

**LESSON PLANS**  
**January 22-26, 2023**

**Algebra 1A (Period 1)**

| <b>DAY</b>         | <b>OBJECTIVES<br/>Students will be able to:</b>   | <b>ACTIVITIES</b>   | <b>ASSESSMENT</b>                     | <b>ACCOMMODATIONS</b>   | <b>PA COMMON CORE STANDARDS</b> |
|--------------------|---|---|---------------------------------------|---|---------------------------------|
| Monday<br>1/22/23  | 1. Determine whether relations are functions.<br>2. Find the domain and range of a function.<br>3. Identify the independent and dependent variables of functions. | 1. Midterm Make-ups   | 1. Class Participation<br>2. Homework | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1                    |
| Tuesday<br>1/23/23 | 1. Determine whether relations are functions.<br>2. Find the domain and range of a function.<br>3. Identify the independent and dependent variables of functions. | 1. Warm-up<br>2. Ch. 3.1 Notes<br>- Domain and Range<br>3. Homework: Domain and Range Worksheet | 1. Class Participation<br>2. Homework | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1                    |

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| <p>Wednesday<br/>1/24/23</p> | <p>1. Determine whether relations are functions.<br/>2. Find the domain and range of a function.<br/>3. Identify the independent and dependent variables of functions.</p> | <p>1. Warm-up<br/>2. Ch. 3.1 Notes<br/>- Identify independent and dependent variables</p>                                     | <p>1. Class Participation<br/>2. Homework</p> | <p>Individual students will be provided accommodations if mandated in their IEPs</p> | <p>CC.2.1.7.E.1</p> |
| <p>Thursday<br/>1/25/23</p>  | <p>1. Determine whether relations are functions.<br/>2. Find the domain and range of a function.<br/>3. Identify the independent and dependent variables of functions.</p> | <p>1. Warm-up<br/>2. Ch. 3.1 Notes<br/>- independent and dependent variables<br/>3. Homework: Textbook p.108 #17, 109 #18</p> | <p>1. Class participation</p>                 | <p>Individual students will be provided accommodations if mandated in their IEPs</p> | <p>CC.2.1.7.E.1</p> |
| <p>Friday<br/>1/26/23</p>    | <p>1. Determine whether relations are functions.<br/>2. Find the domain and range of a function.<br/>3. Identify the independent and dependent variables of functions.</p> | <p>1. Warm-up<br/>2. 3.1 Exit Ticket<br/>3. Student Journal p.63</p>  | <p>1. Class Participation<br/>2. Homework</p> | <p>Individual students will be provided accommodations if mandated in their IEPs</p> | <p>CC.2.1.7.E.1</p> |

## Intro to Algebra (7) (Period 2)

| DAY                  | OBJECTIVES<br>Students will be able to:  | ACTIVITIES  | ASSESSMENT  | ACCOMMODATIONS  | PA<br>COMMON<br>CORE<br>STANDARDS |
|----------------------|--|---|---|---|-----------------------------------|
| Monday<br>1/22/23    | 1. Apply properties of operations to simplify algebraic expressions.<br>2. Solve real-life problems. | 1. Midterm Make-ups   | Class Participation<br>2. Independent Practice    | Individual students will be provided accommodations if mandated in their IEPs |                                   |
| Tuesday<br>1/23/23   | 1. Apply properties of operations to simplify algebraic expressions.<br>2. Solve real-life problems. | 1. Warm-up<br>2. Ch. 3.1 Notes<br>- identify terms and like terms                         | 1. Class Participation<br>2. Homework             | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1                      |
| Wednesday<br>1/24/23 | 1. Apply properties of operations to simplify algebraic expressions.<br>2. Solve real-life problems. | 1. Warm-up<br>2. Identify like terms worksheet<br>3. Ch. 3.1 Notes<br>- number properties | 1. Class Participation<br>2. Independent Practice | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1                      |
| Thursday<br>1/25/23  | 1. Apply properties of operations to simplify algebraic expressions.                                 | 1. Warm-up<br>2. Ch. 3.1 Notes<br>- simplify expressions                                  | 1. Class Participation<br>2. Exit Slip            | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1                      |

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|                   | 2.Solve real-life problems.   |  |                                      |   |              |
| Friday<br>1/26/23 | 1. Apply properties of operations to simplify algebraic expressions.<br>2.Solve real-life problems. | 1. Warm-up<br>2. Ch. 3.1 Notes<br>- simplify expressions<br>3. 3.1 Exit Ticket | 1.Class Participation<br>2. Homework | 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<br/>Students will be able to:</b>  | <b>ACTIVITIES</b>                                      | <b>ASSESSMENT</b>                     | <b>ACCOMMODATIONS</b>   | <b>PA<br/>COMMON<br/>CORE<br/>STANDARDS</b>                |
|--------------------|--|--|---------------------------------------|---|--|
| Monday<br>1/22/23  | 1. Check solutions of systems of linear equations.<br>2. Solve systems of linear equations by graphing.<br>3. Use systems of linear equations to solve real life problems. | 1.Midterm Make-ups                                     | 1. Class Participation<br>2. Homework | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2,<br>HSF-BF.A.1a,<br>HSF-LE.A.1b,<br>HSF-LE.A.2 |
| Tuesday<br>1/23/23 | 1. Check solutions of systems of linear equations.   | 1. Warm-up<br>2. Ch. 5.1 Notes<br>- Checking solutions | 1. Class Participation<br>2. Homework | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2,<br>HSF-BF.A.1a,<br>HSF-LE.A.1b,<br>HSF-LE.A.2 |

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|                              | <p>2. Solve systems of linear equations by graphing.</p> <p>3. Use systems of linear equations to solve real life problems.</p>   |  |  |  |  |
| <p>Wednesday<br/>1/24/23</p> | <p>1. Check solutions of systems of linear equations.</p> <p>2. Solve systems of linear equations by graphing.</p> <p>3. Use systems of linear equations to solve real life problems.</p> | <p>1. Warm-up</p> <p>2. Ch. 5.1 Notes<br/>- Identify solutions from a graph</p> <p>3. Homework: Textbook p.239 #3-12</p> | <p>1. Class Participation</p> <p>2. Exit Ticket</p> <p>3. Independent Practice</p> | <p>Individual students will be provided accommodations if mandated in their IEPs</p> | <p>HSA-CED.A.2,<br/>HSF-BF.A.1a,<br/>HSF-LE.A.1b,<br/>HSF-LE.A.2</p> |
| <p>Thursday<br/>1/25/23</p>  | <p>1. Check solutions of systems of linear equations.</p> <p>2. Solve systems of linear equations by graphing.</p> <p>3. Use systems of linear equations to solve real life problems.</p> | <p>1. Warm-up</p> <p>2. Ch. 5.1 Notes<br/>- solve systems of equations by graphing</p>                                   | <p>1. Class Participation</p> <p>2. Independent Practice</p>                       | <p>Individual students will be provided accommodations if mandated in their IEPs</p> | <p>HSA-CED.A.2,<br/>HSF-BF.A.1a,<br/>HSF-LE.A.1b,<br/>HSF-LE.A.2</p> |
| <p>Friday<br/>1/26/23</p>    | <p>1. Check solutions of systems of linear equations.</p>   | <p>1. Warm-up</p> <p>2. Ch. 5.1 Notes</p>  | <p>1. Class Participation</p>  | <p>Individual students will be provided accommodations if mandated in their IEPs</p> | <p>HSA-CED.A.2,<br/>HSF-BF.A.1a,</p>                                 |

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|  | 2. Solve systems of linear equations by graphing.<br>3. Use systems of linear equations to solve real life problems. | - solve systems of equations by graphing |  |  | HSF-LE.A.1b,<br>HSF-LE.A.2 |
|--|--|--|--|--|----------------------------|

### Algebra II (Period 4)

| <b>DAY</b>         | <b>OBJECTIVES<br/>Students will be able to:</b>  | <b>ACTIVITIES</b>  | <b>ASSESSMENT</b>                                       | <b>ACCOMMODATIONS</b>   | <b>PA COMMON CORE STANDARDS</b> |
|--------------------|--|--|---|---|---------------------------------|
| Monday<br>1/22/23  | 1. Check solutions of systems of linear equations.<br>2. Solve systems of linear equations using tables and graphs<br>3. Classify solutions. | 1. Midterm Make-ups  | 1. Class Participation                                  | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2                     |
| Tuesday<br>1/23/23 | 1. Check solutions of systems of linear equations.<br>2. Solve systems of linear equations   | 1. Lesson 3.1 Notes<br>- solve systems using graphs and tables | 1. Class Participation<br>2. Exit Ticket<br>3. Pre-Test | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2                     |

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|----------------------|--|---|--|---|-------------|
|                      | using tables and graphs<br>3. Classify solutions.  |   |  |   |             |
| Wednesday<br>1/24/23 | 1. Check solutions of systems of linear equations.<br>2. Solve systems of linear equations using tables and graphs<br>3. Classify solutions. | 1. Lesson 3.1 Notes<br>- solve systems using graphs and tables              | 1. Class Participation                   | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2 |
| Thursday<br>1/25/23  | 1. Check solutions of systems of linear equations.<br>2. Solve systems of linear equations using tables and graphs<br>3. Classify solutions. | 1. Lesson 3.1 Notes<br>- systems with consistent and inconsistent solutions | 1. Class Participation                   | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2 |
| Friday<br>1/26/23    | 1. Check solutions of systems of linear equations.<br>2. Solve systems of linear equations using tables and graphs<br>3. Classify solutions. | 1. Lesson 3.1 Notes<br>- application problems                               | 1. Class Participation<br>2. Exit Ticket | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2 |

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

| <b>DAY</b>           | <b>OBJECTIVES<br/>Students will be able to:</b>  | <b>ACTIVITIES</b>   | <b>ASSESSMENT</b>                                 | <b>ACCOMMODATIONS</b>   | <b>PA COMMON CORE STANDARDS</b> |
|----------------------|--|---|---|---|---------------------------------|
| Monday<br>1/22/23    | 1. Use graphs to determine whether two ratios form a proportion.<br>2. Interpret graphs of proportional relationships. | 1. Midterm Make-ups   |   | Individual students will be provided accommodations if mandated in their IEPs | No School                       |
| Tuesday<br>1/23/23   | 1. Use graphs to determine whether two ratios form a proportion.<br>2. Interpret graphs of proportional relationships. | 1. Warm-up<br>2. Lesson 4.1 Notes<br>- graph proportional relationships               | 1. Class Participation<br>2. Independent Practice | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1                     |
| Wednesday<br>1/24/23 | 1. Use graphs to determine whether two ratios form a proportion.<br>2. Interpret graphs of proportional relationships. | 1. Warm-up<br>2. Lesson 4.1 Notes<br>- interpret graphs of proportional relationships | 1. Class Participation<br>2. Homework             | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1                     |



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|---------------------|--|---|--|---|-------------|
| Thursday<br>1/25/23 | 1. Use graphs to determine whether two ratios form a proportion.<br>2. Interpret graphs of proportional relationships. | 1. Warm-up<br>2. 4.1 Practice Worksheet<br>3. 4.1 Exit Ticket | 1. Class Participation                   | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1 |
| Friday<br>1/26/23   | 1. Find the slopes of lines.<br>2. Interpret the slopes of lines as rates.   | 1. Warm-up<br>2. Lesson 4.2 Notes<br>- Slope                  | 1. Class Participation<br>2. Exit Ticket | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1 |

### Math Strategies II (Period 6)

| DAY               | OBJECTIVES<br>Students will be able to:    | ACTIVITIES              | ASSESSMENT                        | ACCOMMODATIONS | PA COMMON CORE STANDARDS |
|-------------------|--|-------------------------|-----------------------------------|----------------|--------------------------|
| Monday<br>1/22/23 | 1. Volume of cones, spheres, and cylinders | 1. Transformations Quiz | 1. Class Participation<br>2. Quiz |                | M07.D-S.2.1              |

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|----------------------|---|--|---|---|-------------|
| Tuesday<br>1/23/23   | 1. Volume of cones, spheres, and cylinders  | 1. Google Classroom<br>2. Folders/Materials<br>3. Class Expectations<br>4. Study Island Pre-Test | 1. Class Participation<br>2. Exit Ticket<br>3. Pre-Test | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1 |
| Wednesday<br>1/24/23 | 1. Volume of cones, spheres, and cylinder.  | 1. Study Island Pre-Test   | 1. Class Participation                                  | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1 |
| Thursday<br>1/25/23  | 1. Volume of cones, spheres, and cylinders. | 1. Volume of a Cone Notes  | 1. Class Participation                                  | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1 |
| Friday<br>1/26/23    | 1. Volume of cones, spheres, and cylinders. | 1. Volume of a Cone Notes  | 1. Class Participation<br>2. Exit Ticket                | 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. \*\*