



ALGEBRA 2 WITH STATISTICS

Teacher Names: Jason Holt and Dr. Corey Winters
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Course Description:

Algebra II with Statistics builds essential concepts necessary for students to meet their postsecondary goals (whether they pursue additional study or enter the workforce), function as effective citizens, and recognize the wonder, joy, and beauty of mathematics (NCTM, 2018). In particular, it builds foundational knowledge of algebra and functions necessary for students to take the specialized courses that follow. This course also 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:

Classroom Management Plan

- Verbal reprimand
 - Conference with the student and the parent contact
 - Refuel Detention and parent contact
 - Referral to administration for consequences determined to be reasonable and appropriate by the school administration.
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MCCS District Grading Policy:

Test grades will account for 70% of each 9-week grading period, 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 reflect 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.

Make-up

Work/Test Corrections Policy:

Missing the review before the test does not exempt a student from taking the test on the previously announced date.

- 1) Students will need to schedule a make-up test with either teacher ASAP!
- 2) Any assignment or test missed due to an unexcused absence will receive a zero.



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- 3) Any student caught cheating will receive a zero. If homework is being copied, both parties will be held responsible (each will receive a zero).
- 4) It is the student's responsibility to get missed assignments from Schoology, a classmate, or the teachers.
- 5) The deadline to complete make-up work and test corrections for any test/unit will be posted on the board and shared with parents. Once the date for late work and corrections passes, the missing/failed assignments will no longer be accepted.

Retests:

A **retest** is available for any student who:

- 1. Completed **all independent practice** before the original test.
- 2. **Schedules a reteach/retest session** within **one week** of the test results being posted in **PowerSchool**.
- **Test Corrections:**
Students may complete test corrections for up to **half credit back**, with a maximum corrected score of **65%**.
 - 1. **Eligibility for Test Corrections:**
All **independent practice** assignments must be completed **before** test corrections can be done.

Texts and Other Required Reading:

Algebra 2 with Statistics by Big Ideas Learning

Materials and Supplies Needed:

Pencils or erasable pens
3-Ring Binder
Loose Leaf Notebook Paper (College Rule)
Graph Paper
Composition notebook
Scientific Calculator - Texas Instruments is more user-friendly
(Graphing Calculator is recommended if planning to take higher-level math)
Tissue



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Donations Appreciated: Our teaching style lends itself to being colorful and creative. We go through many colored pencils, highlighters, and colored pens.

Laptops

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. 5. **Students are expected to use their school-issued device.**

Accommodations

Requests for accommodations for this course or any school event are welcomed from students and parents. Both teachers are very knowledgeable in the differentiation of instruction for diverse learners

Passes Out of Class

Each student will receive 4 Bathroom/Homework passes for the semester. Students are responsible for keeping up with their passes. Students may **NOT leave the classroom during the first and last 15 minutes of the class.**

18 - WEEK PLAN*	
WEEK 1	Linear Functions
WEEK 2	Linear / Quadratic Functions
WEEK 3	Quadratic Equations
WEEK 4	Quadratic Functions / Complex Numbers
WEEK 5	Polynomials Functions
WEEK 6	Polynomial Functions



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WEEK 7	Radical Functions and Rational Exponents
WEEK 8	Radical Functions and Rational Exponents
WEEK 9	Exponential and Logarithmic Functions
WEEK 10	Exponential and Logarithmic Functions
WEEK 11	Rational Functions
WEEK 12	Periodic Functions and Trigonometry
WEEK 13	Periodic Functions and Trigonometry
WEEK 14	Periodic Functions and Trigonometry
WEEK 15	Data Analysis and Statistics
WEEK 16	Data Analysis and Statistics
WEEK 17	Matrices
WEEK 18	Finals



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*** 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.**

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:
