

# Mathematics II

Mr. Wurst – Room 14 christopherwurst@ccs.k12.nc.us Planning is 1<sup>st</sup> bell from 8:30 -10

Welcome to Mathematics II! I am very excited for this school year. I hope you are as well. Math II is second in a series of integrated mathematics. Math II provides students with more in-depth knowledge of algebra, as well as geometry topics. Students will also extend their knowledge of various functions and probability. Applications and modeling will be included throughout the course of study. Appropriate technology will be used regularly for instruction and assessment.

## Syllabus

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
-Rational and Irrational Numbers	-Powers, Roots, and Radicals	-Lines and Angles	-Introduction to Probability
-Operations with Polynomials	-Function Operations	-Triangle Theorems	-Review NC Final Exam
-Linear Functions	-Square Root and Cube Root Functions	-Triangle Congruence	
-Quadratic Functions	-Radical Equations	-Coordinate Geometry	
	-Direct, Inverse, and Joint Variation	-Transformations	
	-Rational Equations	-Similar Figures (Dilations)	
	-Linear/Non-Linear Systems	-Right Triangles	

## Rules

1. **Stay positive.** (No horse playing, negative comments or jokes.)
2. **Stay busy.** (Come to class on time. Work begins when you enter the classroom not when the tardy bell rings. Work ends when I dismiss you.)
3. **Stay humble.** (Raise your hand to ask permission.)
4. **Stay clean.** (Keep the aisles clear. Do not write on desks. Put trash and recyclables in their correct container.)
5. **Stay focused.** (Follow directions the first times they're give. No phones unless instructed otherwise. Maintain academic integrity, no cheating.)
6. **Stay respectful.** (Show respect to your fellow classmates, your teacher, and any guests that may enter the classroom at all times.)
7. **Stay motivated!** (Ask for help when needed with difficult topics or problems that are giving you trouble, I as your teacher am here to help.)
8. **Stay responsible.** (Always return classroom materials to the area they are designated to when you are done with them at the end of class.)

## Discipline Plan

My discipline plan will follow the rules of FTS. They generally consist of the following:

- 1<sup>st</sup> time...warning/conference with student.
- 2<sup>nd</sup> time...contact parent.
- 3<sup>rd</sup> time...office referral

<b>Materials Required</b>		<b>Suggested Materials</b>	
3 Ring Binder or Spiral Notebook		Colored Pencils	
Loose-leaf paper		TI-84 Plus for use at home	
Pencil			
<b>Grading Policy</b>		<b>Final Grade Policy</b>	
Homework/Classwork	30%	Midterm Average	40%
Quizzes	30%	Second Term Average	40%
Tests	40%	Final Exam	20%

***Tutoring is available Tuesday and Thursday mornings from 7:30 to 8:05, students must provide their own transportation***

**Make-up work:** It is the student's responsibility to get work and notes missed due to an excused absence. Excused absences include doctor's appointments (must turn in a doctor's note), school approved field trips, or funeral. If a student plans to be absent for any other reason, they need to arrange to get their work ahead of time so that they can turn it in the day they return. Assignments and notes will be posted on Google Classroom. Any handouts will be located in the student's class folder. Students have 3 school days to turn in make-up work.

*Please encourage your students to be responsible for his/her learning. Attendance, class participation, completion of assignments and daily study is a must. I am here to help. Please do not hesitate to contact me at any time. Please sign below to indicate your understanding and support of the classroom system.*

Student Signature \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_

Parent/Guardian Phone Number: \_\_\_\_\_

Parent/Guardian email: \_\_\_\_\_