

## ALGEBRA II

### FIRST QUARTER SYLLABUS 2019-2020

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

	Date	TOPIC	ASSESSMENTS	HOMEWORK
1	8/14	➤ Class introduction, Solve Inequalities, Set & Interval Notation		Inequality worksheet
2	8/16	➤ Order of Operations, Domain & Range		Domain & Range, Order of operations worksheet
3	8/20	➤ Evaluating functions (numbers & from a graph), Function Operations, REVIEW FOR QUIZ		Evaluating functions worksheet day 1
4	8/22	➤ Evaluating functions (variables & expressions)	<b>QUIZ</b> Solve inequalities Order of operations Set & interval Domain & range	Evaluating functions day 2 worksheet
5	8/26	➤ Graphing linear functions (all 3 forms, rewriting if needed), REVIEW FOR QUIZ		Linear functions worksheet
6	8/28	➤ Evaluate piecewise function (including absolute value and square roots)	<b>QUIZ</b> Evaluate functions with numbers, variables and operations. Functions operations	Evaluating piecewise functions worksheet
7	8/30	➤ Linear piecewise graph. Stating domain and range.		Graphing piecewise functions worksheet
8	9/4	➤ Review Piecewise for quiz, Begin Reviewing for test	<b>QUIZ</b> Evaluating piecewise Graphing piecewise	
9	9/6	➤ REVIEW FOR TEST		Unit 1 review
10	9/10	➤ Unit 1 Test	<b>Unit 1 TEST</b>	Polynomial operations worksheet
11	9/12	➤ Quadratic functions <b>standard form</b> (Find vertex, axis of symmetry, domain, range, intercepts, max or min and graph with 3 to 5 points)		Graphing quadratics in standard form worksheet
12	9/16	➤ Quadratic functions <b>vertex form</b> (Find vertex, axis of symmetry, domain, range, intercepts, max or min and graph with 3 to 5 points) ➤ Changing from standard to vertex form		Vertex form of a quadratic function worksheet
13	9/18	➤ Factoring GCF difference of two squares, by grouping, REVIEW FOR QUIZ		Factoring Day 1 Worksheet
14	9/20	➤ Factoring trinomial $a = 1$ ➤ Factoring trinomials that requires 2 steps. Step 1, GCF, step 2 factoring a trinomial $a = 1$ .	<b>QUIZ</b> Quadratic functions in standard and vertex form	Factoring Day 2 Worksheet (odds) and Factoring Day 3 Worksheet (odds)

<b>15</b>	9/24	➤ Factoring trinomial $a \neq 1$		Factoring Day 4 Worksheet Skip #2, 3, 7, 8, 10, 12, & 16
<b>16</b>	9/26	➤ Mixed factoring		Mixed – factoring worksheet
<b>17</b>	10/1	➤ REVIEW FOR TEST	<b>QUIZ Factoring</b>	Unit 2 Review Worksheet #1
<b>18</b>	10/3	➤ REVIEW FOR TEST		Unit 2 Review Worksheet #2 Study for Unit 2 Test
<b>19</b>	10/7	➤ Unit 2 TEST, <b>Q1 Grades end!</b>	<b>Unit 2 TEST</b>	<b>Spiral #1</b>