

## Unit 0 Daily Agenda Algebra C&C

<b>Unit 0</b> Prerequisites for Algebra 1 curriculum	<b>Course Name: Algebra I                      Modeling Unit Functions</b>	<b>Considerations or scaffolds for                      Support</b>	<b>Considerations, additional learning                      for Honors</b>
<b>Day 1</b>	Day One - High Engagement Icebreaker Activity - Standards Aligned.	Resources: Desmos, IXL, Delta Math, Inspire, Pear Assessment	
<b>Day 2</b>	Topic: Classifying Real Numbers  LT: <ul style="list-style-type: none"> <li>● I can determine if a number is rational or irrational.</li> </ul> SC: <ul style="list-style-type: none"> <li>● I will be able to classify a number as natural, whole, integer, rational, irrational.</li> <li>● I will understand the subsets natural, whole, integer are also considered to be in the rational subset.</li> <li>● I will understand rational numbers can never be irrational numbers.</li> <li>● I will understand irrational numbers can never be rational numbers.</li> </ul>		
<b>Day 3</b>	Map Test  Resource: Have students explore Desmos when they finish the Map Test.		

<b>Day 4</b>	<p>Topic: PEMDAS</p> <p>LT</p> <ul style="list-style-type: none"> <li>● I can use the correct order of operation when simplifying mathematical expressions.</li> </ul> <p>SC:</p> <ul style="list-style-type: none"> <li>● I will be able to calculate the least or greatest number using integers and order of operations.</li> <li>● I will be able to evaluate an expression using the correct order of operation of PEMDAS ( parenthesis, exponents, multiplication, division, addition, subtraction).</li> </ul>		
<b>Day 5</b>	<p>Topic: Add, Subtract, Multiply Integers</p> <p>LT:</p> <ul style="list-style-type: none"> <li>● I can use the rules of integer addition and subtraction to solve problems.</li> <li>● I can use the rules of integer multiplication to solve problems.</li> </ul> <p>SC:</p> <ul style="list-style-type: none"> <li>● I know a positive + positive results in a positive integer.</li> <li>● I know a negative + negative results in a negative integer.</li> <li>● I know a positive + negative, use the sign of the larger absolute value number.</li> </ul>		

	<ul style="list-style-type: none"> <li>● I know subtracting integers is also adding the opposite sign.</li> <li>● I know multiplying same sign integers will result in a positive integer.</li> <li>● I know multiplying opposite sign integers will result in a negative integers.</li> </ul>		
<b>Day 6-7</b>	<p>Topic: Simplifying Radicals</p> <p>LT:</p> <ul style="list-style-type: none"> <li>● I can simplify square roots.</li> </ul> <p>SC:</p> <ul style="list-style-type: none"> <li>● I can do prime factorization of integers.</li> <li>● I can find matching pairs of factors</li> <li>● I can simplify non-perfect square radicals.</li> </ul>		
<b>Day 8</b>	Practice Quiz		
<b>Day 8</b>	Quiz		
<b>Day 9</b>	<p>Topic: Classify Polynomials (8.PAR.3.1)</p> <p>LT:</p> <ul style="list-style-type: none"> <li>● I can identify the parts of an algebraic expression.</li> <li>● I can write a polynomial in standard form.</li> <li>● I can classify/name a polynomial according to degree and number of terms.</li> </ul> <p>SC:</p> <ul style="list-style-type: none"> <li>● I can identify terms, factors, coefficients, variables, constants, leading coefficients,</li> </ul>		

	<p>standard form.</p> <ul style="list-style-type: none"> <li>● I can name a polynomial by degree and number of terms.</li> <li>● I can put a polynomial in standard form according to degree.</li> </ul>		
<p><b>Day 10-11</b></p>	<p>Topic: Adding/Subtracting Polynomials (8.PAR.3.1) LT:</p> <ul style="list-style-type: none"> <li>● I can add and subtract polynomials.</li> <li>● I can write a polynomial in standard form.</li> </ul> <p>SC:</p> <ul style="list-style-type: none"> <li>● I can identify like terms.</li> <li>● I understand that like terms have the same variable and degree.</li> <li>● I know that you can only add or subtract like terms.</li> <li>● I know that when combining like terms, I can combine the coefficients and not combine the exponents (degrees)</li> <li>● I understand to distribute the negative to each term in a parentheses that follows a subtraction sign.</li> </ul>		
<p><b>Day 12-13</b></p>	<p>Topic: Multiplying Polynomials Standard(s): 8.PAR.3.1</p> <p>LT:</p> <ul style="list-style-type: none"> <li>● I can multiply polynomials</li> <li>● I can write a polynomial in standard form.</li> </ul> <p>SC:</p> <ul style="list-style-type: none"> <li>● I can use the distributive property to multiply a monomial x monomial.</li> <li>● I understand how to multiply coefficients and</li> </ul>		

	<p>add like variable exponents.</p> <ul style="list-style-type: none"> <li>● I understand how to write a polynomial in standard form.</li> <li>● I can use the distributive property to multiply a monomial x binomial.</li> </ul> <p>Lesson/Activity: Multiplying polynomials exclusive to monomial x monomial and monomial x binomial.</p>		
<b>Day 14</b>	Review for Test		
<b>Day 15</b>	<b>Unit 0 Test - August 30, 2024</b>		