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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 1 | Wednesday, 8/7 | Opening day |  | Rules, Books, Introductions |  |
| Thursday, 8/8 | 1.2: Solve Systems by Graphing | Students will be able to graph linear functions | Warm up: Opening questions from 1.1  Lesson: Notes on Graphing (graphing y=mx+b and ax +by =c)  Extension: Examples  Homework: #1-19 odd pg 8 | MM3A5c |
| Friday, 8/9 | 1.2: Solve Systems by Graphing | Students will be able to graph linear functions | Warm up: Opening questions from 1.1  Review: Go over homework  Lesson: Notes on doing word problems  Extension: Examples  Homework: #21-32 odd pg 9 | MM3A5c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 2 | Monday, 8/12 | 1.3-Solving Systems Algebraically | Students will learn how to solve linear systems using algebra | Warm up: Opening problems (solving linear equations)  Lesson: Notes on Substitution  Extension: Examples  Homework: #1-6 pg 15 | MM3A5c |
| Tuesday, 8/13 | 1.3-Solving Systems Algebraically | Students will learn how to solve linear systems using algebra | Warm up: Opening problems (solving linear equations)  Lesson: Go over homework  Extension: Examples (more complex substitution probs with fract)  Homework: #1-6 pg 16 | MM3A5c |
| Wednesday, 8/14 | 1.3-Solving Systems Algebraically | Students will learn how to solve linear systems using algebra | Warm up: Opening problems (solving more difficult equations)  Lesson: Notes on Elimination  Extension: Examples  Homework: #7-12 pg 15 | MM3A5c |
| Thursday, 8/15 | 1.3-Solving Systems Algebraically | Students will learn how to solve linear systems using algebra | Warm up: Opening problems (solving more difficult equations)  Lesson: Go over homework  Extension: Examples of more complex problems  Homework: #7-12 pg 16 | MM3A5c |
| Friday, 8/16 | 1.3-Solving Systems Algebraically |  | Quiz 1.3  Homework: Give out review | MM3A5c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 3 | Monday, 8/19 | Review Solving Systems |  | Warm up: MC questions  Lesson: Work in groups on review  Extension: Go over review problems  Homework: Review for the test. |  |
| Tuesday, 8/20 | 1.2-1.3 Solving Systems |  | Test 1.2-1.3 | MM3A5c |
| Wednesday, 8/21 | 1.4-Graph Linear Inequalities in Two Variables | The students will be able to graph linear inequalities in two variables. | Warm up: Opening questions (solving an inequality)  Lesson: Notes on graphing inequalities  Extension: Examples  Homework: 1-23 odd pg 19 | MM3A6c |
| Thursday, 8/22 | 1.4-Graph Linear Inequalities in Two Variables | The students will be able to graph linear inequalities in two variables. | Warm up: Opening questions (graphing an inequality)  Lesson: Notes on graphing inequalities (absolute value)  Extension: Examples  Homework: 5-21 odd pg 21 | MM3A6c |
| Friday, 8/23 | 1.4-Graph Linear Inequalities in Two Variables | The students will be able to graph linear inequalities in two variables. | Warm up: Opening questions (graphing absolute value)  Lesson: Review Inequalities, absolute value, and graphing  Extension: Examples  Homework: Finish review sheet | MM3A6c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 4 | Monday, 8/26 | 1.5-Graph Systems of Linear Inequalities | The students will be able to graph systems of linear inequalities | | Warm up: Opening Problems (Solving an inequality)  Lesson: Notes on graphing systems of inequalities  Extension: Examples  Homework: #6, 9, 12, 18 pg. 25 | MM3A6a |
| Tuesday, 8/27 | 1.5-Graph Systems of Linear Inequalities | The students will be able to graph systems of linear inequalities | | Warm up: Opening Problems (Solving an inequality)  Lesson: Go over homework  Extension: Examples (more complex)  Homework: #8, 14, 15, 20, 21, 24 pg 27-28 | MM3A6a |
| Wednesday, 8/28 | 1.5-Graph Systems of Linear Inequalities | The students will be able to graph systems of linear inequalities | | Warm up: Opening Problems (Solving a word problem)  Review: Go over homework  Lesson: Notes (more word problems, work on set up)  Extension: Problem Solving Workshop pg. 29  Homework: #2 pg 29 | MM3A6a |
| Thursday, 8/29 | 1.4-1.5 Quiz | The students will be able to graph systems of linear inequalities | | Quiz 1.4-1.5 | MM3A6a |
| Friday, 8/30  Professional  Learning  Early Release | **Review Inequalities** | | **Review all inequalities** | **Warm up: MC questions**  **Lesson: Review**  **Extension: Go over review**  **Homework: Complete reviews** | MM3A6a  MM3A6c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 5 | Monday, 9/2 | **LABOR DAY HOLIDAY** | | | |
| Tuesday, 9/3 | 1.6-Linear Programming | The student will be able to solve linear programming problems. | Warm up: Opening problems (word problem)  Lesson: Notes on Linear Programming  Extension: Examples  Homework: #1-6 pg 32 | MM3A6b |
| Wednesday, 9/4 | 1.6-Linear Programming | The student will be able to solve linear programming problems. | Warm up: Opening problems (word problem)  Lesson: Go over homework.  Extension: Examples  Homework: #10-11 pg 32, #8, pg 33 | MM3A6b |
| Thursday, 9/5 | 1.7-Solve Systems of Linear Equations in Three Variables | The student will be able to solve systems of equations in three variables | Warm up: Opening problems (Solve system of two)  Lesson: Notes on Solving Systems of 3 variables  Extension: Examples  Homework: # 1-13 odd, pg 36 | MM3A5c |
| Friday, 9/6 | 1.7-Solve Systems of Linear Equations in Three Variables | The student will be able to solve systems of equations in three variables | Warm up: Opening problems (Solve system of two)  Lesson: Notes on Solving Systems of 3 variables  Extension: Examples  Homework: # 1-13 odd, pg 36 | MM3A5c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 6 | Monday, 9/9 | 1.7-Solve Systems of Linear Equations in Three Variables | The student will be able to solve systems of equations in three variables | Warm up: Opening problems (Solve system of two substitution)  Review: Go over homework  Extension: Examples  Homework: #7-18, pg 37 | MM3A5c |
| Tuesday, 9/10 | 1.4-1.5 Review |  | Warm up: Opening Problems (Pract MC)  Lesson: Work on Review  Review: Go over review questions |  |
| Wednesday, 9/11  Performance Essay  ENGLISH &  FINE ARTS | 1.6-1.7 Review |  | Warm up: Opening Problems (Pract MC)  Lesson: Work on Review  Extension: Go over review questions |  |
| Thursday, 9/12 | 1.4-1.7 Solving Systems of inequalities and linear prog |  | Test 1.4-1.7 | MM3A5c MM3A6a  MM3A6b  MM3A6c |
| Friday, 9/13 | 1.8-Matrix Operations | The students will be able to perform operations with matrices. | Warm up: Opening Problems (Solve system 2 var)  Lesson: Notes on Matrix operations  Extension: Examples  Homework: #1-9, pg 41 | MM3A4a  MM3A4c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 7  Benchmark  #1 | Monday, 9/16  ELECTIVES | 1.2-1.3 Review |  | Warm up: MC practice  Lesson: Work in groups on Review  Extension: Answer questions on review  Homework: Review 2 |  |
| Tuesday, 9/17  ENGLISH | 1.4-1.7 Review |  | Warm up: MC practice  Lesson: Work in groups on Review  Extension: Answer questions on review  Homework: Study for test |  |
| Wednesday, 9/18  MATH | BM #1 |  | Test Ch 1.2-1.7 | MM3A5c MM3A6a  MM3A6b  MM3A6c |
| Thursday, 9/19  SCIENCE | 1.8-Matrix Operations | The students will be able to perform operations with matrices. | Warm up: Opening Problems (basic matrix rules)  Lesson: Notes on writing equations using matrices  Extension: Examples  Homework:,#1-14, pg 42 | MM3A4a  MM3A4c |
| Friday, 9/20  SOCIAL STUDIES | 1.9 Multiplying Matrices | The student will be able to multiply matrices. | Warm up: Opening Problems (distribution, factoring problems)  Lesson: Notes on Multiplying Matrices  Extension: Examples  Homework: #1-15 odd, pg 46 | MM3A4a  MM3A4c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 8 | Monday, 9/23 | 1.9 Multiplying Matrices | The student will be able to multiply matrices. | | Warm up: Opening Problems (distribution, factoring problems)  Lesson: Go over homework  Extension: Examples (more complex)  Homework: #2-14 even, pg 47 | MM3A4a  MM3A4c |
| Tuesday, 9/24 | 1.9 Multiplying Matrices | The student will be able to multiply matrices. | | Warm up: Opening Problems (distribution, factoring problems)  Lesson: Go over homework  Extension: Examples (more complex)  Homework: #2-14 even, pg 47 | MM3A4a  MM3A4c |
| Wednesday, 9/25  Graduation  Writing Test | Free Response Practice | Students will explore techniques to solve free response questions | | Warm up: Practice MC questions  Lesson: Free response 1  Extension: Discussion of solutions  Lesson pt 2: Free Response 2  Extension pt 2: Discussion of solutions  Closing/Summary: review for quiz  Homework: Study for Quiz |  |
| Thursday, 9/26 | 1.8-1.9 | Operations with Matrices | | Quiz 1.8-1.9 | MM3A4a  MM3A4c |
| Friday, 9/27  Homecoming  Early Release | 1.10 –Cramer’s Rule, Determinants | | The student will be able to evaluate apply Cramer’s Rule to solve systems of equations | Warm up: Free Resp question  Lesson: Notes on Determinants  Extension: Examples  Homework: #1-6, pg 51 | MM3A5c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 9 | Monday, 9/30 | 1.10 –Cramer’s Rule, Determinants | The student will be able to evaluate apply Cramer’s Rule to solve systems of equations | Warm up: Opening question (Determinants)  Lesson: Notes on finding area  Extension: Examples  Homework: #7-9, pg 51 | MM3A5c |
| Tuesday, 10/1 | 1.10 –Cramer’s Rule, Determinants | The student will be able to evaluate apply Cramer’s Rule to solve systems of equations | Warm up: Opening question (Finding Area)  Review: Go over homework  Lesson: Notes on Cramer’s rule  Extension: Examples  Homework: #10-14 even, pg 51 | MM3A5c |
| Wednesday, 10/2 | 1.10 –Cramer’s Rule, Determinants | The student will be able to evaluate apply Cramer’s Rule to solve systems of equations | Warm up: MC Practice questions  Review: Go over homework  Lesson: Finish examples on Cramer’s Rule  Review: Review for test  Homework: Work on review | MM3A5c |
| Thursday, 10/3 | 1.8-1.10 Review | Matrices, Determinants, and Cramer’s Rule | Warm up: MC Practice questions  Lesson: Work on review  Extension: Go over review  Homework: Study for Test | MM3A4a  MM3A4c  MM3A5c |
| Friday, 10/4 | 1.8-1.10 Test | Matrices, Determinants, and Cramer’s Rule | Test 1.8-1.10 | MM3A4a  MM3A4c  MM3A5c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 10 | Monday, 10/7 | 1.11-Inverse Matrices | The student will be able to determine the inverse of a matrix. | Warm up: Opening Problem (matrix operations)  Lesson: Notes on Inverses 2x2 (by hand) 3x3 (calculator)  Extension: Examples  Homework: #1-8 pg. 57 | MM3A4a  MM3A4b |
| Tuesday, 10/8 | 1.11-Inverse Matrices | The student will be able to determine the inverse of a matrix. | Warm up: Opening Problem (inverse matrix)  Review: Go over homework  Lesson: Notes on Solving Equations with Matrices  Extension: Examples  Homework: #9-16 pg. 57 | MM3A4a  MM3A4b |
| Wednesday, 10/9  Performance Essay  SOCIAL STUDIES &  CTAE | 1.11-Inverse Matrices | The student will be able to determine the inverse of a matrix. | Warm up: Opening Problem (matrix operations)  Lesson: Go over homework  Extension: Calculator Lab for matrices  Homework: #2-14 even, pg 58 | MM3A4a  MM3A4b |
| Thursday, 10/10 | 1.12-Vertex Edge Graphs | The student will be able to use vertex-edge graphs to represent real-life situation. | Warm up: Opening Problem (Matrix inverse)  Lesson: Notes on Vertex edge graphs  Extension: Examples  Homework: #1-62, pg 62 | MM3A7a  MM3A7b |
| Friday, 10/11 | Quiz 1.11-1.12 | Inverse matrices & Vertex edge | Warm up: Review (15 min)  Lesson: Quiz (short quiz) | MM3A4a  MM3A4b  MM3A7a  MM3A7b |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 11 | Monday, 10/14 | **FALL HOLIDAY!** | | | |
| Tuesday, 10/15 | **Professional Learning Day (Student Holiday)** | | | |
| Wednesday, 10/16  PSAT and  College Fair | **Review/Catch up days** | **Students will review Factoring** | **Warm up: MC Practice**  **Lesson: Review session**  **Extension: Examples** |  |
| Thursday, 10/17  Fall Festival  Early Release | **Review/Catch up days** | **Students will review more difficult factoring** | **Warm up: MC Practice**  **Lesson: Review session**  **Extension: Examples** |  |
| Friday, 10/18  Professional  Learning  Early Release | **Review/Catch up days** | **Students will review solving basic linear equations** | **Warm up: MC Practice**  **Lesson: Review session**  **Extension: Examples** |  |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 12 | Monday, 10/21 | 2.1-End Behavior of Polynomial Functions | The student will be able to determine the shape of a graph using its end behavior and zeros. | Warm up: Opening Question (factoring)  Lesson: Notes on Analyzing Polynomials  Extension: Examples  Homework: 2.1 Practice Worksheet | MM3A1b  MM3A1d |
| Tuesday, 10/22 | 2.1-Odd Even or Neither | The student will be able to tell algebraically and graphically whether a function is even, odd, or neither. | Warm up: Opening Question (analyze graph)  Lesson: Notes on Odd Even and neither  Extension: Finish analysis from homework  Homework: 2.1 Practice Worksheet B | MM3A1c |
| Wednesday, 10/23 | 2.1-Characteristics of Polynomial Functions | The student will be able to determine the domain and range, relative and absolute extrema, and intervals of increase and decrease of polynomial functions. | Warm up: Opening Question (analyze graph)  Lesson: Notes on D,R, Extrema, inc/dec  Extension: Full analysis of polynomials  Homework: Finish worksheets from before | MM3A1d |
| Thursday, 10/24 | 2.1-Review of Analysis of Polynomials | Student should be able to fully analyze each polynomial graph | Warm up: Opening question  Lesson: Analyze Graph  Lesson pt 2: Analyze Graph 2  Closing: Summarize techniques on analyzing graphs  Homework: Study for quiz | MM3A1b  MM3A1c  MM3A1d |
| Friday, 10/25 | 2.1 Analysis of Polynomials |  | Quiz 2.1 | MM3A1b  MM3A1c  MM3A1d |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 13  Benchmark  #2 | Monday, 10/28  ELECTIVES | 2.2-Translate graphs of Polynomial Functions | The student will be able to graph polynomial functions using the parent functions. | Warm up: Opening Problem  Lesson: Notes on Translating graphs  Extension: Examples  Homework: #1-20, pg 75 | MM3A1a  MM3A1c  MM3A1d |
| Tuesday, 10/29  SOCIAL STUDIES | Review for BM |  | Warm up: MC Problems  Lesson: Students work on review in groups  Extension: Answer questions  Homework: Work on review |  |
| Wednesday, 10/30  ENGLISH | Review for BM |  | Warm up: MC Problems  Lesson: Review Game: Who wants to be a Millionaire  Homework: Study for test. |  |
| Thursday, 10/31  MATH | BM #2 |  | BM #2 1.2-2.1 | MM3A1b  MM3A1c  MM3A1d  MM3A4a  MM3A4c  MM3A5c MM3A6a  MM3A6b  MM3A6c  MM3A7a  MM3A7b |
| Friday, 11/1  SCIENCE | 2.2-Translate graphs of Polynomial Functions | The student will be able to graph polynomial functions using the parent functions. | Warm up: Repeat (Most missed BM like questions not actual)  Lesson: Review 2.2  Extension: Lesson 2.2 worksheet  Homework: Practice quiz 2.1-2.2 | MM3A1a  MM3A1c  MM3A1d |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 14 | Monday, 11/4 | 2.3-Factor and Solve Polynomial Equations | The student will be able to factor and solve polynomial equations. | Warm up: Opening question (factoring)  Lesson: Notes on Solving Polynomials  Extension: Examples  Homework: Lesson 2.3 worksheet | MM3A3b  MM3A3d |
| Tuesday, 11/5 | 2.3-Factor and Solve Polynomial Equations | The student will be able to factor and solve polynomial equations. | Warm up: Opening question (factoring)  Lesson: Go over homework  Extension: More Examples  Homework: Review 2.1-2.3 | MM3A3b  MM3A3d |
| Wednesday, 11/6  Performance Essay  MATH &  FOREIGN LANG | 2.1-2.3 Review |  | Warm up: MC Practice  Lesson: Work on review  Extension: go over review  Homework: Study for quiz |  |
| Thursday, 11/7 | 2.2-2.3 |  | Quiz | MM3A1a  MM3A1c  MM3A1d  MM3A3b  MM3A3d |
| Friday, 11/8 | 2.4-Solve Polynomial Inequalities | The student will be able to solve polynomial inequalities. | Warm up: Repeat (most missed question type from quiz)  Lesson: Notes on Solving inequalities  Extension: Examples  Homework: #1-9, pg 83 | MM3A3c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 15 | Monday, 11/11 | 2.4-Solve Polynomial Inequalities | The student will be able to solve polynomial inequalities. | Warm up: Opening question (factoring polynomials)  Review: Go over homework  Lesson: Additional notes/examples (interval notation)  Extension: Hand out review and give time to work  Homework: Review | MM3A3c |
| Tuesday, 11/12 | Review 2.1-2.4 |  | Warm up: MC Practice  Lesson: Go over review  Closing: topical review  Homework: Study for test |  |
| Wednesday, 11/13 | Test 2.1-2.4 |  | Test | MM3A1a  MM3A1b  MM3A1c  MM3A1d  MM3A3b  MM3A3c |
| Thursday, 11/14 | 2.5-Apply the Remainder and Factor Theorems | The student will be able to use theorems to factor polynomials. | Warm up: Repeat (weakest topics from test)  Lesson: Notes on Long division  Extension: Examples  Homework: # 1-6, pg 87 | MM3A3a  MM3A3d |
| Friday, 11/15 | 2.5-Apply the Remainder and Factor Theorems | The student will be able to use theorems to factor polynomials. | Warm up: Repeat (weakest topics from test)  Lesson: Notes on Synthetic Division  Extension: Examples  Homework: # 7-12, 19, 21, 23 pg 87 | MM3A3a  MM3A3d |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 16 | Monday, 11/18 | 2.5-Apply the Remainder and Factor Theorems | The student will be able to use theorems to factor polynomials. | Warm up: Opening question (long division)  Lesson: Go over homework  Extension: Examples (more complicated)  Homework: # 2-14 even, pg 88 | MM3A3a  MM3A3d |
| Tuesday, 11/19 | 2.6-Find Rational Zeros | The student will be able to find all real zeros of a polynomial function. | Warm up: Opening question (final additional zeros)  Lesson: Notes on RRT  Extension: Examples  Homework: #1-15, pg 91 | MM3A3a  MM3A3d |
| Wednesday, 11/20 | 2.6-Find Rational Zeros | The student will be able to find all real zeros of a polynomial function. | Warm up: Opening question (final additional zeros)  Lesson: Notes on RRT  Extension: Examples  Homework: #2-12 even, pg 92 | MM3A3a  MM3A3d |
| Thursday, 11/21 | Review 2.5-2.6 |  | Warm up: MC practice  Lesson: Give out Review and let them work in groups  Extension: Go over review  Homework: Study for quiz |  |
| Friday, 11/22 | Quiz 2.5-2.6 |  | Quiz 2.5-2.6 | MM3A3a  MM3A3d |
| **THANKSGIVING BREAK!** | | | | | |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 17 | Monday, 12/2 | 2.7-Apply the Fundamental Theorem of Algebra | The student will be able to classify the zeros of polynomial functions. | Warm up: Repeat (most missed topics from quiz)  Lesson: Notes on FTA  Extension: Examples  Homework: #2-16 even & 17, pg 96 | MM3A3a  MM3A3d |
| Tuesday, 12/3 | 2.7-Apply the Fundamental Theorem of Algebra | The student will be able to classify the zeros of polynomial functions. | Warm up: Opening question (find all rational roots)  Review: Go over homework  Lesson: Notes on FTA (calculator emphasis)  Extension: Examples  Homework: #2-18 even, pg 97 | MM3A3a  MM3A3d |
| Wednesday, 12/4  Performance Essay  SCIENCE &  HEALTH/PE | 2.8-Analyze Graphs of Polynomial Functions | The student will be able to use intercepts to graph polynomial functions. | Warm up: Opening question (graph polynomials)  Review: Go over homework  Lesson: Notes on Analyzing Polynomials  Extension: Examples  Homework: #2-26 even, pg 100 | MM3A1b  MM3A3d |
| Thursday, 12/5 | 2.8-Analyze Graphs of Polynomial Functions | The student will be able to use intercepts to graph polynomial functions. | Warm up: Opening question (find all zeros)  Review: Go over homework  Lesson: Notes on Analyzing Polynomials cont. (Calc emphasis)  Extension: Examples  Homework: #27-32, 34, 36, pg 101 | MM3A1b  MM3A3d |
| Friday, 12/6 | 2.8-Analyze Graphs of Polynomial Functions | The student will be able to use intercepts to graph polynomial functions. | Warm up: Opening question (Word problem)  Review: Go over homework  Extension: More examples (emphasis on word problems)  Closing: Topical review of 2.5-2.8  Homework: Review 2.5-2.8 | MM3A1b  MM3A3d |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 18 | Monday, 12/9 | Review 2.5-2.8 |  | Warm up: MC Practice  Lesson: Go over Review  Closing: Topical review  Homework: Study for Test |  |
| Tuesday, 12/10 | Test 2.5-2.8 |  | Test 2.5-2.8  Homework: Fraction Basics worksheet | MM3A1b MM3A3a  MM3A3d |
| Wednesday, 12/11 | Rational Functions Preview |  | Warm up: Repeat (most missed topics from test)  Lesson: Fraction basics notes & examples  Lesson pt 2: Exponents and fractions notes & examples  Practice: Work on Review Worksheet  Homework: Finish sheet |  |
| Thursday, 12/12 | Rational Functions Preview |  | Warm up: Opening question  Lesson: Examples (more complicated rational expressions and exponents)  Homework: Final Exam review |  |
| Friday, 12/13 | Final review |  | Warm up: Repeat (most missed from BM 1)  Lesson: Work in groups on Final exam  Review: Go over questions  Homework: continue working on final review |  |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 19  Benchmark Week #3 | Monday, 12/16 | Final Review | |  | Warm up: Repeat (most missed from BM 2)  Lesson: Work in groups on Final exam  Review: Go over questions  Homework: continue working on final review |  |
| Tuesday, 12/17 |  | **Semester Exams (Benchmark #3) – 7th Period** | | | MM3A1a  MM3A1b  MM3A1c  MM3A1d  MM3A3a  MM3A3b  MM3A3c  MM3A3d  MM3A4a  MM3A4c  MM3A5c MM3A6a  MM3A6b  MM3A6c  MM3A7a  MM3A7b |
| Wednesday, 12/18 | **Semester Exams (Benchmark #3) – 1st & 2nd Periods** | | | | |
| Thursday, 12/19 | **Semester Exams (Benchmark #3) – 3rd & 4th Periods** | | | | |
| Friday, 12/20 | **Semester Exams (Benchmark #3) – 5th & 6th Periods** | | | | |

**End 1st Semester**

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 1 | Monday, 1/6 | **Professional Learning Day (Student Holiday)** | | | |
| Tuesday, 1/7 | 3.1-Properties of Integral Exponents | The student will be able to simplify expressions using properties of integral exponents | Warm up: List all exponent rules  Lesson: Notes on Simplifying Expressions with exponents  Extension: Examples  Homework: Worksheet | MM3A2a  MM3A2b |
| Wednesday, 1/8 | 3.1-Properties of Rational Exponents | The student will be able to simplify expressions using properties of rational exponents | Warm up: Simplify Expressions with Exponents  Review: Go over homework  Lesson: Notes on Rational Exponents  Extension: Examples  Homework: 2-20 Even, pg 111 | MM3A2a  MM3A2b |
| Thursday, 1/9 | 3.1-Solving Nth root | The student will be able to simplify expressions using properties of rational exponents | Warm up: Simplify Expressions with Exponents  Review: Go over homework  Lesson: Notes on Solving equations with rational exp  Extension: Examples  Homework: 16-32 Even, pg 112 | MM3A2a  MM3A2b |
| Friday, 1/10 | 3.1-Properties of Rational Exponents | The student will be able to simplify expressions using properties of rational exponents | Warm up: Quick review  Quiz 3.1 | MM3A2a  MM3A2b |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 2 | Monday, 1/13 | 3.2-Simplify Radical Expressions | The students will be able to perform operations on radical expressions | Warm up: Simplify radical expressions  Lessons: Notes on Radical simplification  Extension: Examples  Homework: #1-9, 25-29 odd, pg 115 | MM3A2b |
| Tuesday, 1/14 | 3.2-Simplify Radical Expressions | The students will be able to perform operations on radical expressions | Warm up: Simplify radical expressions  Review: Go over Homework  Lessons: Notes on Radical simplification (emphasis on rational expressions)  Extension: Examples  Homework: #10-24 even, 31-33 all pg 115 | MM3A2b |
| Wednesday, 1/15 | 3.2-Simplify Radical Expressions | The students will be able to perform operations on radical expressions | Warm up: Simplify radical expressions  Review: Go over homework  Review pt 2: Exponents with radicals and rational expressions  Extension: Examples  Homework: Review sheet | MM3A2b |
| Thursday, 1/16 | 3.3-Graphing Square rts and Cube rts. | Students will be able to graph square root and cube root functions. | Warm up: graph sqrt x and cube rt x  Review: Go over homework  Lesson: Notes on Graphs and basic analysis (D, R, translation)  Extension: Examples  Homework: #1-12, pg. 120 | MM3A3d |
| Friday, 1/17 | 3.3-Graphing Square rts and Cube rts. | Students will be able to graph square root and cube root functions. | Warm up: graph sqrt x and cube rt x  Review: Go over homework  Lesson: Notes on Graphs and basic analysis (D, R, translation)  Extension: Examples  Homework: #1-10, pg. 121 | MM3A3d |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 3 | Monday, 1/20 | **MLK HOLIDAY** | | | |
| Tuesday, 1/21 | 3.4-Solve Radical Equations | The students will be able to solve radical equations. | Warm up: Graph Sq rt and cube rt function  Review: Go over homework  Lesson: Notes on how to solve radical equations  Extension: Examples  Homework: #2-18 even, pg 124 | MM3A3d |
| Wednesday, 1/22 | 3.4-Solve Radical Equations | The students will be able to solve radical equations. | Warm up: Graph Sq rt and cube rt function  Review: Go over homework  Lesson: Notes on how to solve radical equations  Extension: Examples  Homework: Test Review | MM3A3d |
| Thursday, 1/23 | Review |  | Warm up: Practice MC questions  Review: Go over review  Closing/summary: topical review  Homework: Study for the test | MM3A2a  MM3A2b  MM3A3d |
| Friday, 1/24 | Test Ch 3 |  | Test Ch 3 | MM3A2a  MM3A2b  MM3A3d |

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| Week 4 | Monday, 1/27 | 4.1-Exponential Growth Functions | The students will be able to graph and use exponential growth functions. | Warm up: Repeat (most missed topics from test)  Lesson: Notes on Exponentials (growth)  Extension: Examples Homework: #1-14, pg 132 | MM3A2e  MM3A2f |
| Tuesday, 1/28 | 4.2-Exponential Decay Functions | The students will be able to graph exponential decay functions. | Warm up: Repeat (most missed topics from test)  Review: Go over homework  Lesson: Notes on Exponentials (decay)  Extension: Examples Homework: #1-14, pg 137 | MM3A2e  MM3A2f |
| Wednesday, 1/29 | 4.1, 4.2-Graph Exponential Growth and Decay Functions | The students will be able to graph exponential growth and decay functions. | Warm up: #13 pg 133  Review: Go over Homework  Lesson: Notes on graphing exponentials  Extension: Examples  Homework: #1-9, pg 138 | MM3A2e  MM3A2f |
| Thursday, 1/30 | 4.1, 4.2-Graph Exponential Growth and Decay Functions | The students will be able to graph exponential growth and decay functions. | Warm up: #13 pg 133  Review: Go over Homework  Review  Extension: Examples  Homework: #1-9, pg 138 | MM3A2e  MM3A2f |
| Friday, 1/31 | 4.1, 4.2-Exponential Growth and Decay Functions |  | Quiz 4.1-4.2 | MM3A2e  MM3A2f |

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| Week 5 | Monday, 2/3 | 4.3-Use Functions Involving *e* | | The students will study functions involving the natural base *e*. | Warm up: Analyze exp growth  Lesson: Notes on e (with interest problems)  Extension: Examples  Homework: #1-21 ,pg 143 | MM3A2e  MM3A2f  MM3A2g  MM3A3d |
| Tuesday, 2/4 | 4.4-Graph Logarithmic Functions | | The students will be able to graph logarithmic functions. | Warm up: Continuous comp interest problem  Review: Go over homework  Lesson: Notes on Logarithmic Functions  Extension: Examples  Homework: #2-24, pg 147 | MM3A2c  MM3A2e  MM3A2f |
| Wednesday, 2/5  Performance Essay  ENGLISH &  FINE ARTS | 4.4-Graph Logarithmic Functions | | The students will be able to graph logarithmic functions. | Warm up: Repeat (most missed topic from quiz)  Review: Go over homework  Lesson: Notes on Logarithmic Functions cont.  Extension: Examples  Homework: Logarithm Worksheet | MM3A2c  MM3A2e  MM3A2f |
| Thursday, 2/6 | Review 4.3-4.4 | |  | Warm up: Practice MC  Review: Go over homework  Review pt 2: Work on Review for quiz  Closing/Summary: Go over quiz review  Homework: Study for quiz |  |
| Friday, 2/7 | Quiz 4.3-4.4 |  | | Quiz 4.3-4.4 | MM3A2c  MM3A2e  MM3A2f  MM3A2g  MM3A3d |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 6  Benchmark  #1 | Monday, 2/10  ELECTIVES | 4.5-Interpret Graphs of Exponential and Logarithmic Functions | The students will be able to interpret graphs of exponential and logarithmic graphs | Warm up: Repeat (most missed questions from quiz)  Lesson: Notes on Analyzing Exponentials and Logarithmic functions.  Extension: Examples  Homework: #1-10, pg 153 | MM3A2e  MM3A2f |
| Tuesday, 2/11  SCIENCE | 4.5-Interpret Graphs of Exponential and Logarithmic Functions | The students will be able to interpret graphs of exponential and logarithmic graphs | Warm up: Repeat (most missed questions from quiz)  Lesson: Notes on Analyzing Exponentials and Logarithmic functions.  Extension: Examples  Homework:BM #1 Review | MM3A2e  MM3A2f |
| Wednesday, 2/12  SOCIAL STUDIES | Review BM #1 |  | Warm up: MC practice Ch 3  Lesson: Work on Review  Closing/Summary: Go over question on review |  |
| Thursday, 2/13  ENGLISH | Review BM #1 |  | Warm up: MC practice ch 4  Lesson: Work on Review  Closing/Summary: Go over question on review |  |
| Friday, 2/14  MATH | BM #1 |  | BM #1 |  |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 7 | Monday, 2/17 | **Winter Holiday!** | | | | |
| Tuesday, 2/18 | **Professional Learning Day** | | | | |
| Wednesday, 2/19 | Review 4.1-4.5 |  | | Warm up: MC practice 4.1-4.2  Lesson: Work in groups on review  Closing/summary: Go over questions from review  Homework: Work on review pt 2 |  |
| Thursday, 2/20 | Review 4.1-4.5 | |  | Warm up: MC practice 4.3-4.5  Lesson: Work in groups on review  Closing/Summary: Go over questions from review  Homework: Study for test |  |
| Friday, 2/21 | Test 4.1-4.5 |  | | Test 4.1-4.5 | MM3A2c  MM3A2e  MM3A2f  MM3A2g  MM3A3d |

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| Week 8 | Monday, 2/24 | 4.6-Definition and Properties of Logarithms | The students will be able to apply the definition and properties of logarithms. | Warm up: Repeat (most missed questions from BM #1)  Lesson: Notes on Prop of Logs  Extension: Examples  Homework: Worksheet on Logs | MM3A2e  MM3A2f |
| Tuesday, 2/25 | 4.6-Definition and Properties of Logarithms | The students will be able to apply the definition and properties of logarithms. | Warm up: Repeat (most missed questions from BM #1)  Review: Go over Homework  Lesson: Notes on Prop of Logs  Extension: Examples  Homework: Worksheet on Logs cont. | MM3A2e  MM3A2f |
| Wednesday, 2/26  Performance Essay  SOCIAL STUDIES &  CTAE | 4.7-Write and apply Exponential and Power Functions | The students will be able to write and apply exponential and power functions. | Warm up: Opening problem (Simplify Logs)  Review: Go over homework  Lesson: Notes on Exp and Power Functions  Extension: Examples  Homework: #1-12, pg 161 | MM3A2g |
| Thursday, 2/27 | 4.7-Write and apply Exponential and Power Functions | The students will be able to write and apply exponential and power functions. | Warm up: Opening problem (Simplify Logs)  Review: Go over homework  Lesson: Notes on Solving equations (basic)  Review: Work on review for quiz  Homework: #22-30 pg 161 | MM3A2g |
| Friday, 2/28 | 4.7-Solve Exponential and Logarithmic Equations | The students will be able to solve exponential and logarithmic equations. | Warm up (solve basic log/exp equation)  Lesson: Notes on solving equations (more difficult)  Extension: Examples Homework: #13-21, 31-36, pg 161 | MM3A3b  MM3A3d |

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| Week 9 | Monday, 3/3 | 4.8-Solve Exponential and Logarithmic Inequalities | The students will be able to solve exponential and logarithmic inequalities. | Warm up: Opening problem: Solve logs  Lesson: Notes on Solving Exp & log inequalities  Extension: Examples  Homework: #1-18 pg 167 | MM3A3c |
| Tuesday, 3/4 | 4.8-Solve Exponential and Logarithmic Inequalities | The students will be able to solve exponential and logarithmic inequalities. | Warm up: Opening problem: Solve logs  Lesson: Notes on Solving Exp & log inequalities  Extension: Examples  Homework: #1-18 pg 167 (finish up) | MM3A3c |
| Wednesday, 3/5 | Review 4.6-4.8 |  | Warm up: MC practice  Lesson: students work in groups on review problems  Review: Go over review  Closing/Summary: Topical review  Homework: Study for quiz |  |
| Thursday, 3/6 | Quiz 4.6-4.8 |  | Quiz 4.6-4.8 | MM3A3b  MM3A3c  MM3A3d  MM3A2e  MM3A2f  MM3A2g |
| Friday, 3/7 | 4.9-Write and apply Exponential and Power Functions | The students will be able to write and apply exponential and power functions. | Warm up: Repeat (most missed questions/topics from quiz)  Lesson: Notes on Applying exp and power function  Extensions: Examples  Homework: #2-20 even, pg 171 | MM3A2g |

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| Week 10 | Monday, 3/10 | 4.9-Write and apply Exponential and Power Functions | The students will be able to write and apply exponential and power functions. | Warm up: Repeat (most missed questions/topics from quiz)  Review: go over homework  Lesson: Notes on Applying exp and power function  Extensions: Examples  Homework: #2-20 even, pg 171, give out review | MM3A2g |
| Tuesday, 3/11 | Review |  | Warm up: MC Practice  Review: go over homework  Lesson: students work in groups on review  Closing/Summary: go over question about review |  |
| Wednesday, 3/12 | Test Ch 4.6-4.9 |  | Test Ch 4.6-4.9 | MM3A3b  MM3A3c  MM3A3d  MM3A2e  MM3A2f  MM3A2g |
| Thursday, 3/13 | 5-Conic Sections | The students will explore the different conic sections that can be created from circles and lines. | Warm up: Repeat (most missed topics from test)  Lesson: Conic section lab (patty paper)  Closing/Summary: Discuss conics | MM3G2b  MM3G2c |
| Friday, 3/14 | **Professional Learning (Student Holiday)** | | | |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 11 | Monday, 3/17 | 5.1-Graph Conic Sections: Parabolas | The students will be able to graph parabolas given an equation. | | Warm up: Opening question (graph a parabola)  Lesson: Notes on Conic (parabola)  Extension: Examples  Homework: #2-22 even, pg 178 | MM3G2b  MM3G2c |
| Tuesday, 3/18 | 5.1-Graph Conic Sections: Parabolas | The students will be able to graph parabolas given an equation. | | Warm up: Opening question (write equ for parabola)  Lesson: Notes on Conic (parabola) cont.  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| Wednesday, 3/19  Performance Essay  MATH &  FOREIGN LANG | Performance Essay |  | | Performance Essay |  |
| Thursday, 3/20  Professional  Learning  Early Release | 5.1-Write Equations of Parabolas | | The student will be able to write the equations of parabolas from given information and/or graphs. | Warm up: Opening question (graph parabola)  Lesson: Notes on writing equations from graph  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| Friday, 3/21  Professional  Learning  Early Release | 5.1-Write Equations of Parabolas | | The student will be able to write the equations of parabolas from given information and/or graphs. | Warm up: Opening question (graph parabola)  Lesson: Notes on writing equations from graph  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |

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| Week 12  Benchmark  #2  (Friday) | Monday, 3/24 | 5.2-Graph Conic Sections: Circles | The student will be able to graph circle given the equations and write equations given information. | Warm up: Opening question (graph circle)  Lesson: Notes on Circles  Extension: Examples  Homework: Conic Worksheet | MM3G1a  MM3G1b |
| Tuesday, 3/25 | 5.2-Graph Conic Sections: Circles | The student will be able to graph circle given the equations and write equations given information. | Warm up: Opening question (graph parabola)  Lesson: Notes on writing equations with lines and circles  Extension: Examples  Homework: Conic Worksheet | MM3G1c  MM3G1d  MM3G1e |
| Wednesday, 3/26 | Quiz 5.1-5.2 |  | Quiz 5.1-5.2 | MM3G1a  MM3G1b  MM3G1c  MM3G1d  MM3G1e  MM3G2b  MM3G2c |
| Thursday, 3/27 | 5.3-Graph Conic Sections: Ellipses | The student will be able to graph ellipses given the equations. | Warm up: Opening question (graph parabola)  Lesson: Notes on writing equations from graph  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| Friday, 3/28  ELECTIVES | Review for BM #2 |  | Warm up: MC Practice  Lesson: Students work on review in groups  Closing/Summary: Answer question and topical review |  |

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| Week 13  Benchmark  #2  (Monday –  Thursday) | Monday, 3/31  MATH | BM #2 |  | BM #2 | MM3A2a  MM3A2b  MM3A2c  MM3A2e  MM3A2f  MM3A2g  MM3A3b  MM3A3c  MM3A3d |
| Tuesday, 4/1  SCIENCE | 5.3-Graph Conic Sections: Ellipses | The student will be able to graph ellipses given the equations. | Warm up: Opening question (graph parabola and circles)  Lesson: Notes on Ellipses  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| Wednesday, 4/2  SOCIAL STUDIES | 5.3-Write Equations of Ellipses | The students will be able to write equations given a graph and/or other information. | Warm up: Opening question (graph parabola and circles)  Review: Go over homework  Lesson: Notes on Ellipses (writing equations)  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| Thursday, 4/3  ENGLISH | 5.4-Graph Conic Sections: Hyperbolas | The student will be able to graph hyperbolas given the equations. | Warm up: Opening question (Ellipses)  Review: Homework  Lesson: Notes on Hyperbolas  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| Friday, 4/4  Buford’s  Got Talent | 5.4-Graph Conic Sections: Hyperbolas | The student will be able to graph hyperbolas given the equations. | Warm up: Opening question (graph parabola and circles)  Review: Go over homework  Lesson: Notes on Hyperbolas (cont. from 4/3)  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| **SPRING BREAK!** | | | | | |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 14 | Monday, 4/14 | 5.4-Graph Conic Sections: Hyperbolas | The students will be able to graph hyperbolas given the equations. | Warm up: Opening question (graph parabola and circles)  Review: Go over homework  Lesson: Notes on Hyperbolas  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| Tuesday, 4/15 | 5.4-Write Equations of Hyperbolas | The students will be able to write the equations of hyperbolas given a graph and/or other information. | Warm up: Opening question (graph parabola and circles)  Review: Go over homework  Lesson: Notes on Hyperbolas (writing equations)  Extension: Examples  Homework: Conic Worksheet | MM3G2b  MM3G2c |
| Wednesday, 4/16 | 5.7-Figures in three space | Students will be able to plot and find distance in three space. | Warm up: Opening question (hyperbolas)  Review: Go over homework  Lesson: Notes on 3D figures (plotting and distance)  Extensions: Examples  Homework: #1-6, pg 207 | MM3G3a  MM3G3b |
| Thursday, 4/17 | 5.7-Figures in three space | Students will be able to write equations of lines and spheres in three dimensions. | Warm up: Opening question (Distance)  Review: Go over homework  Lesson: Notes on 3D figures (lines and spheres)  Extension: Examples  Homework: #7-19 odd, pg 207 | MM3G3c |
| Friday, 4/18 | Review Circles & Parabolas |  | Warm up: MC practice  Review: Go over homework  Lesson: Students will work in groups on review  Review: Go over questions from review  Homework: Finish Review sheet |  |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 15 | Monday, 4/21 | Review Ellipses & Hyperbolas |  | Warm up: MC practice  Review: Go over homework  Lesson: Students will work in groups on review  Review: Go over questions from review  Homework: Finish Review sheet |  |
| Tuesday, 4/22 | Test Ch 5 |  | Test Ch 5 (conics) | MM3G1a-e  MM3G2a-c  MM3G3a-c |
| Wednesday, 4/23  Performance Essay  SCIENCE &  HEALTH/PE | Categorical Data | Students will learn categorical variables and the graphs that go with them. | Warm up: Answer class survey  Lesson: Notes on Categorical Data and Pie & Bar Charts  Extension: use class survey to make graphs  Homework: Have students take the class data and make each chart from a different question | MM3D1 |
| Thursday, 4/24 | Categorical Data | Students will learn about quantitative data and the graphs that can be used with them | Warm up: Opening question (pos/neg of pie charts)  Lesson: Notes on Categorical Data and Segmented Bar Charts  Extension: use class survey to make graphs  Homework: Have students take the class data and make each chart from a different question | MM3D1 |
| Friday, 4/25 | Quantitative Data | Students will learn about quantitative data and the graphs that can be used with them | Warm up: Opening question (Categorical Data)  Lesson: Notes on Quant data and Dot plots and Histograms  Extension: use class survey to make graphs  Homework: Have students take the class data and make each chart from a different question | MM3D1 |

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| Week 16 | Monday, 4/28 | Quantitative Data | Students will learn about quantitative data and the graphs that can be used with them | | Warm up: Opening question (pos/neg of histograms)  Lesson: Notes on Quant data and Stem and Leaf and Box plots  Extension: use class survey to make graphs  Homework: Have students take the class data and make each chart from a different question. | MM3D1 |
| Tuesday, 4/29 | Categorical Quantitative Review | |  | Warm up: Opening question (compare/contrast histo and box plots)  Lesson: M&M Lab (each student needs a 1.69 oz bag of plain m&ms) and review  Homework: Finish Lab |  |
| Wednesday, 4/30 | Quiz Stat 1 | |  | Quiz Stat 1: categorical vs quantitative graphs | MM3D1 |
| Thursday, 5/1 | Normal Distributions | | Students will be able to determine probabilities using the normal distribution. | Warm up: Repeat (most missed topics from quiz)  Lesson: Notes on Normal Dist (68-95-99.7)  Extension: Examples  Homework: #1-22, pg 222 | MM3D2a  MM3D2b  MM3D2c |
| Friday, 5/2 | Z-scores | | Students will be able to determine probabilities using the normal distribution. | Warm up: Repeat (most missed topics from quiz)  Review: Go over homework  Lesson: Notes on z-scores and normal dist.  Extension: Examples  Homework: Normal Dist Worksheet | MM3D2a  MM3D2b  MM3D2c |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 17 | Monday, 5/5 | Confidence Int | Students will learn how to create a confidence interval and interpret it. | Warm up: Opening question (normal distributions)  Review: Go over homework  Lesson: Notes on Confidence intervals and Margin of Error  Extension: Examples  Homework: Confidence interval worksheet | MM3D2a  MM3D3 |
| Tuesday, 5/6 | Confidence Int | Students will learn how to create a confidence interval and interpret it. | Warm up: Repeat (confidence intervals)  Review: Go over homework  Lesson: Notes on confidence intervals and how to interpret them.  Extension: Examples  Homework: Confidence interval worksheet | MM3D2a  MM3D3 |
| Wednesday, 5/7 | Review Stat 1 |  | Warm up: MC Practice  Lesson: Students work in groups on the Review  Closing/Summary: go over questions  Homework: Study for test |  |
| Thursday, 5/8 | Test Stat 1 |  | Test Stat 1: Normal Dist, z-scores, and confidence intervals | MM3D2a  MM3D2b  MM3D2c  MM3D3 |
| Friday, 5/9 | Surveys | Students will identify the different methods of collecting data and the types of bias associated with them. | Warm up: Repeat (most missed topics from test)  Lesson: Notes on Surveys and Bias  Extension: Examples  Homework: #1-17, pg 230 | MM3D3 |
| AP Exams  Monday, 5/5 – AP Chem (AM), AP Enviro Science (AM), and AP Psych(PM)  Wednesday, 5/7 – AP Calculus (AM)  Thursday, 5/8 – AP English Literature (AM)  Friday, 5/9 – AP English Language (AM), AP Art (AM), and AP Statistics (PM) | | | | Career Pathways Testing  Tuesday, 5/6  Make-Up Exams As Needed | |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 18 | Monday, 5/12 | Obs Study vs Experiments | Students will identify the different methods of collecting data and the types of bias associated with them. | Warm up: Repeat (most missed topics from test)  Lesson: Notes on Obs study and Experiments  Extension: Examples  Homework: #1-6, pg 235 | MM3D3 |
| Tuesday, 5/13 | Review Stat 2 |  | Warm up: MC practice  Lesson: Students will work on review in groups  Closing/Summary: Go over questions from review  Homework: Study for quiz |  |
| Wednesday, 5/14 | Quiz Stat 2 |  | Quiz Stat 2: Surveys, Experiments, and Obs Studies | MM3D3 |
| Thursday, 5/15 | Final Exam Review |  | Warm up: MC practice  Lesson: Students will work on review in groups  Closing/Summary: Go over questions from review  Homework: Study for final |  |
| Friday, 5/16 | Final Exam Review |  | Warm up: MC practice  Lesson: Students will work on review in groups  Closing/Summary: Go over questions from review  Homework: Study for final |  |
| AP Exams  Monday, May 12 – AP Biology (AM) and AP Music Theory (AM)  Tuesday, May 13 – AP Government (AM) and AP Human Geography (PM)  Wednesday, May 15 – AP US History (AM)  Thursday, May 16 – AP Macroeconomics (AM) and AP World History (AM) | | | | EOCTs  Thursday, 5/15 – Economics  Friday, 5/16 – 9th Lit & Comp, American Lit & Comp, & Analytic Geometry  (Other EOCTs will be given during Semester Exam periods.) | |

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| **WEEK** | **DAY** | **CONCEPT** | **OBJECTIVES** | **INSTRUCTIONAL STRATEGIES** | | **STANDARDS**  **(CCGPS, GPS, AP)** |
| Week 19  Benchmark  #3 | Monday, 5/19 | **Senior Exams (Benchmark #3 – 4th, 5th, 6th, & 7th)** | | | Warm up: MC practice  Lesson: Students will work on review in groups  Closing/Summary: Go over questions from review  Homework: Study for Final | |
| Tuesday, 5/20 | **Senior Exams (Benchmark #3 – 1st, 2nd, & 3rd) / Semester Exams (Benchmark #3 – 7th)** | | | **Final Exam/Review**  MM3A2a-g  MM3A3a-d  MM3D1  MM3D2a-c  MM3D3  MM3G1a-e  MM3G2a-c  MM3G3a-c | |
| Wednesday, 5/21 | **Semester Exams (Benchmark #3 – 1st & 2nd)** | | | | |
| Thursday, 5/22 | **Semester Exams (Benchmark #3 – 3rd & 4th)** | | | | |
| Friday, 5/23 | **Semester Exams (Benchmark #3 – 5th & 6th)** | | | | |