

## ALGEBRA II FIRST QUARTER SYLLABUS

\*This syllabus & dates are subject to change. Students are responsible to keep record of these changes.

	Date	TOPIC	ASSESSMENTS	HOMEWORK
1	Aug.15	<ul style="list-style-type: none"> <li>➤ Class introduction</li> <li>➤ Solve Inequalities</li> <li>➤ Set &amp; interval notation</li> </ul>		Inequalities worksheet
2	Aug. 17	<ul style="list-style-type: none"> <li>➤ Order of Operations</li> <li>➤ Domain &amp; Range</li> </ul>		Domain & Range & Order of operations worksheet
3	Aug. 21	<ul style="list-style-type: none"> <li>➤ Evaluating functions (numbers &amp; from a graph)</li> <li>➤ Function Operations</li> <li>➤ REVIEW FOR QUIZ</li> </ul>		warm up Evaluating functions worksheet day 1
4	Aug. 23	<ul style="list-style-type: none"> <li>➤ Evaluating functions (variables &amp; expressions)</li> </ul>	<b>QUIZ</b> Solve inequalities Order of operations Set & interval Domain & range	Evaluating functions day 2 worksheet
5	Aug.27	<ul style="list-style-type: none"> <li>➤ Graphing linear functions (all 3 forms, rewriting if needed)</li> <li>➤ REVIEW FOR QUIZ</li> </ul>		Linear functions worksheet
6	Aug.29	<ul style="list-style-type: none"> <li>➤ Evaluate piecewise function (including absolute value and square roots)</li> </ul>	<b>QUIZ</b> Evaluate functions with numbers, variables and operations. Functions operations	Evaluating piecewise functions worksheet
7	Aug.31	<ul style="list-style-type: none"> <li>➤ Linear piecewise graph. Stating domain and range.</li> </ul>		Graphing piecewise functions worksheet
8	Sept. 5	<ul style="list-style-type: none"> <li>➤ Review Piecewise for quiz</li> <li>➤ Begin Reviewing for test</li> </ul>	<b>QUIZ</b> Evaluating piecewise Graphing piecewise	
9	Sept. 7	<ul style="list-style-type: none"> <li>➤ REVIEW FOR TEST</li> </ul>		Unit 1 review
10	Sept. 12	<ul style="list-style-type: none"> <li>➤</li> </ul>	<b>TEST</b>	Polynomial operations worksheet
11	Sept. 14	<ul style="list-style-type: none"> <li>➤ Quadratic functions <b>standard form</b> (Find vertex, axis of symmetry, domain, range, intercepts, max or min and graph with 3 to 5 points)</li> </ul>		Graphing quadratics in standard form worksheet
12	Sept. 18	<ul style="list-style-type: none"> <li>➤ Quadratic functions <b>vertex form</b> (Find vertex, axis of symmetry, domain, range, intercepts, max or min and graph with 3 to 5 points)Completing the square when a = 1</li> <li>➤</li> <li>➤</li> </ul>		Vertex form of a quadratic worksheet Completing the square worksheet

13	Sept.21	<ul style="list-style-type: none"> <li>➤ Factoring GCF difference of two squares, by grouping.</li> <li>➤ REVIEW FOR QUIZ</li> </ul>		Factoring Day 1
14	Sept.25	<ul style="list-style-type: none"> <li>➤ Factoring trinomial <math>a = 1</math></li> </ul>	<p style="color: red; margin: 0;">QUIZ Quadratic functions in standard and vertex form, completing the square <math>a = 1</math></p>	Factoring Day 2
15	Sept.27	<ul style="list-style-type: none"> <li>➤ Factoring trinomials that requires 2 steps. Step 1, GCF, step 2 factoring a trinomial <math>a = 1</math>.</li> </ul>		Factoring Day 3
16	Oct.1	<ul style="list-style-type: none"> <li>➤ Factoring trinomial <math>a \neq 1</math></li> </ul>		Factoring Day 4
17	Oct.3	<ul style="list-style-type: none"> <li>➤ Mixed factoring</li> </ul>		Mixed – factoring worksheet
18	Oct. 5	<ul style="list-style-type: none"> <li>➤ REVIEW FOR TEST</li> </ul>	<p style="color: red; margin: 0;">QUIZ Factoring</p>	
19	Oct. 9	<ul style="list-style-type: none"> <li>➤ TEST</li> <li>➤ <b>Grades end!</b></li> </ul>		Spiral number 1
20		<ul style="list-style-type: none"> <li>➤</li> </ul>		
21		<ul style="list-style-type: none"> <li>➤</li> </ul>		