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| ***Course Description:*** | Algebra II with Statistics, Honors provides a more in-depth treatment of algebraic concepts presented in Algebra I while introducing several higher-level topics. |  |
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| ***Course Objectives:*** | The course covers quadratic equations, function graphing, systems of equations and inequalities, and trigonometry. Sequences and series, complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics focuses on inferential statistics, which allows students to draw conclusions about populations and cause-and-effect based on random samples and controlled experiments. |  |
| ***Classroom Management Plan:***  ***Grading Policy:*** | **Classroom Management Plan**   * Verbal reprimand * Conference with student with parent contact * Withdrawal of privilege(s) with parent contact * Other consequences determined to be reasonable and appropriate by the   school administration  **Cell Phones**  Cell phones and earbuds/headphones will not be allowed to be used during classroom instruction time. Phones and earbuds/headphones will be put away in a location designated by the teacher and placed in silent mode. In secondary schools, students will have access to their phones and earbuds/headphones outside of classroom instruction time such as between classes and lunch. Failure to follow these procedures will result in a disciplinary referral to the office.  Major assessments will count 70 percent of your grade. Homework and classwork will account for 30 percent of your grade. Grades will be updated weekly in PowerSchool. Each grading period will consist of nine weeks.  If a student is caught cheating on any assignment, a grade of zero will be assigned. Copying another student’s work will result in a zero for both students. |  |
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| ***Make-up Work Policy:*** | **It is the student’s responsibility to complete make-up assignments according to a time frame determined by the teacher within two weeks of the date of the last absence**. Students may check Schoology or the assignment chart posted in the classroom to see daily assignments. Class notes and chapter reviews are also posted in Schoology.  Makeup tests will be given in a designated room during Patriot Path. Makeup tests should be made up within ten school days of returning to class. Missing the review prior to the test does not exempt a student from taking the test on the previously announced date. |  |
| ***Text and Other***  ***Required Reading:*** | *Algebra 2 with Statistics* (Big Ideas Learning)  Online: Go to BigIdeasMath.com and click the “Login with Clever” button. You will be directed to a Clever page where you can pick your school and type in your credentials or use your Clever badge. |  |
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| ***Materials and***  ***Supplies Needed:***  ***Laptops:***  ***Accommodations*** | Pencils  3-Ring Binder or Folder  Loose Leaf Notebook Paper  Scientific or Graphing Calculator  Concerning laptop utilization: 1.Student laptops should not be hard-wired to the network or have print capabilities. 2. Use of discs, flash drives, jump drives, or other USB devices will not be allowed on Madison City computers. 3. Neither the teacher, nor the school is responsible for broken, stolen, or lost laptops. 4. Laptops and other electronic devices will be used at the individual discretion of the teacher.  Requests for accommodations for this course or any school event are welcomed from students and parents. |  |

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| 18 – WEEK PLAN \* | |
| Week 1 | Chapter 1 Linear Functions |
| Week 2 | Chapter 2 Quadratic Functions |
| Week 3 | Chapter 3 Quadratic Functions and Complex Numbers |
| Week 4 | Chapter 3 Quadratic Functions and Complex Numbers |
| Week 5 | Chapter 4 Polynomial Functions |
| Week 6 | Chapter 4 Polynomial Functions |
| Week 7 | Chapter 5 Rational Exponents and Radical Functions |
| Week 8 | Chapter 5 Rational Exponents and Radical Functions |
| Week 9 | Chapter 6 Exponential and Logarithmic Functions |
| Week 10 | Chapter 6 Exponential and Logarithmic Functions |
| Week 11 | Chapter 7 Rational Functions |
| Week 12 | Chapter 7 Rational Functions |
| Week 13 | Chapter 8 Periodic Functions and Trigonometry |
| Week 14 | Chapter 8 Periodic Functions and Trigonometry |
| Week 15 | Chapter 8 Periodic Functions and Trigonometry |
| Week 16 | Chapter 10 Matrices |
| Week 17 | Chapter 9 Data Analysis and Statistics |
| Week 18 | Review and Exam |

**\*This is a tentative plan and may change at the discretion of the teacher.**

**Please sign below to acknowledge that you have received, read, and understood the syllabus.**

**Student name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Parent/guardian name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/guardian signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Parent/guardian, please provide two ways for me to contact you (email address, phone numbers):**

Parent/guardian Email:

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Parent/Guardian Phone number:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_