

LESSON PLANS
February 12-16, 2024

Algebra 1 (Periods 1 and 2)

DAY	OBJECTIVES Students will be able to:	ACTIVITIES	ASSESSMENT	ACCOMMODATIONS	PA COMMON CORE STANDARDS
Monday	1. Use residuals to determine how well lines of fit model data. 2. Use technology to find lines of best fit. 3. Distinguish between correlation and causation.	1. Go over Friday's assignments. 2. Complete 4.5 Exit Ticket. 3. Introduce Lesson 4.6 on Arithmetic Sequences.	1. Homework 2. Class Participation 3. Exit Ticket	Individual students will be provided accommodations if mandated in their IEPs	CC.2.2.HS.D.10 CC.2.2.HS.D.7
Tuesday	1. Write the terms of arithmetic sequences. 2. Graph arithmetic sequences. 3. Write arithmetic	1. Go over homework assignment. 2. Model and practice finding the n th term of an arithmetic sequence. 3. Model and practice writing real-life functions.	1. Homework 2. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.2.HS.D.10 CC.2.2.HS.D.7

	sequences as functions.	4. Assign pg. 214 27-40 all.			
Wednesday	<p>1. Write the terms of arithmetic sequences.</p> <p>2. Graph arithmetic sequences.</p> <p>3. Write arithmetic sequences as functions.</p>	<p>1. Continue practicing writing arithmetic sequences individually on pg. 124-125 in the Student Journal.</p> <p>2. Complete 4.6 Exit Ticket.</p>	<p>1. Homework</p> <p>2. Class Participation</p> <p>3. Exit Ticket</p>	Individual students will be provided accommodations if mandated in their IEPs	<p>CC.2.2.HS.D.10</p> <p>CC.2.2.HS.D.7</p>
Thursday		<p>1. Go over homework.</p> <p>2. Complete a Kahoot Review for 4.4 through 4.6 Quiz.</p>	<p>1. Homework</p> <p>2. Class Participation</p>	Individual students will be provided accommodations if mandated in their IEPs	<p>CC.2.2.HS.D.10</p> <p>CC.2.2.HS.D.7</p>
Friday		<p>1. Complete 2/16 Algebra 1 Keystone Problem of the Week OE.</p> <p>2. Complete 4.4 through 4.6 Quiz.</p>	1. Quiz	Individual students will be provided accommodations if mandated in their IEPs	<p>CC.2.2.HS.D.10</p> <p>CC.2.2.HS.D.7</p>

CP Algebra II (Periods 3 and 4)

DAY	OBJECTIVES Students will be able to:	ACTIVITIES	ASSESSMENT	ACCOMMODATIONS	PA COMMON CORE STANDARDS
Monday	1. Describe transformations of quadratic functions. 2. Write transformations of quadratic functions.	1. Go over homework assignment. 2. Complete 2.1 Exit Ticket.	1. Homework 2. Class Participation 3. Exit Ticket	Individual students will be provided accommodations if mandated in their IEPs	CC.2.2.HS.D.7
Tuesday	1. Explore properties of parabolas. 2. Find maximum and minimum values of quadratic functions.	1. Define the axis of symmetry. 2. Model and practice using symmetry to graph quadratic functions. 3. Define standard form of a quadratic function.	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.2.HS.D.7

	<p>3. Graph quadratic functions using x-intercepts.</p> <p>4. Solve real-life problems.</p>	<p>4. Discuss the properties of parabolas.</p> <p>5. Model and practice graphing quadratic functions in standard form.</p> <p>6. Assign pg. 61 4-14 even, 15-18 all, 22-24 even</p>			
Wednesday	<p>1. Explore properties of parabolas.</p> <p>2. Find maximum and minimum values of quadratic functions.</p> <p>3. Graph quadratic functions using x-intercepts.</p> <p>4. Solve real-life problems.</p>	<p>1. Complete 2/17 Algebra 1 Keystone Problem of the Week OE and Go over homework assignment.</p> <p>2. Define minimum and maximum.</p> <p>3. Model and practice finding minimums and maximums.</p> <p>4. Define intercept form.</p> <p>5. Model and practice graphing quadratic functions in intercept form.</p> <p>6. Model and practice real-life problems.</p> <p>7. Assign pg. 61 36-48 even</p>	<p>1. Homework</p> <p>2. Class Participation</p>	<p>Individual students will be provided accommodations if mandated in their IEPs</p>	<p>CC.2.2.HS.D.7</p>

Thursday	<ol style="list-style-type: none"> 1. Explore properties of parabolas. 2. Find maximum and minimum values of quadratic functions. 3. Graph quadratic functions using x-intercepts. 4. Solve real-life problems. 	<ol style="list-style-type: none"> 1. Go over homework assignment. 2. Finish 2.2 Notes. 3. Assign Student Journal Pg. 33 	<ol style="list-style-type: none"> 1. Homework 2. Class Participation 	Individual students will be provided accommodations if mandated in their IEPs	CC.2.2.HS.D.7
Friday	<ol style="list-style-type: none"> 1. Explore properties of parabolas. 2. Find maximum and minimum values of quadratic functions. 3. Graph quadratic functions using x-intercepts. 4. Solve real-life problems. 	<ol style="list-style-type: none"> 1. Complete 2/16 Algebra 1 Keystone Problem of the Week OE and Go over homework assignment. 2. Complete 2.2 Exit Ticket. 	<ol style="list-style-type: none"> 1. Homework 2. Class Participation 3. Exit Ticket 	Individual students will be provided accommodations if mandated in their IEPs	CC.2.2.HS.D.7

Pre-Algebra (Periods 5 and 6)

DAY	OBJECTIVES Students will be able to:	ACTIVITIES	ASSESSMENT	ACCOMMODATIONS	PA COMMON CORE STANDARDS
Monday	1. Use equivalent ratios to determine whether two ratios form a proportion. 2. Use the Cross Products Property to determine	1. Go over Thursday and Friday's assignments. 2. Introduce Lesson 5.3.	1. Homework 2. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.D.1

	<p>whether two ratios form a proportion.</p> <p>3. Write proportions.</p> <p>4. Solve proportions using mental math.</p>				
Tuesday	<p>1. Write proportions.</p> <p>2. Solve proportions using mental math.</p>	<p>1. Model and practice writing proportions.</p> <p>3. Model and practice solving proportions using mental math.</p> <p>4. Assign Big Ideas Pg. 182 4-22 even</p>	<p>1. Homework</p> <p>2. Class Participation</p>	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.D.1
Wednesday	<p>1. Use equivalent ratios to determine whether two ratios form a proportion.</p> <p>2. Use the Cross Products Property to determine whether two ratios form a proportion.</p> <p>3. Write proportions.</p> <p>4. Solve proportions using mental math.</p>	<p>1. Finish 5.3 and 5.4 Notes.</p> <p>2. Assign Student Journal Pg. 92 and 98.</p>	<p>1. Homework</p> <p>2. Class Participation</p>	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.D.1
Thursday	<p>1. Use equivalent ratios to determine</p>	<p>1. Go over homework assignment.</p> <p>2. Complete 5.3 and 5.4 Exit Ticket.</p>	<p>1. Homework</p> <p>2. Class Participation</p> <p>3. Exit Ticket</p>	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.D.1

	<p>whether two ratios form a proportion.</p> <p>2. Use the Cross Products Property to determine whether two ratios form a proportion.</p> <p>3. Write proportions.</p> <p>4. Solve proportions using mental math.</p>	<p>3. Complete 5.1 through 5.4 Kahoot to review for the quiz tomorrow.</p>			
Friday	.	1. Take 5.1 through 5.4 Quiz.	1. Quiz	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.D.1

Math Strategies (Period 8)

DAY	OBJECTIVES Students will be able to:	ACTIVITIES	ASSESSMENT	ACCOMMODATIONS	PA COMMON CORE STANDARDS
Monday	1.Solve one- and two- step equations.	1.Go over Thursday and Friday's assignments.	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.3.7.A.1
Tuesday	1.Identify and use properties of supplementary, complementary, and adjacent angles in multi-step problems to write and solve simple equation for an unknown angle in a figure.	1.Complete complementary and supplementary angles exploration activities.	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.3.7.A.1
Wednesday	1.Identify and use properties of supplementary, complementary, and adjacent angles in multi-step problems to write and solve simple equation for an unknown angle in a figure.	1.Complete complementary, supplementary, vertical, and adjacent angles worksheet.	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.3.7.A.1
Thursday	1.Identify and use properties of supplementary,	1.Continue practicing angles.	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.3.7.A.1

	complementary, and adjacent angles in multi-step problems to write and solve simple equation for an unknown angle in a figure.				
Friday	1. Identify and use properties of supplementary, complementary, and adjacent angles in multi-step problems to write and solve simple equation for an unknown angle in a figure.	1. Continue practicing angles.	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.3.7.A.1