

Algebra 2
Assignment Schedule
2021-2022

Semester 1

Chapter 1 Linear Functions				
Day	Date	Lesson	Assignment	Total
Monday	Aug 23	Syllabus (morning)		
Tuesday	Aug 24	Syllabus (afternoon)		
Wednesday	Aug 25	Prepare for Chapter 1 (NG video and Practice)	1 #1-2, 2 #1-10	12
Thursday	Aug 26	1.1 Parent Functions and Transformations	8 #1-13 every other odd, 15, 17-41 every other odd, 43, 45, 49, 55, 59, 63, 67, 73	20
Monday	Aug 30	1.2 Transformations of Linear and Absolute Value Functions	16 #1, 3, 5, 9, 11, 13, 15, 17, 21, 27, 29, 31, 33, 35, 39, 45, 49, 51, 53, 57	20
Tuesday	Aug 31	1.3 Modeling with Linear Functions	24 #1-17 odd, 21, 31, 35, 39, 41, 45	15
Wednesday	Sep 01	1.4 Solving Linear Systems	32 #1, 5, 9, 13, 15, 17, 19, 23, 27, 29, 35, 43, 47, 51, 55, 59	15
Thursday	Sep 02	1.Review	Worksheet	
Monday	Sep 06	Labor Day		
Tuesday	Sep 07	1.Test		100
Wednesday	Sep 08	School Picnic		
Chapter 2 Quadratic Functions				
Day	Date	Lesson	Assignment	Total
Thursday	Sep 09	Prepare for Chapter 2 (NG video and Practice)	43 #1, 44 #1-13	14
Monday	Sep 13	2.1 Transformations of Quadratic Functions	50 #1, 5, 9, 13, 17, 21, 23, 25, 27, 29, 31, 33, 37, 41, 45, 49, 53, 55, 57, 63	20
Tuesday	Sep 14	MAP Testing		
Wednesday	Sep 15	2.2 Characteristics of Quadratic Functions	59 #1, 5, 9, 17, 21, 25, 29, 33, 37, 43, 47, 51, 55, 59, 65, 77, 81, 83, 85, 93	20
Thursday	Sep 16	2.3 Focus of a Parabola	68 #1, 5, 9, 13, 17, 19, 21, 25, 29, 33, 37, 41, 45, 49, 53, 59, 61, 65, 67, 71	20
Monday	Sep 20	2.4 Modeling with Quadratic Functions	76 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 25, 27, 29, 31, 37, 39, 43, 47, 49	20
Tuesday	Sep 21			
Wednesday	Sep 22	2.Review	Worksheet	
Thursday	Sep 23	2.Test		100
Chapter 3 Quadratic Equations and Complex Numbers				
Day	Date	Lesson	Assignment	Total
Monday	Sep 27	Prepare for Chapter 3 (NG video and Practice)	87 #1-3, 88 #1-14	17
Tuesday	Sep 28	3.1 Solving Quadratic Equations	95 #1, 5, 9, 13, 17, 21, 25, 29, 31, 35, 39, 43, 47, 51, 63, 79, 81, 83, 85, 91	20
Wednesday	Sep 29	3.2 Complex Numbers	105 #1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 47, 49, 53, 57, 61, 65, 69, 75, 79, 95, 97, 99, 101, 103	25
Thursday	Sep 30	3.3 Completing the Square	114 #1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 61, 73, 77, 79, 81, 87	20
Monday	Oct 04	3.4 Using the Quadratic Formula	123 #1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 61, 75, 79, 81, 83, 91	20
Tuesday	Oct 05	3.Solve By Any Method	Worksheet	
Wednesday	Oct 06	3.5 Solving Nonlinear Systems of Equations	132 #1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 47, 49, 55, 59, 63, 69, 71, 73	20
Thursday	Oct 07	3.6 Quadratic Inequalities	140 #1, 5, 9, 13, 15, 17, 21, 25, 27, 29, 33, 37, 41, 45, 49, 57, 61, 63, 65, 67	20
Monday	Oct 11	Columbus Day		
Tuesday	Oct 12			
Wednesday	Oct 13	PSAT Testing		
Thursday	Oct 14	3.Review	Worksheet	
Monday	Oct 18	3.Test		100
Chapter 4 Polynomial Functions				
Day	Date	Lesson	Assignment	Total
Tuesday	Oct 19	Prepare for Chapter 4 (NG video and Practice)	151 #1, 152 #1-10	11
Wednesday	Oct 20	4.1 Graphing Polynomial Functions	158 #1, 5, 7, 9, 13, 15, 19, 21, 23, 25, 29, 31, 33, 35, 39, 51, 53, 55, 57, 59	20
Thursday	Oct 21	Asynchronous Learning Day - Accreditation		
Monday	Oct 25	4.2 Adding, Subtracting, and Multiplying Polynomials	166 #1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 47, 59, 61, 65, 71, 73, 75, 79	20
Tuesday	Oct 26	4.3 Dividing Polynomials	173 #1, 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 27, 29, 35, 39, 41, 51, 52, 55	20
Wednesday	Oct 27	4.4 Factoring Polynomials	180 #1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 71, 73, 75, 77, 85	20
Thursday	Oct 28	Parent-Teacher Conferences		
Monday	Nov 01	4.5 Solving Polynomial Equations	188 #1, 5, 9, 13, 17, 21, 25, 29, 31, 33, 37, 41, 45, 49, 57, 65, 67, 69, 71, 83	20
Tuesday	Nov 02	4.6 The Fundamental Theorem of Algebra	196 #1, 3, 5, 7, 9, 11, 13, 17, 21, 25, 29, 31, 33, 37, 45, 51, 53, 55, 57, 59	20
Wednesday	Nov 03	4.7 Transformations of Polynomial Functions	203 #1, 5, 7, 9, 13, 15, 17, 21, 25, 29, 33, 35, 37, 39, 41	15
Thursday	Nov 04	4.8 Analyzing Graphs of Polynomial Functions	210 #1, 3, 5, 9, 13, 17, 21, 23, 25, 29, 31, 33, 37, 41, 45, 57, 59, 63, 67, 69	20
Monday	Nov 08	Junior Preview		
Tuesday	Nov 09	4.9 Modeling with Polynomial Functions	217 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 29, 31	15
Wednesday	Nov 10			
Thursday	Nov 11	4.Review	Worksheet	
Monday	Nov 15	4.Test		100
Chapter 5 Rational Exponents and Radical Functions				
Day	Date	Lesson	Assignment	Total
Tuesday	Nov 16	Prepare for Chapter 5 (NG video and Practice)	229 #1-3, 230 #1-13	16
Wednesday	Nov 17	5.1 nth Roots and Rational Exponents	235 #7, 9, 11, 13, 15, 17, 19, 21, 23, 27, 31, 35, 37, 39, 43, 47, 49, 51, 53, 55	20
Thursday	Nov 18	5.2 Properties of Rational Exponents and Radicals	242 #1-49 every other odd, 51, 55, 59, 63, 67, 71, 73, 81, 85, 87, 93, 95	25
Monday	Nov 22	5.3 Graphing Radical Functions	250 #1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 39, 41, 45, 49, 59, 67, 69, 71, 73, 79	20
Tuesday	Nov 23	5.4 Solving Radical Equations and Inequalities	258 #1, 5, 9, 13, 17, 21, 25, 29, 31, 33, 37, 41, 45, 49, 51, 57, 61, 69, 77, 81	20
Wednesday	Nov 24	Quirky Turkey		
Thursday	Nov 25	Thanksgiving		
Monday	Nov 29	Asynchronous Learning Day - Accreditation		
Tuesday	Nov 30	5.5 Performing Function Operations	265 #1, 3, 5, 7, 9, 15, 17, 21, 23, 25, 27, 29, 35, 37, 39	15
Wednesday	Dec 01	5.6 Composition of Functions	271 #1, 5, 9, 13, 17, 21, 25, 31, 33, 37, 43, 45, 47, 49, 51	15
Thursday	Dec 02	5.7 Inverse of a Function	279 #1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 43, 45, 47, 51, 57, 71, 77, 83, 87, 91	20
Monday	Dec 06			
Tuesday	Dec 07	5.Review	Worksheet	
Wednesday	Dec 08	5.Test		100
Thursday	Dec 09	Review Ch 1-2		
Monday	Dec 13	Review Ch 3-4		
Tuesday	Dec 14	Review Ch 5		
Wednesday	Dec 15	Finals		
Thursday	Dec 16	Final Exam		200
Friday	Dec 17	Finals		

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Semester 2

Chapter 6 Exponential and Logarithmic Functions				
Day	Date	Lesson	Assignment	Total
Monday	Jan 03	Prepare for Chapter 6 (NG video and Practice)	291 #1-3, 292 #1-8	11
Tuesday	Jan 04	6.1 Exponential Growth and Decay Functions	298 #1, 5, 9, 13, 17, 19, 21, 23, 25, 27, 31, 37, 39, 41, 49, 55, 59, 61, 63, 67	20
Wednesday	Jan 05	6.2 The Natural Base e	305 #1, 3, 5, 7, 9, 11, 13, 17, 19, 21, 25, 29, 33, 37, 39, 43, 45, 47, 51, 55	20
Thursday	Jan 06	6.3 Logarithms and Logarithmic Functions	312 #1, 5, 7, 11, 13, 17, 21, 23, 27, 29, 31, 35, 37, 41, 43, 47, 49, 51, 55, 59, 61, 63, 75, 79, 85	25
Monday	Jan 10	6.4 Transformations of Exponential and Logarithmic Functions	320 #1, 3, 5, 9, 13, 17, 21, 23, 25, 27, 29, 35, 39, 43, 51, 53, 55, 59, 61, 65	20
Tuesday	Jan 11	<i>Asynchronous Learning Day - Accreditation</i>		
Wednesday	Jan 12	6.5 Properties of Logarithms	327 #1-37 odd, 43, 47, 53, 57, 59, 61	25
Thursday	Jan 13	6.6 Solving Exponential and Logarithmic Equations	334 #1, 3, 5, 9, 11, 13, 15, 17, 21, 25, 29, 31, 33, 35, 37, 43, 47, 49, 51, 57, 75, 77, 79, 83, 87	25
Monday	Jan 17	<i>Martin Luther King Jr. Day</i>		
Tuesday	Jan 18	6.7 Modeling with Exponential and Logarithmic Functions	342 #1, 3, 5, 9, 13, 15, 17, 19, 21, 25, 27, 41, 49, 51, 53	15
Wednesday	Jan 19	6.Review	Worksheet	
Thursday	Jan 20	6.Test		100
Chapter 7 Rational Functions				
Day	Date	Lesson	Assignment	Total
Monday	Jan 24	Prepare for Chapter 7 (NG video and Practice)	353 #1-3, 354 #1-7	10
Tuesday	Jan 25	7.1 Inverse Variation	359 #1-27 odds, 31, 35, 39, 45, 47, 49	20
Wednesday	Jan 26	7.2 Graphing Rational Functions	366 #1, 5, 9, 13, 17, 19, 21, 25, 29, 31, 35, 39, 41, 43, 45, 57, 59, 61, 63, 67	20
Thursday	Jan 27	7.3 Multiplying and Dividing Rational Expressions	374 #1, 5, 7, 9, 11, 13, 15, 17, 19, 23, 25, 27, 29, 31, 33, 43, 45, 47, 49, 55	20
Monday	Jan 31	7.4 Adding and Subtracting Rational Expressions	382 #1, 5, 9, 11, 13, 15, 17, 19, 21, 23, 27, 31, 35, 39, 41, 55, 57, 59, 61, 65	20
Tuesday	Feb 01	7.5 Solving Rational Equations	390 #1, 5, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 35, 37, 39, 57, 59, 61, 63, 65	20
Wednesday	Feb 02	7.Review	Worksheet	
Thursday	Feb 03	7.Test		100
Chapter 8 Probability				
Day	Date	Lesson	Assignment	Total
Monday	Feb 07	Prepare for Chapter 8 (NG video and Practice)	401 #1-3, 402 #1-5	8
Tuesday	Feb 08	8.1 Sample Spaces and Probability	408 #1, 2, 3, 5, 7, 8, 9, 11, 12, 13, 15, 17, 19, 23, 25, 29, 33, 35, 37, 39	20
Wednesday	Feb 09	8.2 Two-Way Tables and Probability	415 #1, 2, 3, 5, 7, 9, 11, 13, 14, 15, 19, 21, 25, 27, 29	15
Thursday	Feb 10	8.3 Conditional Probability	422 #1, 3, 5, 7, 9, 10, 11, 13, 15, 16, 17, 18, 19, 21, 25, 29, 31, 33, 35, 37	20
Monday	Feb 14	8.4 Independent and Dependent Events	430 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 41	20
Tuesday	Feb 15	8.5 Probability of Disjoint and Overlapping Events	437 #1-30 odd	15
Wednesday	Feb 16	8.6 Permutations and Combinations	445 #3, 5, 7, 11, 13, 15, 17, 19, 21, 23, 27, 29, 33, 35, 37, 45, 47, 51, 55, 59, 67, 71, 83, 85, 87	25
Thursday	Feb 17	8.7 Binomial Distributions	453 #1, 3, 5, 7, 9, 11, 12, 13, 15, 17, 19, 21, 23, 25, 27	15
Monday	Feb 21	<i>President's Day</i>		
Tuesday	Feb 22	8.WS Law of Large Numbers	Worksheet	
Wednesday	Feb 23			
Thursday	Feb 24	8.Review	Worksheet	
Monday	Feb 28	8.Test		100
Chapter 9 Data Analysis and Statistics				
Day	Date	Lesson	Assignment	Total
Tuesday	Mar 01	Prepare for Chapter 9 (NG video and Practice)	463 #1-2, 464 #1-7	9
Wednesday	Mar 02	9.1 Using Normal Distributions	470 #1, 3, 5, 9, 11, 13, 15, 17, 19, 21, 25, 27, 29, 33, 37, 39, 41, 43, 45, 47	20
Thursday	Mar 03	9.2 Populations, Samples, and Hypotheses	478 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 22, 23, 25, 29, 31, 33, 35, 39, 41	20
Monday	Mar 07	9.3 Collecting Data	486 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 39, 41, 43, 49	20
Tuesday	Mar 08	<i>Academy Day</i>		
Wednesday	Mar 09	9.4 Experimental Design	493 #1, 2, 3, 5, 6, 7, 9, 11, 12, 13, 16, 18, 20, 21, 23	15
Thursday	Mar 10	9.5 Making Inferences from Sample Surveys	501 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 29, 33, 35, 41, 43, 45, 47	20
Monday	Mar 14	9.6 Making Inferences from Experiments	509 #1-10 all, 13-16 all, 20	15
Tuesday	Mar 15			
Wednesday	Mar 16	9.Review	Worksheet	
Thursday	Mar 17	9.Test (3x5 card)		100
Monday	Mar 21	<i>Spring Break</i>		
Tuesday	Mar 22	<i>Spring Break</i>		
Wednesday	Mar 23	<i>Spring Break</i>		
Thursday	Mar 24	<i>Spring Break</i>		
Chapter 10 Trigonometric Ratios and Functions				
Day	Date	Lesson	Assignment	Total
Monday	Mar 28	Prepare for Chapter 10 (NG video and Practice)	519 #1-2, 520 #1-10	12
Tuesday	Mar 29	10.1 Right Triangle Trigonometry	526 #1, 5, 9, 13, 15, 17, 21, 23, 25, 29, 33, 37, 39, 45, 49, 51, 53, 55, 58, 60	20
Wednesday	Mar 30	10.2 Angles and Radian Measure	534 #1, 3, 5, 7, 9, 11, 13, 15, 19, 21, 23, 25, 29, 31, 33, 40, 42, 45, 46, 49	20
Thursday	Mar 31	<i>Parent-Teacher Conferences</i>		
Monday	Apr 04	10.3 Trigonometric Functions of Any Angle	542 #1, 3, 5, 7, 9, 11, 13, 15, 17, 21, 25, 29, 33, 35, 41, 51, 53, 57, 58, 59	20
Tuesday	Apr 05	10.4 Graphing Sine and Cosine Functions	551 #1, 3, 5, 7, 9, 13, 17, 19, 21, 25, 29, 31, 33, 37, 39, 41, 43, 45, 47, 63, 67, 77, 79, 81, 85	25
Wednesday	Apr 06	10.5 Graphing Other Trigonometric Functions	560 #1, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 29, 33, 35, 41, 47, 48, 49, 55, 57	20
Thursday	Apr 07	10.6 Modeling with Trigonometric Functions	568 #1, 3, 5, 7, 9, 11, 12, 13, 15, 17, 19, 20, 21, 23, 25, 32, 33, 37, 45, 47	20
Monday	Apr 11	10.7 Using Trigonometric Identities	575 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 33, 35, 39, 41, 42, 45, 46	20
Tuesday	Apr 12	10.8 Using Sum and Difference Formulas	581 #1, 3, 5, 7, 9, 11, 13, 17, 19, 21, 23, 25, 27, 29, 33, 39, 43, 44, 46, 48	20
Wednesday	Apr 13	<i>Community Service Day</i>		
Thursday	Apr 14			
Monday	Apr 18	10.Review	Worksheet	
Tuesday	Apr 19	10.Test (3x5 card)		100
Chapter 11 Sequences and Series				
Day	Date	Lesson	Assignment	Total
Wednesday	Apr 20	Prepare for Chapter 11 (NG video and Practice)	593 #1-2, 594 #1-10	12
Thursday	Apr 21	11.1 Defining and Using Sequences and Series	600 #1, 5, 9, 13, 17, 21, 25, 27, 29, 33, 37, 41, 45, 47, 49, 59, 63, 65, 67, 69	20
Monday	Apr 25	11.2 Analyzing Arithmetic Sequences and Series	608 #1, 5, 9, 13, 17, 19, 21, 25, 29, 33, 37, 41, 43, 45, 50, 57, 65, 67, 71, 75	20
Tuesday	Apr 26	11.3 Analyzing Geometric Sequences and Series	616 #1, 5, 13, 17, 19, 23, 27, 31, 35, 37, 41, 43, 45, 47, 53, 63, 65, 66, 68, 70	20
Wednesday	Apr 27	11.4 Finding Sums of Infinite Geometric Series	623 #1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 25, 27, 29, 31, 33, 35, 37, 39, 41	20
Thursday	Apr 28	11.5 Using Recursive Rules with Sequences	631 #1, 5, 9, 13, 17, 21, 23, 25, 29, 33, 35, 37, 39, 41, 45, 49, 53, 59, 61, 65, 69, 70, 71, 73, 74	25
Monday	May 02			
Tuesday	May 03	11.Review	Worksheet	
Wednesday	May 04	11.Test (3x5 card)		100
Chapter 12 Matrices				
Day	Date	Lesson	Assignment	Total
Thursday	May 05	Prepare for Chapter 12 (NG video and Practice)	643 #1-3, 644 #1-7	10
Monday	May 09	12.1 Basic Matrix Operations	650 #1, 5, 9, 13, 15, 17, 19, 21, 23, 25, 29, 33, 35, 37, 39, 49, 51, 53, 57, 58	20
Tuesday	May 10	12.2 Multiplying Matrices	658 #1, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 29, 35, 39, 41, 49, 51, 55, 59, 63	20
Wednesday	May 11	12.3 Determinants and Cramer's Rule	667 #1, 3, 5, 9, 13, 15, 17, 21, 23, 29, 31, 33, 35, 39, 45, 56, 57, 59, 61, 63	20
Thursday	May 12	12.4 Inverse Matrices	676 #1, 5, 9, 13, 15, 17, 23, 27, 29, 31, 57, 59, 61, 65, 69	15
Monday	May 16	<i>School Picnic</i>		
Tuesday	May 17	12.Review	Worksheet	
Wednesday	May 18	12.Test (3x5 card)		100
Thursday	May 19	Review Ch 6-8		
Monday	May 23	Review Ch 9-12		
Wednesday	May 25	Final Exam		200