



## ***HONORS ALGEBRA2/STATS***

Melanie Turner:

Email: [mturner@madisoncity.k12.al.us](mailto:mturner@madisoncity.k12.al.us)

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### ***Course Description:***

This course provides a more in-depth treatment of algebraic concepts presented in Algebra 1 while introducing several higher-level topics. Quadratic equations function graphing, systems of equations and inequalities, and trigonometry are topics expanded in this course. 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.

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### ***Classroom Management Plan:***

#### **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**

See the district Policy on the FOCUS ACT

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### ***Grading Policy:***

Test grades will account for 70% of the 9-weeks grade, with the remaining 30% being determined by quiz/daily grades. The grading scale is as follows: A (90-100%), B (80-89), C (70-79), D (65-69), and F (below 65). Grades will be a reflection of mastery of the standards. Make sure all absences are excused as class work can be made up and graded for excused absences only. The final exam counts for 20% of the final grade.

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### ***Make-up Work Policy:***

Make up work should be made up within 3 days of the excused absence. If a student has been out an extended amount of time or if there are other circumstances, it is the students responsibility to talk with me to make a plan for make- up work. Wednesday during refuel is my designated make up day. Please note: per school policy all missed work will be given a grade of 0 until the work is made up.



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***Texts and Other  
Required Reading:***

Big Ideas Algebra 2 with Statistics, ISBN 13: 9781-1-64432-608-4  
DeltaMath

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***Materials and  
Supplies Needed:***

3 ring binder with paper                      Graph Paper  
TI-84 Graphing calculator suggested but not mandatory. We have a class set.

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***Make up tests/Tutoring &  
Test review***

### M. Turner's **Refuel Schedule**: 2025-2026

\*Open for make up tests/ tutoring & test review

<b>Monday</b>	Open*	<b>Except</b> 1st Monday of the month - Mu Alpha Theta Meeting
<b>Tuesday</b>	Closed	Duty 1st half, Leadership meeting 2nd half
<b>Wednesday</b>	Open*	Mu Alpha Theta Tutoring is in my room
<b>Thursday</b>	Check w/ me	<b>Open* every other Thurs</b> when there is no Student Government meeting
<b>Friday</b>	Check w/ me	<b>Closed Unless</b> there is no Math Department meeting



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<b>Algebra 2 with Statistics - 18 WEEK PLAN</b>	
<b>Week 1</b>	Linear Functions
<b>Week 2</b>	Quadratic Functions
<b>Week 3</b>	Quadratic Equations and Complex Numbers
<b>Week 4</b>	Quadratic Equations and Complex Numbers (Continued)
<b>Week 5</b>	Polynomial Functions
<b>Week 6</b>	Polynomial Functions (Continued)
<b>Week 7</b>	Rational Exponents and Radical Functions
<b>Week 8</b>	Rational Exponents and Radical Functions (Continued)
<b>Week 9</b>	Rational Functions
<b>Week 10</b>	Rational Functions (Continued)
<b>Week 11</b>	Trigonometric Ratios and Functions
<b>Week 12</b>	Trigonometric Ratios and Functions (Continued)
<b>Week 13</b>	Matrices
<b>Week 14</b>	Matrices (Continued)
<b>Week 15</b>	Data Analysis and Statistics
<b>Week 16</b>	Data Analysis and Statistics (Continued)
<b>Week 17</b>	Review
<b>Week 18</b>	Final Exam

**This syllabus serves as a guide for both the teacher and student; however, during the term it may become necessary to make additions, deletions or substitutions.**



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**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:

\_\_\_\_\_

Parent/Guardian Phone number:

\_\_\_\_\_