

## Algebra 1

Mrs. Bandy

## Metro Academic Studies - Weds 10:40-12:10

	Topic:	video minutes	week total:	(practice problems)
<b>13-Aug week 1</b>	1.1 Variables and Expressions	27		17
1A	1.2 Order of Operations	11		14
	1.3 Equations	10		7
	1.4 Translating Words into Expressions	6.5		0
	1.5 Translating Words into Equations	10	65	7
<b>20-Aug week 2</b>	1.6 <i>Recognizing Facts and Drawing Diagrams</i>	12		9
1B C D	1.7 Solving Problems	15		13
(1E)	1.8 Positive and Negative Inequalities	14		9
	1.9 Absolute Value	7.5	49	10
<b>27-Aug week 3</b>	2.1 <i>Assumptions about Real Numbers</i>	18		0
T1	2.2 The Number Line and Addition	7.5		0
2A	2.3 Addition of Real Numbers	12		0
	2.4 Subtraction	11		16
	2.5 The Distributive Property	21	52	0
<b>3-Sep week 4</b>	2.6 <i>Properties of Multiplication</i>	11		0
2B C	2.7 Consecutive Integers, Even and Odd	13.5		
	2.8 Reciprocals	10		0
	2.9 Division with Real Numbers	25.5	49	0
<b>10-Sep week 5</b>	<i>Finish up from last week at home!</i>			
2D E	3.1 Equations with Addition and Subtraction	25		0
	3.2 Equations with Multiplication and Division	27		0
3A B	3.3 Solving Equations in Multiple Steps	29	81	
<b>17-Sep week 6</b>	3.4 <i>Translating Word Problems into Equations</i>	18		16
T2	3.5 Equations with Variables on Both Sides	18		0
3B C	3.6 Organizing Information with Charts	34		14
	3.7 Techniques for Transforming Equations	29	81	0
<b>24-Sep week 7</b>	<i>Finish up from last week at home!</i>			
3D	4.1 Exponential Notation	13		11.5
(3E)	4.2 Addition and Subtraction of Polynomials	27		9.5
4A	4.3 Multiplying Polynomials	9		10
	4.4 Raising Monomials to a Power	12	61	8
<b>1-Oct week 8</b>	4.5 <i>Multiplying Polynomials by Monomials</i>	7		10
T3	4.6 Multiplying Polynomials	13		15
4B C	4.7 Formulas	10		15.5
	4.8 Distance, Rate, and Time Problems	19		0
	4.9 Problems Involving Area	27	69	10
<b>8-Oct week 9</b>	<b>NO IN PERSON CLASS THIS WEEK - MRS. BANDY OUT OF TOWN</b>			
4D (E)	4.10 <i>Problems With No Solution - watch at home</i>	9		5.5
	5.1 <i>Factoring Integers - watch at home!</i>	26	35	12.5
<b>15-Oct off</b>	Fall Break Week - no class. Catch up on missing work!			
<b>22-Oct week 10</b>	5.2 Dividing Monomials	35		0
T4	5.3 Dividing a Monomial by a Polynomial	41		30
5A B	5.4 Multiplying Binomials	19	95	9

<b>29-Oct week 11</b> 5C D	5.5	Difference of Two Squares	16		5
	5.6	Squaring Binomials	15		15
	5.7	Factoring Quadratics	14		0
	5.8	Factoring Polynomials	8.5	54	15
<b>5-Nov week 12</b> (5E)	5.9	<i>Factoring Polynomials</i>	11		14.5
	5.10	Factoring by Grouping Terms	20.5		5
	5.11	Combining Factoring Methods	14		7
	5.12	Using Factoring to Solve Equations	11.5	57	13
<b>12-Nov week 13</b> T5	Midterm Exam Review Day - Jeopardy! <b><i>Semester Exam Due after Thanksgiving Break</i></b>				
<b>19-Nov week 14</b> 6A 6B	6.1	Simplifying Fractions	35		2
	6.2	Multiplying Fractions	19		0
	6.3	Dividing Fractions	10	64	0
<b>26-Nov off</b>	<b>Thanksgiving Break</b>				
<b>3-Dec week 15</b>	6.4	Least Common Denominators	30		34
	6.5	Adding and Subtracting Fractions	25		0
	6.6	Mixed Numbers and Expressions	9	64	12.5
<b>10-Dec week 16</b> 6C D (E) T6 optional 7A	6.7	Dividing Polynomials	17		0
	7.1	Ratios	8.5		n/a
	7.2	Proportions	8.5		0
	7.3	Equations with Fractional Coefficients	19	53	0
<b><i>Have a great Christmas Break!!</i></b> METRO semester grade deadline 12/23					

## Spring Semester 2023

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<b>7-Jan week 17</b> 7C 7D	7.4	Fractional Equations	14		20.5
	7.5	Percents	17		0
	7.6	Percent Problems	20		0
	7.7	Mixture Problems	23	73	9
<b>14-Jan week 18</b> T7 8A B	7.8	<i>Work Problems</i>	12		n/a
	7.9	Negative Exponents	22.5		0
	7.10	Scientific Notation	32.5		0
	8.1	Equations with Two Variables	18	73	3.5
<b>21-Jan week 19</b> 8C D E	8.2	<i>The Cartesian Coordinate System</i>	13		n/a
	8.3	Graphing Equations of Lines	10		0
	8.4	Slope	25		10.5
	8.5	Direct Variation Equations	19	54	10.5
<b>28-Jan week 20</b> 8F	8.6	Slope-Intercept Form	22		12
	8.7	Parallel and Perpendicular Lines	18		8
	8.8	Point-Slope Form	20	60	10.5
<b>4-Feb week 21</b> 8G H 9A	8.9	Introduction to Functions	45		17
	8.10	Inverse Variations	18		7.5
				63	

<b>11-Feb week 22</b>	9.1	<i>Solving Systems by Graphing</i>	17	80	13
T8	9.2	Solving Systems by Substitution	17		15
9B C D	9.3	Word Problems with Two Variables	19		9
	9.4	Combining Linear Equations	9		0
9E (F)	9.5	Multiplying and Combining Equations	11	56	17
<b>18-Feb</b>		Winter Break EAS and MAS			
<b>25-Feb week 23</b>	9.6	<i>Wind and Water Currents</i>	26		16
T9	10.1	Inequalities and the Number Line	11		0
10A B C	10.2	Solving Inequalities	21		0
	10.3	Problem Solving with Inequalities	15	47	15.5
<b>4-Mar week 24</b>	10.4	Combined Inequalities	9		0
10D E F	10.5	Absolute Value Inequalities	10		0
(10G)	10.6	(Deliberately Omitted)			
	10.7	Graphing Linear Inequalities	12.5		0
	10.8	Systems of Linear Inequalities	7	39	0
<b>11-Mar week 25</b>	11.1	<i>Rational Numbers</i>	17		0
T10	11.2	Decimal Forms of Rational Numbers	45.5		0
11A	11.3	Rational Square Roots	22	68	0
<b>18-Mar week 26</b>	11.4	Irrational Square Roots	17		0
11B C	11.5	Square Root Expressions and Equations	40	57	0
<b>25-Mar week 27</b>	11.6	The Pythagorean Theorem	39		0
11D	11.7	Multiplication and Division with Radicals	35	74	0
<b>1-Apr week 28</b>	11.8	Adding and Subtracting Radicals	21		24
11E	11.9	Multiplying Binomials with Radicals	18	39	0
<b>8-Apr off</b>		Spring Break			
<b>15-Apr week 29</b>	11.10	Solving Radical Equations	29		17
11F G (H)	12.1	Quadratics with Perfect Squares	29	58	0
<b>22-Apr week 30</b>	12.2	Completing the Square	22		0
12A B	12.3	The Quadratic Formula	30	52	0
<b>29-Apr week 31</b>	12.4	Quadratic Equations, the Discriminant	33		n/a
12C (D)	12.5	Solving Quadratic Equations	10	43	0
<b>6-May week 32</b>		Exam review week - Jeopardy!			
		<i>Turning in test 12 will drop the lowest test for the semester</i>			
		<b><i>Semester exam due by 5/13</i></b>			
		METRO semester grade deadline 5/25			