

## LESSON PLANS

Apr. 8-12, 2024

### Algebra 1A (Period 1)

<b>DAY</b>	<b>OBJECTIVES Students will be able to:</b>	<b>ACTIVITIES</b>	<b>ASSESSMENT</b>	<b>ACCOMMODATIONS</b>	<b>PA COMMON CORE STANDARDS</b>
Monday 4/8/24	1. Solve problems involving right triangles by applying the Pythagorean Theorem.	1. Warm-up 2. Finish 3D Objects Worksheet 3. Lesson 3-4 Quiz	1. Class Participation 2. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Tuesday 4/9/24	1. Solve problems involving right triangles by applying the Pythagorean Theorem.	1. Warm-up 2. Pythagorean Theorem Study Guide	1. Class Participation 2. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Wednesday 4/10/24	1. Solve problems involving right triangles by applying the Pythagorean Theorem.	1. Pythagorean Theorem Unit Test	1. Class Participation 2. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Thursday 4/11/24	1. Find slope.	1. Warm-up 2. Slope Review	1. Class participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1

Friday 4/12/24	1. Write equations in slope-intercept form	1. Warm-up 2. Ch. 4.1 Notes - write equations in slope-intercept form	1. Class Participation 2. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
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### Intro to Algebra (Period 2)

<b>DAY</b>	<b>OBJECTIVES Students will be able to:</b>	<b>ACTIVITIES</b>	<b>ASSESSMENT</b>	<b>ACCOMMODATIONS</b>	<b>PA COMMON CORE STANDARDS</b>
Monday 4/8/24	1. Write and graph inequalities. 2. Use substitution to check whether a number is a solution to an inequality.	1. Warm-up 2. Ch. 4.2 Notes - solve inequalities using addition and subtraction	1. Class participation 2. Independent Practice 3. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Tuesday 4/9/24	1. Write and graph inequalities. 2. Use substitution to check whether a number is a solution to an inequality.	1. Warm-up 2. Ch. 4.2 Notes - application problems	1. Class Participation 2. Independent Practice	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Wednesday 4/10/24	1. Write and graph inequalities. 2. Use substitution to check whether a number is a solution to an inequality.	1. Warm-up 2. 4.2 Exit Ticket 3. Workbook p.74	1. Class Participation 2. Exit Ticket	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Thursday 4/11/24	1. Write and graph inequalities.	1. Warm-up 2. Ch. 4.1-4.2 Quiz Review	1. Class participation	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1

	2. Use substitution to check whether a number is a solution to an inequality.				
Friday 4/12/24	1. Write and graph inequalities. 2. Use substitution to check whether a number is a solution to an inequality.	1. Ch. 4.1-4.2 Quiz	1. Class Participation 2. Independent Practice	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1

### Algebra 1B (Period 3)

<b>DAY</b>	<b>OBJECTIVES Students will be able to:</b>	<b>ACTIVITIES</b>	<b>ASSESSMENT</b>	<b>ACCOMMODATIONS</b>	<b>PA COMMON CORE STANDARDS</b>
Monday 4/8/24	1. Determine the number of solutions to systems of linear equations. 2. Use linear systems to solve real-life problems.	1. Warm-up 2. Ch. 5.6 Notes - graph linear inequalities 3. Homework: Textbook p.271 #20-32 evens	1. Class Participation 2. Independent Practice 3. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Tuesday 4/9/24	1. Determine the number of solutions to systems of linear equations.	1. Warm-up 2. Ch. 5.6 Notes - graph linear inequalities	1. Class Participation 2. Independent Practice 3. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1

	2.Use linear systems to solve real-life problems.				
Wednesday 4/10/24	1. Determine the number of solutions to systems of linear equations. 2.Use linear systems to solve real-life problems.	1.Warm-up 2.Ch. 5.6 Notes - writing an inequality from a graph 3. Student Journal p.160	1.Class Participation 2. Independent Practice 3. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Thursday 4/11/24	1.Check solutions of linear inequalities. 2.Graph linear inequalities in two variables. 3.Use linear inequalities to solve real-life problems.	1.Warm-up 2.Ch. 5.6 Notes - application problems	1.Class Participation 2. Independent Practice	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1
Friday 4/12/24	1. Check solutions of linear inequalities. 2.Graph linear inequalities in two variables. 3.Use linear inequalities to solve real-life problems.	1.Warm-up 2. 5.6 Exit Ticket 3.Student Journal p.161	1.Class Participation 2. Independent Practice 3. Homework	Individual students will be provided accommodations if mandated in their IEPs	CC.2.1.7.E.1

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### Algebra II (Period 4)

<b>DAY</b>	<b>OBJECTIVES Students will be able to:</b>	<b>ACTIVITIES</b>	<b>ASSESSMENT</b>	<b>ACCOMMODATIONS</b>	<b>PA COMMON CORE STANDARDS</b>
Monday 4/ 8/24	1. Factor polynomial expressions.	1. Factoring Quiz	1. Class Participation 2. Independent Practice	Individual students will be provided accommodations if mandated in their IEPs	HSA-CED.A.2, HSF-BF.A.1a, HSF-LE.A.1b, HSF-LE.A.2
Tuesday 4/9/24	1. Explore properties of parabolas. 2. Find max/min values of quadratic functions 3. Graph quadratic functions using x-intercepts	1. Ch. 2.2 Notes - characteristics of quadratics - vertex form	1. Class Participation 2. Independent Practice	Individual students will be provided accommodations if mandated in their IEPs	HSA-CED.A.2, HSF-BF.A.1a, HSF-LE.A.1b, HSF-LE.A.2
Wednesday 4/10/24	1. Explore properties of parabolas. 2. Find max/min values of quadratic functions 3. Graph quadratic functions using x-intercepts	1. Textbook p.61 #4-12 evens	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	HSA-CED.A.2, HSF-BF.A.1a, HSF-LE.A.1b, HSF-LE.A.2

Thursday 4/11/24	1. Explore properties of parabolas. 2. Find max/min values of quadratic functions 3. Graph quadratic functions using x-intercepts	1. Ch. 2.2 Notes -standard form	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	HSA-CED.A.2, HSF-BF.A.1a, HSF-LE.A.1b, HSF-LE.A.2
Friday 4/12/24	1. Explore properties of parabolas. 2. Find max/min values of quadratic functions 3. Graph quadratic functions using x-intercepts	1. Textbook p.61 #22-30 evens	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	HSA-CED.A.2, HSF-BF.A.1a, HSF-LE.A.1b, HSF-LE.A.2

### Intro to Algebra (8) (Period 5)

DAY	OBJECTIVES Students will be able to:	ACTIVITIES	ASSESSMENT	ACCOMMODATIONS	PA COMMON CORE STANDARDS
Monday 4/8/24	1. Solve problems involving right triangles by applying the Pythagorean Theorem.	1. Warm-up 2. Pythagorean Theorem Study Guide		Individual students will be provided accommodations if mandated in their IEPs	No School

Tuesday 4/9/24	1. Solve problems involving right triangles by applying the Pythagorean Theorem.	1. Pythagorean Theorem Unit Test	1. Class Participation 2. Independent Practice	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1
Wednesday 4/10/24	1. Solve problems involving right triangles by applying the Pythagorean Theorem.	1. Warm-up 2. Slope Review	1. Class Participation 2. Homework	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1
Thursday 4/11/24	1. Solve problems involving right triangles by applying the Pythagorean Theorem.	1. Warm-up 2. Intro to Functions - relation vs. function	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1
Friday 4/12/24	1. Solve problems involving right triangles by applying the Pythagorean Theorem.	1. Warm-up 2. Intro to Functions - vertical line test	1. Class Participation 2. Exit Ticket	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1

## Math Strategies II (Period 6)

<b>DAY</b>	<b>OBJECTIVES Students will be able to:</b>	<b>ACTIVITIES</b>	<b>ASSESSMENT</b>	<b>ACCOMMODATIONS</b>	<b>PA COMMON CORE STANDARDS</b>
Monday 4/8/24	1. Apply volume formulas of cones, cylinders, and spheres.	1. Popcorn Activity 2. Volume of cylinder worksheet	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1
Tuesday 4/9/24	1. Apply volume formulas of cones, cylinders, and spheres.	1. Volume of a Sphere Notes	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1
Wednesday 4/10/24	1. Apply volume formulas of cones, cylinders, and spheres.	1. Volume of a Sphere Worksheet	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1
Thursday 4/11/24	1. Apply volume formulas of cones, cylinders, and spheres.	1. Mixed Volume Review	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1
Friday 4/12/24	1. Apply volume formulas of cones, cylinders, and spheres.	1. Volume Test	1. Class Participation	Individual students will be provided accommodations if mandated in their IEPs	M07.D-S.2.1

\*\*Lesson plans or assignments may be altered at any time. \*\*