

Algebra II - Semester 1 Pacing Guide (2023-2024)

DATE	LESSON PLAN	HOMEWORK
Thurs 8/10 All (MD)	Course Introductions	Bring ID Card and prepare 2 interesting things to talk about yourself
Fri 8/11-14	Course Policies, website & textbooks pick up	Read course syllabus, search the website & sign into big ideas
Tues 8/15-16	1.1 Parent Functions & Transformation	HW#1 (1.1) pg. 8-9 #3-23 odds 24, 27-29, 31-32, 55 & 57 (19 pts)
Thurs 8/17-18	1.2 Trans. of Linear & Absolute equations.	HW#2 (1.2) pg. 16-18 #3-6, 11-18, 27-30, 46, & 48 (18 pts)
Mon 8/21-22	1.3 Modeling w/ Linear Functions	HW#3 (1.3) pg. 26-28 #1, 3-9, 13, 33 & 35 (11 pts)
Wed 8/23-24	1.4 Solving Linear Systems	HW #4 (1.4) pg. 34-36 #1-6, 11, 13 & 23 (9 pts)
Fri 8/25-28	Chapter 1 Practice Quiz	Chapter 1 Practice Quiz
Tues 8/29-30	Chapter 1 Review	HW#5 1.1-1.4 Review pg. 38-40 #1-13 (12 pts)
Thurs 8/31-9/1	QUIZ #1 1.1-1.4	
Mon 9/4	No School	LABOR DAY
Tues 9/5-6	Mathematical Analysis Readness Test	Fastbridge Assessment
Thurs 9/7-8	2.1 Trans. of Quadratic Functions	HW#6 (2.1) pg. 52-54 #'s 4, 6, 10, 14-24 even, 28-40 even (16 pts)
Mon 9/11-12	2.2 Characteristics of Quad. Functions	HW#7 (2.2) pg. 61-64 #'s 1, 4, 8, 12, 16, 18, 22, 24, 28, 33, 35, 42, 44, 54, 56 & 77 (16 pts)
Wed 9/13-14	2.4 Modeling w/ Quad. Equations	HW#8 (2.4) pg. 80-81 #'s 3, 4, 6, 9, 10-18 even & 21 (10 pts)
Fri 9/15-18	Chapter 2 Practice Quiz	Chapter 2 Practice Quiz
Tues 9/19-20	Chapter 2 Review Tessellation Project (6 pts)	HW#9 2.1-2.4 Rev. pg. 84-86 #'s 1-8, 13, 14 & 16 (11 pts)
Thurs 9/21-22	QUIZ #2 2.1-2.4	
Mon 9/25-26	No School	
Wed 9/27-28	3.1 Solving Quadratic Equations	HW#10 (3.1) pg. 99-102 #'s 1, 2, 14-20 even, 23, 28-34 even, 35, 36, 42-46 even, 50-54 even, 59, 64, 71, 76-82 even (26 pts)
Fri 9/29 (MD)	Finish HW #10 (3.1)	Work on tessellation project and enjoy homecoming
Mon 10/2-10/3	3.2 Complex Numbers	HW#11 (3.2) pg. 108-109 #'s 1, 6-12 even, 22-26 even, 31, 38-44 even, 50-60 even, 63-65, 82 & 84 (21 pts)
Wed 10/4-5	3.3 Completing the Square	HW#12 (3.3) pg. 116-118 #'s 4-32 even, 56 & 58 (17 pts)
Fri 10/6-9	3.4 Using the Quad Formula	HW#14 (3.4) pg. 127-130 #'s 6-26 even, 35-38 (15 pts)
Tues 10/10-11	3.5 Solving Nonlinear Systems	HW#15 (3.5) pg. 136-138 #'s 1, 12-24 even 34-35, 37, 54, 62-63 & 66 (15 pts)
Thurs 10/12-13	3.6 Quadratic Inequalities Chapter 3.1-3.6 Practice Quiz	HW#16 (3.6) pg. 144-146 #'s 3-6, 8, 10, 13, 16, 18, 28-32 even 37, 58-59 (15 pts) & Chapter 3.1-3.6 Practice Quiz Tessellation Project Due (6 pts)
Mon 10/16-17	Chapter 3 Review	HW#17 3.1 -3.6 Rev. pg 148 #'s 1-25, 27 & 28 (27 Optional Extra Credit pts)
Wed 10/18-19	QUIZ #3 3.1-3.6	

Fri 10/20-23	Midterm Practice	Midterm Practice (0 pts)
Tues 10/24-25	MIDTERM (Chp 1-3)	
Thurs 10/26-27	4.1 Graphing Poly. Functions	HW#18 (4.1) pg. 162-164 #'s 1, 2-8 even 9-10, 12, 15, 18-22 even 27-29, 52-56 even (19 pts)
Mon 10/30-31	4.2 +, -, & x Polynomials	HW#19 (4.2) pg. 170-172 #'s 4-22 even, 27-29, 41-42, 44-48 even (18 pts)
Wed 11/1	No School	
Thurs 11/2-3	4.3 Dividing Polynomials	HW#20 (4.3) pg. 177-178 #'s 3,4-14 even, 18-32 even, 37-39, 42-44 (20 pts)
Mon 11/6-7	4.4 Factoring Polynomials	HW#21 (4.4) pg. 184-186 #'s 1-2,5-6, 10, 13, 16, 19, 21, 24-28 even, 32-36 even, 39, 42, 46, 50, 53-54, 58, 62 & 64 (23 pts)
Wed 11/8-9	Chapter 4.1-4.4 Practice Quiz	Chapter 4.1-4.4 Practice Quiz
Fri 11/10	No School	VETERANS DAY
Mon 11/13-14	Chapter 4.1-4.4 Review	HW#22 (4.1-4.4) Rev. pg. 226-227 #'s 1-22 (22 pts)
Wed 11/15-16	Quiz #4 4.1-4.4	
Fri 11/17-27	4.5 Solving Polynomial Equations	HW#23 (4.5) pg. 194-196 #'s 1, 2-10 even, 14, 18, 22-28E, 34, 38, 40 42-44, 56 & 72 (20 pts)
Fall Break 11/20-24		
Tues 11/28-29	4.6 The Fundamental Theorem of Algebra	HW#24 (4.6) pg. 202-204 #'s 1, 2-8 even, 9, 12, 14, 17-20, 22, 24-25, 30, 54-55, 57 & 60 (20 pts)
Thurs 11/30 - 12/1	4.7 Transformations of Poly. Functions	HW#25 (4.7) pg. 209-210 #'s 2, 6, 8-9, 14-24 even 25, 27, 32, 34 & 36 (15 pts)
Mon 12/4-5	4.8 Analyzing Graphs of Poly. Functions 4.9 Modeling w/ Poly. Functions	HW#26 (4.8) pg. 216-218 #'s 3-6, 8, 10, 12, 18-22 even, 40-44 even (13 pts) HW#27 (4.9) pg. 223-224 #'s 3-6, 13, 26, 28-29 & 32 (9 pts)
Wed 12/6-7	Chapter 4.5-4.9 Practice Quiz	Chapter 4.5-4.9 Practice Quiz
Fri 12/8-11	Review Chapter 4.5-4.9	HW#28 (4.5-4.9) Rev. pg. 228-230 #'s 23-27, 29, 34-43 (16 pts)
Tues 12/12-13	Quiz #5 4.5-4.9	All late work is due Dec 10th
Thurs 12/14 - Fri 12/15 w/ B Period Finals	Final Review	Final Practice & Notesheet (0 pts)
Finals 12/18 - 12/20		
Winter Break 12/21-1/5		

This is a tentative Schedule by topic and is subject to change. Any changes and all homework assignments will be posted in class.