

## LESSON PLANS

Mar. 11-15, 2024

### 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<br/>COMMON<br/>CORE<br/>STANDARDS</b> |
|--------------------|---|--|---------------------------------------|---|---|
| Monday<br>3/11/24  | 1. Graph equations of horizontal and vertical lines.<br>2. Graph linear equations in standard form using intercepts.<br>3. Use linear equations in standard form to solve real-life problems. | 1. Warm-up<br>2. Student Journal p.83 #1-8<br>3. 3.5 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                                |
| Tuesday<br>3/12/24 | 1. Graph equations of horizontal and vertical lines.<br>2. Graph linear equations in standard form using intercepts.<br>3. Use linear equations in standard form to                           | 1. Warm-up<br>2. Ch. 3.4-3.5 Quiz Review                         | 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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|----------------------|---|--|---|---|--------------|
|                      | solve real-life problems.   |  |   |   |              |
| Wednesday<br>3/13/24 | <ol style="list-style-type: none"> <li>1. Graph equations of horizontal and vertical lines.</li> <li>2. Graph linear equations in standard form using intercepts.</li> <li>3. Use linear equations in standard form to solve real-life problems.</li> </ol> | 1.Ch.3.4-3.5 Quiz  | <ol style="list-style-type: none"> <li>1. Class Participation</li> <li>2. Homework</li> </ol> | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1 |
| Thursday<br>3/14/24  | <ol style="list-style-type: none"> <li>1. Graph equations of horizontal and vertical lines.</li> <li>2. Graph linear equations in standard form using intercepts.</li> <li>3. Use linear equations in standard form to solve real-life problems.</li> </ol> | <ol style="list-style-type: none"> <li>1. Warm-up</li> <li>2. Pythagorean Theorem Notes</li> </ol> | 1.Class participation   | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1 |
| Friday<br>3/15/24    | <ol style="list-style-type: none"> <li>1. Graph equations of horizontal and vertical lines.</li> <li>2. Graph linear equations in standard form using intercepts.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Warm-up</li> <li>2. Pythagorean Theorem Notes</li> </ol> | <ol style="list-style-type: none"> <li>1. Class Participation</li> <li>2. Homework</li> </ol> | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1 |

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|  | 3. Use linear equations in standard form to solve real-life problems. |  |  |  |  |
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### Intro to Algebra (7) (Period 2)

| <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>3/11/24    | 1. Write simple equations.<br>2. Solve equations using addition or subtraction.<br>3. Solve real-life problems. | 1. Warm-up<br>2. Ch. 3.5 Notes<br>- solve two-step equations | Class Participation<br>2. Independent Practice    | Individual students will be provided accommodations if mandated in their IEPs |   |
| Tuesday<br>3/12/24   | 1. Write simple equations.<br>2. Solve equations using addition or subtraction.<br>3. Solve real-life problems. | 1. Warm-up<br>2. Ch. 3.5 Notes<br>- solve two-step equations | 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>3/13/24 | 1. Write simple equations.  | 1. Warm-up<br>2. Solve two-steps equations practice          | 1. Class Participation<br>2. Independent Practice | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1                                |

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|                     | 2. Solve equations using addition or subtraction.<br>3. Solve real-life problems.                               |   |  |   |              |
| Thursday<br>3/14/24 | 1. Write simple equations.<br>2. Solve equations using addition or subtraction.<br>3. Solve real-life problems. | 1. Warm-up<br>2. Ch. 3.5 Notes<br>- combine like terms to solve equations<br>- application problems | 1. Class Participation<br>2. Exit Slip | Individual students will be provided accommodations if mandated in their IEPs | CC.2.1.7.E.1 |
| Friday<br>3/15/24   | 1. Write simple equations.<br>2. Solve equations using addition or subtraction.<br>3. Solve real-life problems. | 1. Warm-up<br>2. 3.5 Exit Ticket<br>3. Workbook p.64  | 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)

| DAY               | OBJECTIVES<br>Students will be able to:            | ACTIVITIES   | ASSESSMENT                            | ACCOMMODATIONS  | PA<br>COMMON<br>CORE<br>STANDARDS                          |
|-------------------|--|--|---------------------------------------|---|--|
| Monday<br>3/11/24 | 1. Check solutions of systems of linear equations. | 1. Warm-up<br>2. Partner Activity – solve systems of equations | 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>using elimination (+ and - )</p>   |  |  |  |
| <p>Tuesday<br/>3/12/24</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. Partner Activity – solve systems of equations using elimination (+ and - )</p>    | <p>1. Class Participation</p> <p>2. Homework</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>Wednesday<br/>3/13/24</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. 5.3 Notes - solve systems of equations using elimination (multiplication)</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/>3/14/24</p>  | <p>1. Solve systems of linear equations by substitution.</p>  | <p>1. Warm-up</p> <p>2. Ch. 5.3 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,<br/>HSF-LE.A.1b,<br/>HSF-LE.A.2</p> |

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|                   | 2. Use systems of linear equations to solve real-life problems.   | - solve systems of equations using elimination (multiplication) | 2.Independent Practice |   |  |
| Friday<br>3/15/24 | 1.Solve systems of linear equations by substitution.<br>2. Use systems of linear equations to solve real-life problems. | 1. Warm-up<br>2. Ch. 5.3 Notes<br>- application problems        | 1. Class Participation | 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 |

### 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<br/>COMMON<br/>CORE<br/>STANDARDS</b> |
|-------------------|--|----------------------------|------------------------|---|---|
| Monday<br>3/11/24 | 1. Estimate square roots.<br>2.Simplify, add, subtract, multiply, and divide square roots. | 1.Factoring Notes<br>- GCF | 1. Class Participation | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2                                 |

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|----------------------|--|---|---|---|-------------|
| Tuesday<br>3/12/24   | 1.Estimate square roots.<br>2.Simplify, add, subtract, multiply, and divide square roots.  | 1. Factoring Notes<br>- GCF                               | 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 |
| Wednesday<br>3/13/24 | 1. Estimate square roots.<br>2.Simplify, add, subtract, multiply, and divide square roots. | 1. Factoring Notes<br>- Difference of Two Squares         | 1. Class Participation                                  | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2 |
| Thursday<br>3/14/24  | 1. Estimate square roots.<br>2.Simplify, add, subtract, multiply, and divide square roots. | 1. Factoring Notes<br>- Difference of Two Squares         | 1. Class Participation                                  | Individual students will be provided accommodations if mandated in their IEPs | HSA-CED.A.2 |
| Friday<br>3/15/24    | 1. Estimate square roots.<br>2.Simplify, add, subtract, multiply, and divide square roots. | 1.Factoring Notes<br>- GCF<br>- Difference of Two Squares | 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<br/>COMMON<br/>CORE<br/>STANDARDS</b> |
|----------------------|---|---|---|---|---|
| Monday<br>3/11/24    | 1. Find slope from a graph using rise/run and slope formula.<br>2. Find slope given two points. | 1. Warm-up<br>2. Converse of Pythagorean Theorem                    |   | Individual students will be provided accommodations if mandated in their IEPs | No School                                   |
| Tuesday<br>3/12/24   | 1. Find slope from a graph using rise/run and slope formula.<br>2. Find slope given two points. | 1. Warm-up<br>2. Converse of Pythagorean Theorem<br>Practice & Maze | 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>3/13/24 | 1. Find slope from a graph using rise/run and slope formula.<br>2. Find slope given two points. | 1. Warm-up<br>2. Lesson 1-2 Quiz                                    | 1. Class Participation<br>2. Homework             | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1                                 |
| Thursday<br>3/14/24  | 1. Find slope from a graph using rise/run and slope formula.                                    | 1. Warm-up<br>2. Find distance between two points                   | 1. Class Participation                            | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1                                 |



|                   |  |  |   |   |             |
|-------------------|--|--|---|---|-------------|
|                   | 2.Find slope given two points.   |  |   |   |             |
| Friday<br>3/15/24 | 1. Find slope from a graph using rise/run and slope formula.<br>2.Find slope given two points. | 1.Warm-up<br>2. Find distance between two points | 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)

| <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>3/11/24  | 1.Transformations of geometric shapes (translations, reflections, rotations, and dilations) | 1. Dilations Notes | 1.Class Participation<br>2.Quiz                         | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1                                 |
| Tuesday<br>3/12/24 | 1. Transformations of geometric shapes (translations, reflections,                          | 1. Dilations Notes | 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                                 |

|                      |   |                             |   |   |             |
|----------------------|---|-----------------------------|---|---|-------------|
|                      | rotations, and dilations)   |                             |   |   |             |
| Wednesday<br>3/13/24 | 1.Transformations of geometric shapes (translations, reflections, rotations, and dilations) | 1.Dilations Practice        | 1. Class Participation                  | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1 |
| Thursday<br>3/14/24  | 1.Transformations of geometric shapes (translations, reflections, rotations, and dilations) | 1.Similarity and Congruence | 1. Class Participation                  | Individual students will be provided accommodations if mandated in their IEPs | M07.D-S.2.1 |
| Friday<br>3/15/24    | 1.Transformations of geometric shapes (translations, reflections, rotations, and dilations) | 1.Similarity and Congruence | 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. \*\*