Accelerated Pre-Calculus
January 2022
Unit 5 – Matrices

Monday	Tuesday	Wednesday	Thursday	Friday
3 Teacher Work Day	4 Remote 5.01 Introduction to Matrices • Vocabulary • Add, Subtract, & Scalar • Properties HW: 5.01 Practice	5 Remote 5.02 Matrix Multiplication • Multiply Matrices • Properties • Multiplicative Identity • Verifying Inverses HW: 5.02 Practice	6 Remote 5.02 Cont'd More Practice with Matrix Multiplication HW: 5.02 Extra Practice	7 Remote 5.03 Matrix Inverses • 2x2 matrices only • Determinant • Multiplicative Inverse • Singular Matrix HW: 5.03 Practice
10 Matrix Operations Review	11 Matrix Operations Review	12 **5.04 Matrix Ops Quiz**	13 **MAP Testing (9th and 10th graders only)**	14 **MAP Testing (9th and 10th graders only)**
17 **MLK Holiday**	18 5.05 Solving a 2X2 System of Equations • Review of Elimination • Using a Matrix Equation to Solve HW: 5.05 Practice	19 5.06 Matrix Inverses • 3x3 matrices only • Determinant • Multiplicative Inverse on calculator HW: 5.06 Practice	20 5.07 Solving a 3X3 System of Equations • Review of Elimination • Using a Matrix Equation to Solve HW: 5.07 Practice	21 5.08 Applications with Matrices HW: 5.08 Practice
24 **Early Release Day** Review	25 5.11 Review	26 5.11 Review	27 5.12 **Matrices Test**	

Accelerated Pre-Calculus
January & February 2022
Unit 6 – Vectors

Monday	Tuesday	Wednesday	Thursday	Friday
				28 6.01 Review Right Triangle Trig HW: 6.01 Practice
31 6.02 Introduction to Geometric Vectors • Geometric Vectors HW: 6.02 Practice	Feb 1 6.03 More Geometric Vectors • Vector Game • Direction HW: 6.03 Practice	2 6.04 Geometric and Algebraic Vectors Harry Potter Task HW: Finish 6.04 Task	3 6.05 Algebraic Vectors • Component Form • Operations • Unit Vectors HW: 6.05 Practice	4 6.06 More Algebraic Vectors • Magnitude • Direction HW 6.06 Practice
7 6.07 Angle with Vectors • Angle Between Vectors • Orthogonal Vectors • Parallel Vectors HW: 6.07 Practice	8 6.08 Quiz Review HW: Study for Quiz	9 **6.09 Quiz Vector Operations**	10 6.10 Bearings HW: Finish 6.10	11 6.11 Vector Applications Day 1 HW: 6.11 Application Practice Worksheet
14 6.12 Vector Applications Day 2 HW: 6.12 Application Day 2 Practice Wkst and Test Review	15 6.13 Test Review HW: 6.13 Test Review Worksheet	16 Test Review	17 **TEST: Vectors in 2 dimensions**	18 Teacher Workday (No School)

Accelerated Pre-Calculus
February & March 2022
Unit 7 – Polar Graphs & Complex Numbers

Monday	Tuesday	Wednesday	Thursday	Friday
Feb 21 **No School President's Day**	22 7.01 Polar Coordinates • Plot points • Multiple representations HW: 7.01 Practice	23 7.02 Polar Coordinates • Convert btw Rectangular & Polar • Multiple representations • Distance Formula HW: 7.02 Practice	24 7.03 Polar Coordinate Review HW: Polar Review	25 **7.04 Quiz- Polar Coordinates & Converting Points with Rectangular System**
28 **Early Release Day** 7.05 Complex Numbers in Rectangular Form • Absolute Value • Modulus • Distance Between • Midpoint HW: 7.05 Practice	Mar 1 7.06 Adding & Subtracting Complex Coordinates Geometrically HW: 7.06 Practice	2 **Check-In Quiz** 7.07 Complex Numbers in Polar Form • Modulus and Argument HW: 7.07 Practice	3 7.08 Operations with Complex Numbers in Polar Form • Product • Quotient HW: 7.08 Practice	4 7.09 More Complex Number Operations • Power • Roots HW: 7.09 Practice
7 7.10 More Practice with Operations HW: 7.11 Review	8 7.11 Review HW: Study!	9 **Test: Polar and Complex**	10 TASK: Battleship - Star Wars Edition!	11 **No School Teacher Work Day**

Accel Pre-Calculus
March & April 2022
Unit 8 – Conic Sections

Monday	Tuesday	Wednesday	Thursday	Friday
March 14 Teacher Work Day No School	15 8.01 Parabolas Day 1 • Graphing parabolas • Parts of a parabola • Standard Form HW: 8.01 Parabolas Day 1 Practice	16 8.02 Parabolas Day 2: • Use CTS to write parabola equations in standard form HW: 8.02 Parabolas Day 2 Practice	17 8.03 Parabolas Day 3: • Write the equation of a parabola given characteristics HW: 8.03 Parabolas Day 3 Practice	18 8.04 Circles Day 1: • Graphing circles • Standard form • Writing equations given characteristics HW: 8.04 Circles Day 1 Practice
21 Early Release Day 8.05 Circles Day 2: • Use CTS to write circle equations in standard form HW: 8.05 Circles Day 2 Practice	22 8.06 Review Parabolas and Circles HW: Study	23 **8.07** **Quiz** **Parabolas and Circles**	24 8.08 Ellipses Day 1 • Graphing ellipses • Parts of an ellipse • Standard Form HW: 8.08 Ellipses Day 1 Practice	25 8.09 Ellipses Day 2: • Use CTS to write ellipse equations in standard form HW: 8.09 Ellipses Day 2 Practice
28 8.10 Ellipses Day 3: • Write the equation of an ellipse given characteristics HW: 8.10 Ellipses Day 3 Practice	29 8.11 Hyperbolas Day 1 • Graphing hyperbolas • Parts of a hyperbola • Standard Form HW: 8.11 Hyperbolas Day 1 Practice	30 8.12 Hyperbolas Day 2: • Use CTS or characteristics to write hyperbola equations in standard form HW: 8.12 Hyperbolas Day 2 Practice	31 8.13 Review Ellipses and Hyperbolas HW: Study	5 **8.14** **Quiz** **Ellipses and Hyperbolas**
Spring Break!				

Accelerated Pre-Calculus
April 2022
Unit 9- Statistics

Monday	Tuesday	Wednesday	Thursday	Friday
11 9.01 Review of Measures of Center and Spread • Mean, Median, Mode • Range, IQR, MAD • Box & Whisker Plot HW: 9.01	12 9.02 New Measures of Spread • Variance • Standard Deviation HW: 9.02	13 9.03 Standard Deviation cont'd • Using Technology HW: 9.03	14 9.04 Normal Distribution • Empirical Rule • Probability as area under the curve HW: 9.04	15 9.05 Normal Distribution cont'd • Applications with Empirical Rule HW: 9.05
18 9.06 Standard Normal Distribution • Z-scores HW: 9.06	19 9.07 Standard Normal Distribution • Z-scores • Applications HW: 9.07 HW	20 9.08 Check In Quiz: Normal Distribution	21 9.09 Confidence Intervals • Proportions and Means HW: 9.09	22 9.10 Confidence Intervals Cont'd HW: 9.10 HW
25 9.11 Review HW: Finish Review	26 9.11 Review HW: Study	27 **9.12 TEST Day 1 (EOC schedule)**	28 **9.12 TEST Day 2 (EOC schedule)**	29 **Exponent Review (Preview for Logs Unit 10)**

Accelerated Pre-Calculus
May 2022 Calendar
Units 10 - Logarithms

Monday	Tuesday	Wednesday	Thursday	Friday
2 10.01 Exponential Function Review Solving Equations with like bases	3 10.02 Log Functions Converting between log form and exponential form • Special log bases • Evaluate logs	4 10.03 Properties of Logs • Expanding Logs • Condensing Logs	5 10.3 Properties of Logs Day 2	6 10.04 Solving Equations (Lesson 3-4) Exponential Equations
9 10.05 Solving Log and exponential Equations (Lesson 3-4) • Log Equations	10 10.05 (Day 2) Solving Log and exponential Equations	11 10.06 Review Logs- Solving Equations and Properties	12 10.06 Review : Logs- Solving Equations and Properties	13 10.08 Graphing Log Functions
16 10.09 Graphing Log Functions (Day 2)	17 10.10 Log Test Review (Day 1)	18 10.10 Log Test Review (Day 2)	19 **10.11 Log Test**	20 Makeups and Recoveries
23 Makeups and Recoveries	24 Help Sessions (Virtual Day)	25 Makeups and Recoveries	26 **Last Day of School** Makeups and Recoveries	