



# NC Math 4



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**Class Description:** NC Math 4 provides students an overview in studies of functions, statistics and probability. Appropriate technology, from manipulative to calculators and application software, will be used regularly for instruction and assessment. This course includes but is not limited to the following goals such as data analysis, probability and algebra. The learner will analyze different types of data and apply probability and/or statistical concepts to solve problems. The learner will also use functions to model and solve problems.

### **Class Rules:**

1. Follow all WCHS school rules
2. No phones or headphones should be used unless the teacher has given permission.
3. NO SLEEPING! Participation is key to learning.
4. Be respectful of others and your Chromebook.
5. Write it down! You should be using your Math 4 Toolkit Notebook every single school day. I will check this notebook throughout the semester as a Quiz Grade.
6. Be prepared for class everyday

### **Required Materials:**

- Spiral Notebook specifically for Math 4
- Pencils
- Colorful pens
- Headphones that will connect to your Chromebook
- Water Bottle
- Scotch Tape

### **Classroom Donations are greatly appreciated!**

- Boxes of Tissue
- Hand sanitizer (pump)
- Colorful Copy Paper
- Boxes of Pencils
- Highlighters
- Dry Erase Markers

**Grading:** Quarter 1 is 40% of your grade and Quarter 2 is 40% of your grade. There is not a state test at this time. **There will be a Teacher Made Final Exam that is 20% of your grade.**

### **Grading Scale:**

- A. 100-90
- B. 89-80
- C. 79-70
- D. 69-60
- F. 59-0

## **Course Weights:**

	Regular	Honors
Formal (Test, Quiz, Project)	60%	60%
Informal (Casswork, Delta Math, ALEKS...)	40%	40%

**Test Corrections:** If you want to recover a low test grade, you will be required to finish the practice from the unit first. An opportunity to improve your grade will be available on ALEKS.

**Make-up Work:** Work needs to be turned in by the due date. If you have an extenuating circumstance please let me know. You have to reach out to me by email or phone if you need extra time. Work is considered late if it is turned in after the unit test. *Late work will be accepted for half credit in Regular Classes only. If you want credit after the unit test fill out the late work google form.*

**Canvas:** This application will be the most important website we use in my class. Everyday will be outlined so students can log in and keep up with all events and assignments for NC Math 4 through this application. Parents can also create an account and follow along with their student. The application can be found on the West Cabarrus High School Homepage; students can click on the icon and log in with their school email and password, parents will click on the icon and in the top right corner click on “Are you a parent?” Also, if you were wondering, *yes, there is an app for that!* You can download the app on any smartphone.

**Online Practice:** We will practice math daily using various math websites. ALEKS (**A**ssessment and **L**earning in **K**nowledge **S**paces), Delta Math, Quizizz and NearPod will be used the most often. You are responsible for keeping track of all login information.

**Cheating:** Cheating on assignments, quizzes, or tests will result in a 0/F and a discipline referral.

## **Course Topics:**

- Prep for specific topics for the ACT and review of the standards from NC Math 3 to assist in the prep work
- Create and use simulations to make educated inferences about a set of data to perform statistical analysis
- Summarize and analyze univariate data to solve real-world problems
- Use theoretical and experimental probability to model and solve problems
- Use logarithmic (common/natural) functions to model and solve problems; justify results
- Use piecewise-defined functions to model and solve problems; justify results
- Use trigonometric functions to model and solve problems; justify results

## **PARENTS:**

Please reach out to us if you have any questions or need to contact us. We know this is a difficult time for families. We would love to hear from you and your students!

Please check your student's grade once a week.

Let's have a successful year!

**Please fill out the Student Information Form Before 8/27/21**