

North Cobb High School Course Syllabus Statistical Reasoning

About this course

Statistical Reasoning is a fourth-year credit math course that is designed to follow the completion of Algebra 1, Geometry, and Algebra 2. The course will provide experiences to explore real-world math applications, design statistical models, and discover methods to investigate problems. Students will be given opportunities to work individually and collaboratively to strengthen their methods of inquiry and critical thinking skills

Throughout the semester students will formulate statistical questions to be answered using data, design and implement a plan to collect the appropriate data, select appropriate graphical and numerical methods for data analysis, and interpret their results to make connections with the initial question.

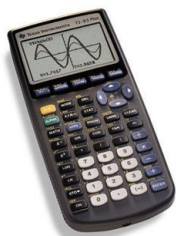
Contact Information

Feel free to contact me anytime. My e-mail address is Natalie.Hise@cobbk12.org or contact me through CTLs.

Materials and Resources

Students who are organized and adequately prepared for class will find the greatest chance for success. Please bring a 3-ring binder, pencils and erasers, highlighter, loose-leaf paper, and a **graphing calculator**.*

***Graphing calculators are required for success in this course. Many statistical functions are taught with the use of the calculator only. Please select a TI-83, or TI-84 model.**



Several online graphing calculators can be found on the web:

<http://wabbitemu.org>

Wabbitemu creates a Texas Instruments graphing calculator right on your Windows, Mac, or Android device. Visit the webpage and follow the provided instructions if you have a compatible device.



Grading System

Grades will be divided into two categories: Formative and Summative assignments. *Subject to change

Category	Formative Assignments (e.g. quizzes, research studies, and experiments)	Summative Assignments (e.g. unit tests and projects)	Total
Weight	35%	65%	100%

Classwork & Homework

Homework will be checked for completion at the beginning of class daily. A grade of 0, 50, or 100 will be assigned based on the level of completion. Homework will be entered in the gradebook as one QUIZ grade per unit and will be an average of the completion for that unit. All homework must be turned in before the Unit Test is completed. **NO HOMEWORK will be accepted after the completion of the corresponding unit test.**

How to be successful in my class

- Please come to class on time and prepared to learn. Keep up with your assignments on a timely basis. Do not wait until the day before the test to get help! Be respectful of the learning environment and courteous to all other students. Sleeping, text-messaging, and music devices are prohibited. Respect yourself, classmates, teachers, property, and school rules.
- It is standard practice in the math classroom for students to **show their work!** Answers alone are unacceptable. Students must be able to justify their solutions and teachers must be able to assess students' understanding, therefore all steps (or a written explanation) must accompany each problem.
- Your answers to homework, quizzes, and exams must be your own work (except for assignments that explicitly permit collaboration).
- You may not share your solutions to homework, quizzes, or exams with anyone else unless explicitly permitted by the instructor. This includes anything written by you, as well as any official solutions provided by the course staff.
- You may not engage in any other activities that will dishonestly improve your results or dishonestly improve or damage the results of others.

Extra Help/ Tutoring

Extra help and tutoring will be offered during dedicated office hours.

Digital Learning Norms

1) Participate: Check CTLS and your e-mail every day. Complete lessons and assignments within the given time frame. Attendance will be taken each class.

2) Engage: You must contribute to class discussions and participate in class activities. A shared learning environment is only effective if everyone involved works collaboratively. DO not wait until the last day to seek help.

3) Help Others: The benefit of interactive education is that students can act as additional facilitators and learn from one another. No one is an expert in all-things technology. If you find that you have more experience than others in using online learning tools, you are encouraged to help other students – you might need help later. We are in this together!

4) Strike a balance: Find time away from your screen throughout the day to separate your school and home life. Set up a space dedicated for your schoolwork that allows you to focus without distractions.

5) Respect: Our virtual classroom is a safe space for people of all races, genders, sexes, ages, sexual orientations, religions, disabilities, and socioeconomic statuses. Derogatory and sarcastic comments and jokes that marginalize anyone are fundamentally unacceptable. Offensive language—or language that could be construed as offensive—should be avoided at all times.

6) Live sessions: Join the live session on time – we will begin without you. Silence all personal devices and mute your microphone upon entering. Be prepared with pen/pencil and paper in hand.

