Algebra 2 Metro Academic Studies   **Noelle Bandy**

Wednesdays at 10:45   bandygrading@gmail.com

			video total minutes incl. practice probs.	week total
17-Aug **week 1**	☐ Section 1.1: Real Numbers and Number Operations	25		
1A	☐ Section 1.2: Algebraic Expression	32		
1B	☐ Section 1.3: Linear Equations	29		
	☐ Section 1.4: Rewriting Equations	31	117	
24-Aug **week 2**	☐ Section 1.5: Modeling Real World Problems	25		
(1C)	☐ Section 1.6: Solving Linear Inequalities	33		
	☐ Section 1.7: Absolute Value and Inequalities	36	94	
31-Aug **week 3**	☐ 2.1: Functions and Graphs	42		
T1, 2A	☐ 2.2: Slope	44	86	
7-Sep **week 4**	☐ 2.3: Graphing Linear Equations	20		
2B C D E	☐ 2.4: Finding Equations of Lines	60		
	☐ 2.5: Best Fit Lines	42	122	
14-Sep **week 5**	**Mrs. B out!! Watch at home!**			
2F	☐ 2.6: Linear Inequalities	15		
	☐ 2.7: Piecewise Functions	59	74	
21-Sep **week 6**	☐ 2.8: Absolute Value Functions	29		
2G (H)	☐ Section 3.1: Graphical Solutions to Linear Systems	26		
3A	☐ Section 3.2: Algebraic Solutions to Linear Systems	48	103	
28-Sep **week 7**	☐ Section 3.3: Graphical Solutions to Inequalities	24		
T2	☐ Section 3.4: Graphing in 3 Dimensions	37		
3B	☐ Section 3.5: Solving Systems in 3 Dimensions	22	83	
5-Oct **week 8**	☐ Section 4.1: Graphing Quadratic Equations	51		
T3, 4A B	☐ Section 4.2: Factoring Quadratic Equations	79	130	
12-Oct **off**	Fall Break - no class - catch up!!			
19-Oct **week 9**	☐ Section 4.3: Solving Equations with Square Roots	31	146	
4C D	☐ Section 4.4: Complex Numbers	115!		
26-Oct **week 10**	☐ Section 4.5: Completing the Square	61		
4E F (G)	☐ Section 4.6: The Quadratic Formula	22		
5A	☐ Section 5.1: Properties of Exponents	14	97	
2-Nov **week 11**	☐ Section 5.2: Polynomial Functions	43		
T4	☐ Section 5.3: Operations on Polynomials	13		
5B C	☐ Section 5.4: Factoring Polynomials and Solving Equations	27	83	
9-Nov **week 12**	☐ Section 5.5: Dividing Polynomials	39		
5D E	☐ Section 5.6: Finding Rational Roots	48		
(5F G)	☐ Section 5.7: The Fundamental Theorem of Algebra	46	133	
16-Nov **week 13**	☐ Section 6.1: Roots and Exponents	34		
T5	☐ Section 6.2: Rational Exponents	47		
6A	☐ Section 6.3: Power Functions, Operations on Functions	52	133	
23-Nov **off**	**Thanksgiving Break**			
30-Nov **week 14**	☐ Section 6.4: Inverse Functions	37		
6B C	☐ Section 6.5: Square Root and Cube Root Functions	30	90	
(6C)	☐ Section 6.6: Solving Radical Equations	23		
7-Dec **week 15**	Review for Exam			

Semester exam due by 12/16/2022

Spring Semester A2   Mrs. Bandy

Date	Week	Section	Pts	Total
4-Jan	**week 15**	☐ 7.1: Exponential Growth	54	
	7A B	☐ 7.2: Exponential Decay	31	85
11-Jan	**week 16**	☐ 7.3: The Number e	39	
	7C D	☐ 7.4: Logarithmic Functions	69	108
18-Jan	**week 17**	☐ 7.5: Properties of Logarithms	68	
	7E F G (H)	☐ 7.6: Solving Logarithmic Equations	41	109
25-Jan	**week 18**	☐ 8.1: Inverse Variation, Joint Variation, Combined Variation	28	
	T7	☐ 8.2: Simple Rational Functions	33	
	8A B C	☐ 8.3: Graphing Rational Functions	29	90
1-Feb	**week 19**	☐ 8.4: Multiplication and Division with Rational Expressions	12	
	8D E F G	☐ 8.5: Addition and Subtraction with Rational Expressions	31	
	(8H I)	☐ 8.6: Solving Rational Equations	9	52
8-Feb	**week 20**	☐ 9.1: The Distance and Midpoint Formulas	17	
	T8	☐ 9.2: Parabolas	33	
	9A B C	☐ 9.3: Circles	13	63
15-Feb	**off**	Winter Break for EAS and MAS		
22-Feb	**week 21**	☐ 9.4: Ellipses	23	
	9D E	☐ 9.5: Hyperbolas	17	
	(9F)	☐ 9.6: Conic Sections	21	61
1-Mar	**week 22**	☐ 10.1: Sequences and Series	16	
	T9	☐ 10.2: Arithmetic Sequences, Arithmetic Series	16	
	10 A B C (D)	☐ 10.3: Geometric Sequences, Geometric Series	17	49
8-Mar	**week 23**	☐ 11.1: Introduction to Trigonometry	18	
	no T10	☐ 11.2: The Tangent Ratio	11	
	11A	☐ 11.3: Tangent Ratios for Particular Angles	37	66
15-Mar	**week 24**	☐ 11.4 The Unit Circle and the Tangent Function	32	
	11B	☐ 11.5 Solving Problems with the Tangent Ratio	46	78
22-Mar	**week 25**	☐ 11.6: Sine and Cosine	10	
	no hw!	☐ 11.7 Sine and Cosine for Particular Angles	53	
		☐ 11.8: Sine and Cosine on the Unit Circle	27	90
29-Mar	**week 26**	☐ 11.9 Solving Problems using Sine and Cosine	77	
	11C D E			77
5-Apr	**off**	Spring Break for EAS and MAS		
12-Apr	**week 27**	☐ 11.10 Non-trivial Trigonometry Problems	43	
	T11	☐ 12.1: Graphing the Sine and Cosine functions	33	76
19-Apr	**week 28**	☐ 12.2: Sinusoidal Motion and Circular Motion	72	
	12A B	☐ 12.3: Graphing the Tangent Function	39	111
26-Apr	**week 29**	☐ 12.4 Solving Trig Equations	116	
	12C D			116
3-May	**week 30**	☐ 12.5: The Law of Sines and Law of Cosines	57	
	12E F G			57
10-May	**week 31**	exam review day		

Final exam due by 5/27/2022