D.1 |
| Unit 2 | 7                       | **Solving Equations**  
Students will solve one variable equations. Students will write and solve one variable equations from real life scenarios. Students will solve formulas for one variable. | ➢ One step Quiz  
➢ Multi-step Quiz  
➢ 5 step Quiz  
➢ Formula Quiz  
➢ Unit 2 Test | CC.2.1.HS.F.2  
CC.2.2.HS.D.2  
CC.2.2.HS.D.3  
CC.2.2.HS.D.8 |
| Unit 3 | 3                       | **Exponents**  
Students will apply the rules of integer exponents to simplify expressions. | ➢ Positive, negative, and zero exponent Quiz  
➢ Multiply and raising exponents Quiz  
➢ Dividing with exponents Quiz  
➢ Unit 3 Test | CC.2.1.HS.F.1 |
| Unit 4 | 3                       | **Solving Inequalities**  
Students will solve and graph one variable inequalities. Students will solve and graph compound inequalities. Students will write and solve one variable inequalities from real life scenarios. | ➢ Multi-step Quiz  
➢ Compound Inequalities Quiz  
➢ Unit 4 test | CC.2.2.HS.D.7 |
| Unit 5 | 2                       | **Functions**  
Students will identify domain and range. Students will use function notation, determine if a relation is a function and graph a function rule. | ➢ Tables Quiz  
➢ Unit 5 Test | CC.2.2.HS.D.7  
CC.2.2.HS.D.10  
CC.2.2.HS.C.1 |
| Unit 6 | 9                       | **Linear Functions**  
 | ➢ Slope Quiz  
➢ Graphing Quiz | CC.2.2.HS.D.6  
CC.2.2.HS.D.7 |
| Unit 7 | **Systems of Equations**  
Students will solve systems of linear equations through the graphing, the substitution, and the elimination methods. | ➢ Slope-Intercept Quiz  
➢ Standard Form Quiz  
➢ Unit 6 Test  
➢ Graphing Quiz  
➢ Substitution Quiz  
➢ Elimination Quiz  
➢ Unit 7 Test | CC.2.2.HS.D.10  
CC.2.2.HS.C.2  
CC.2.2.HS.D.10 |