<table>
<thead>
<tr>
<th>Unit</th>
<th>Common Core State Standards in Math</th>
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</table>
| **Unit 1: Introduction to Functions and Relationships** | 8.F.A Define, evaluate, and compare functions.  
8.F.B Use functions to model relationships between quantities.  
HSA-CED.A Create equations that describe numbers or relationships.  
HSF-IF.A Understand the concept of a function and use function notation.  
HSF-IF.B Interpret functions that arise in applications in terms of the context.  
HSF-BF.A Build a function that models a relationship between two quantities. |
| **Unit 2: Systems of Linear Equations** | 8.EE.C Analyze and solve linear equations and pairs of simultaneous linear equations.  
HSA-REI.C Solve systems of equations.  
HSA-CED.A Create equations that describe numbers or relationships. |
| **Unit 3: Exponent Rules and Exponential Functions** | 8.EE.A Work with radicals and integer exponents.  
HSA-CED.A Create equations that describe numbers or relationships.  
HSF-IF.C Analyze functions using different representations.  
HSF-LE.A Construct and compare linear, quadratic, and exponential models and solve problems.  
HSF-LE.B Interpret expressions for functions in terms of the situation they model. |
| **Unit 4: Quadratic Functions** | HSA-SSE.B Write expressions in equivalent forms to solve problems.  
HSA-APR.B Understand the relationship between zeros and factors of polynomials.  
HSA-CED.A Create equations that describe numbers or relationships.  
HSA-REL.B Solve equations and inequalities in one variable.  
HSF-IF.B Interpret functions that arise in applications in terms of the context.  
HSF-IF.C Analyze functions using different representations.  
HSF-BF.A Build a function that models a relationship between two quantities. |