

## Elementary Algebra, Curriculum Map

### CORD Algebra 1

<b>CH 10</b>		<u>Big Idea:</u> Polynomials		<u>Enduring Understanding:</u> Polynomials are combinations of linear expressions through (+, -, x, and ÷).		<u>Enduring Question:</u> How do I work with these more complex expressions?	
Day	Title	Concept	DRSL (Understanding, Know, Do, Attitude)	Assessments/Learning Activities	Core		
1	10.1	Representing inequalities using number lines.	<ul style="list-style-type: none"> <li>▪ Students will understand the polynomials are just combinations of linear expressions through (+, -, x, and ÷).</li> <li>▪ Students will be able to identify monomials, binomials, and trinomial expressions.</li> <li>▪ Students will recognize like terms in a polynomial.</li> <li>▪ Students will be able to add and subtract polynomials.</li> </ul>	<ul style="list-style-type: none"> <li>▪ LA: p. 562: 1, 2, 5-15, 16-30 even, 32-36</li> </ul>			
2	10.3	Multiplying and Dividing by Monomial Factors	<ul style="list-style-type: none"> <li>▪ Students will be able to multiply and divide polynomials by monomials.</li> <li>▪ Students will understand and use the multiplication and division properties of exponents.</li> <li>▪ Students will be able to find common monomial factors in polynomials.</li> </ul>	<ul style="list-style-type: none"> <li>▪ LA: p. 573: 3-17, 21, 23-28, 29, 30, 36</li> </ul>			
3	10.4	Properties of Exponents	<ul style="list-style-type: none"> <li>▪ Students will understand why properties of exponents work.</li> <li>▪ Students will be able to simplify expressions using the zero property, negative powers, powers of powers, and powers of quotients.</li> </ul>	<ul style="list-style-type: none"> <li>▪ LA: p. 580: 1-2, 5-17, 24</li> </ul>			
4	10.6	Multiplying Binomials	<ul style="list-style-type: none"> <li>▪ Students be able to multiply binomials using geometric models (Algeblocks) and paper and pencil methods (FOIL).</li> </ul>	<ul style="list-style-type: none"> <li>▪ LA: p. 591:1, 5-19, 23, 24, 26</li> </ul>			
5	10.7	Factoring Trinomials	<ul style="list-style-type: none"> <li>▪ Students be able to factor trinomials using Algeblocks and using trial and error method.</li> </ul>	<ul style="list-style-type: none"> <li>▪ LA: p. 599:7-12, 16-23, 34, 35</li> </ul>			
7	Review			<ul style="list-style-type: none"> <li>▪ LA: p. 616: 1-4, 7-22</li> </ul>			
8	Test						

