

Math 4 Syllabus

Fall 2020-2021

Instructor	Madeline Tetterton	Phone	(336) 862-6870 ext.67134
Room	J-36	Email	mtetterton@randolph.k12.nc.us
Need Tutoring?	Mondays and Thursdays 3:15-4:15 After school in my room	Ms. Tetterton's Planning Time	3 rd Block
		Office Hours	Monday – Friday 7:45 am – 4:00 pm Google Meets scheduled on Wednesdays 10:30 am – 11:30 am

Welcome to Ms. Tetterton's Math 4 class! I am so excited for this new year. It will be a challenging one, but I know we can all make it. I know **you** can succeed in my class and I look forward to this next semester together!

Materials

1.5 or 2-inch 3 ring binder
Notebook Paper
Pencils (No Pens Allowed)
Composition Book – College Ruled

Classroom Expectations

- ✓ Be Respectful
 - Use appropriate language in class (i.e. no swearing or name calling)
 - Listen while I am teaching (i.e. during notes or giving directions)
 - No earphones/headphones worn in class unless given permission
 - Others are trying to learn; do not interfere with their instructional time
- ✓ Be Responsible
 - Be prepared with your supplies out and ready when the bell rings
 - Be ready and willing to learn; if there is time to work, please do so
 - Be in your seat when the bell rings
 - Make sure you take and leave everything that you need
- ✓ Be safe
 - Put your bags in the seat to the right of you out of the walkways
 - Keep your hands to yourself
 - Maintain social distancing (6 feet apart where possible)
 - Keep your masks on unless you are eating (breakfast before 1st block) or drinking (water)

Restroom Policy

- ✓ Use the restroom between classes. If you get to class before the bell rings, you may still use the restroom. In this case, you will not be tardy IF you let me know where you are going.
- ✓ During class, you may take the hall pass to go to the restroom. However, only one student is permitted to leave at a time.
- ✓ The first 15 and last 15 minutes of class no one is allowed to go to the restroom.

Tardiness

- ✓ Students must be past the door by the time the bell rings to be considered on time.
- ✓ You will be marked tardy if you enter the classroom after the bell rings.
- ✓ It is your responsibility to get to class on time.
- ✓ Consequences for being tardy follow the THS Student Code of Conduct:

1 st & 2 nd	Warning		7 th & 8 th	5 lunch or afterschool detentions
3 rd	1 lunch detention		9 th	1 day of ISS
4 th	2 lunch detentions		10 th	3 days of ISS
5 th	3 lunch detentions		11 th	5 days of ISS
6 th	4 lunch detentions		12+	1 day of Intervention Center and the revocation of driving privileges for 1 week, or an equivalent consequence as deemed by an administrator.

Grading

Grading Scale

- A** 90 – 100%
- B** 80 – 89%
- C** 70 – 79%
- D** 60 – 69%
- F** 59% and below
- I** Incomplete

Breakdown

- Classwork/Homework 25%
- Participation 25%
- Quizzes 25%
- Tests 25%

Each Semester

- Quarter Grade 37.5%
- Quarter Grade 37.5%
- Final Exam Grade 25%

Classwork/Homework: This consists of 25% of your quarter grade.

- Warm-ups will be submitted every other week for a grade. This will be a daily routine (even when you are remotely learning).
- Points will be awarded if homework/classwork is attempted with work SHOWN!

5 points	4 points	3 points	2 points	1 point	0 points
All work is shown for every problem.	All work is shown for $\frac{3}{4}$ of the problems.	All work is shown for $\frac{1}{2}$ of the problems	All work is shown for $\frac{1}{4}$ of the problems.	Missing almost all of the work.	Turned in late or not at all.

Participation: This consists of 25% of your quarter grade.

- During In-person Learning Days, you will complete a journal entry at the end of the class period.
- During Remote Learning Days, you will complete a sheet that will be put into your journal and turned in when you return to class.

Quizzes: This consists of 25% of your quarter grade.

- Quizzes will almost always be announced beforehand
- There will be no make-up quizzes, except in certain cases. Those cases include: You were out the day before/when we learned the material or you were out the day of the quiz. All quiz make-ups must be done within a week of you returning to class, unless in extenuating circumstances.

Tests: This consists of 25% of your quarter grade.

- The day of the test will always be announced beforehand.
- Test corrections will be possible. They will need to be corrected as soon as possible. Every question that is corrected (correctly) will receive $\frac{1}{3}$ of the points available. (i.e. If the question is worth 3 points and you miss it the first time; if you fix it correctly during test corrections, you will receive 1 point back on the test)

Your Final Exam is worth 25% of your final grade. It will be a teacher-made exam.

Cheating

If there is any evidence of cheating, you will receive a zero for that work and will not be allowed to make it up. Your parent/guardian will be notified concerning your conduct.

Cheating consists of:

- Copying another student's work
- Taking a picture of material to try to use on an assessment
- Leaving work out where you or other students may view it during an assessment
- Having another student complete your work
- "Helping" another student complete an assessment

Because of remote learning, evidence of cheating may be limited. However, I do expect you to complete **YOUR** own work and not copy someone else's work. Cheating benefits no one. Assignments are meant to improve your learning and understanding of mathematics. You cannot do this if you don't do your own problems.

Cell Phones

There will be a sanitized place for you to keep your cell phone during class so that it is not a distraction to you or anyone else.

Absences

It is the student's responsibility to find out what was missed and to turn in any missing work within a week of them returning to class. If you were absent on a review day, you will NOT be excused from taking the test! It is your responsibility to get notes and work for the day(s) you missed.

Course Description

The primary focus of Math 4 is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry, and statistical concepts previously seen in NC Math 1-3. This course is designed to be an introductory course to statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions. In many cases, undergraduate students majoring in non-STEM fields will take an entry-level Algebra or Introductory Statistics course. Students will be prepared for these college level courses and use it as a bridge to be prepared for Pre-calculus or other advanced math courses.

<p style="text-align: center;">Functions</p> <ul style="list-style-type: none">➤ Compose Functions➤ Algebraic, Graphical, Tabular Representations➤ Piecewise Functions and Word Problems➤ Regression ModelsResiduals/Residual Plots	<p style="text-align: center;">Trigonometry</p> <ul style="list-style-type: none">➤ Law of Sines➤ Law of Cosines➤ Trigonometric Identities➤ Key Features of Sine/Cosine Models
<p style="text-align: center;">Logarithms</p> <ul style="list-style-type: none">➤ Properties of Logarithms➤ Solve Logs Algebraically➤ Logarithmic Word Problems➤ Key Features of Logarithms	<p style="text-align: center;">Statistics</p> <ul style="list-style-type: none">➤ Sampling Methods➤ Real-World Problems➤ Construction and Design➤ Confidence Intervals➤ 1-proportion z-test
<p style="text-align: center;">Probability</p> <ul style="list-style-type: none">➤ Discrete Distribution➤ Binomial Distribution➤ Normal Distribution	<p style="text-align: center;">Number and Quantity</p> <ul style="list-style-type: none">➤ Complex Numbers➤ Matrices➤ Vectors