

**James Clemens High School**  
11306 County Line Road  
Madison, AL 35756



**Teacher: Ms. Katie Carpenter**

Room: C205

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## **Algebra 2 with Statistics (with Workshop)**

Course Syllabus - Fall 2021/Spring 2022

### **Course Description:**

Algebra 2 with Statistics (with Workshop) 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.

### **Course Objectives:**

Course objectives can be found at:

<https://alex.state.al.us/standardAll.php?subject=MA2019&cocode=AL2-19&summary=3>

### **Classroom Rules and Expectations:**

- Be respectful of yourself and everyone in class at all times.
- Be prepared for class every day as soon as the bell rings. This includes having everything you may need for class - materials, homework, etc.
- Arrive on time. Any late arrivals will need to obtain a tardy slip before being permitted to class.
- Pay attention, participate and ask questions. Stay engaged with class.
- Do your best work and turn it in on time. Any assignments turned in late will have points deducted, unless it was for an excused absence.
- No phone zone. Phones will not be permitted during class unless there is an academic reason. Students are expected to keep their phones out of sight and silent.
- Food, drinks and gum are not allowed in the classroom. ONLY WATER is allowed for drinking.
- Headphones are not permitted during class, unless otherwise directed.
- On test day, smartwatches will not be permitted and must be out of sight and silent.

### **Classroom Consequences**

If you choose to not follow classroom rules, then you will receive consequences for your behavior. They will be as follows:

1. Warning
2. Detention during Refuel
3. Detention and Parent Contact/Conference
4. If you continuously choose to not follow classroom rules, then an administrator will be contacted as well as a parent conference.

*\*Note: Depending on the nature of the rules not followed, Ms. Carpenter may escalate consequences to the proper level.*

### **Course Materials:**

- 3-ring binder (2 inch)
- Dividers (5 tabs)

- Loose-leaf paper (college-ruled preferred)
- 3-hole graph paper
- Pencils
- Protractor & Compass
- Calculator (*TI-84, TI-30X, TI-34X, TI-36X are all good*)

**Textbook:**

- Big Ideas Math: *Algebra 2 with Statistics*

**Online Resources:**

- Classroom Resources
  - Powerschool
  - Schoology
- Content Resources
  - Big Ideas Math
  - Khan Academy
  - Desmos: <https://www.desmos.com/>

**Grading Policy:**

For each 9 weeks: tests count towards 70% of grade and daily assignments (homework, participation, warm-ups, bell work, quizzes, etc.) count towards 30% of grade. The final exam counts for 20% of the final grade. Although grades will appear in both Schoology and PowerSchool, the only grade that will matter is PowerSchool. I encourage you, parents and students, to check PowerSchool regularly.

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.

NOTE: Cheating and plagiarism of any kind are never tolerated. The academic misconduct policy of the school will be followed in this course. Assignments that are turned in late will have points deducted. Any student who receives failing grades during this course is encouraged to meet with me and to discuss this with me so we can devise a plan for improvement.

**Make-Up Tests Policy:**

Make-up tests will be given for excused absences only. Students must make arrangements with the teacher, and the make-up will be administered on a date to be announced. If the make-up day is missed without prior approval, then the missing grade will automatically remain a zero.

**Accommodations:**

Requests for accommodations for this course or any school event are welcomed from students and parents.

**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. Whenever laptops and/or other electronic devices are permitted, it can **only** be used for educational and classroom purposes.

**36 Week Plan**

Week 1	Review
Week 2	Chapter 1
Week 3	Chapter 1
Week 4	Chapter 1
Week 5	Chapter 1/Chapter 2
Week 6	Chapter 2
Week 7	Chapter 2
Week 8	Chapter 2
Week 9	Review
Week 10	Chapter 3
Week 11	Chapter 3
Week 12	Chapter 3
Week 13	Chapter 4
Week 14	Chapter 4
Week 15	Chapter 4
Week 16	Chapter 5
Week 17	Chapter 5
Week 18	Review
Week 19	Review
Week 20	Chapter 6
Week 21	Chapter 6
Week 22	Chapter 6
Week 23	Chapter 7
Week 24	Chapter 7
Week 25	Chapter 7
Week 26	Review

Week 27	Chapter 8
Week 28	Chapter 8
Week 29	Chapter 8
Week 30	Chapter 9
Week 31	Chapter 9
Week 32	Chapter 9
Week 33	Chapter 10
Week 34	Chapter 10
Week 35	Review
Week 36	Review

*\*The 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. Adequate notice will be provided to students of any necessary changes.*