

# Mathematics III

Mrs. Best – Room 224

tonibest@ccs.k12.nc.us

Welcome to Mathematics III Honors! I am very excited for this school year. I hope you are as well. Math III is third in a series of integrated mathematics. Math III provides students with more in-depth knowledge of algebra, geometry, statistics as well as trigonometry 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 from manipulatives to calculators and applications software, will be used regularly for instruction and assessment. Mathematics III Honors addresses topics at a more comprehensive level. Additional topics, seminars, and projects with real world applications are included.

## Syllabus

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Quadratics	Sequences and Series	Trig Graphs and Identities	Conic Sections
Polynomials	Lines and Angles	Linear and Absolute Value Equations and Inequalities	Statistics
Radical and Rational Equations	Triangles and Similarity	Domain, Function Operations, and Inverse	Review and NC Final Exam
	Parallelograms and Properties of Circles	Systems of Equations and Linear Programming	
	Trigonometry in the Coordinate Plane	Functions and Their Graphs	
		Logarithms	

## 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.)

## Discipline Plan

My discipline plan will follow the “6 Expectations of Reid Ross Classical School”. 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...contact parent and lunch detention.
- 4<sup>th</sup> time...contact parent and after school detention.
- 5<sup>th</sup> time...inform parent of referral to administration.

Materials Required	
Loose-leaf paper Spiral Notebook Or 3 Ring Binder	Personal Device* <i>*Your device is to be used for educational purposes only and at designated times. Any other use is grounds for collection of device.</i>
Pencils Color Pencils, Markers, Highlighters** <i>**These items are only required if you do not want to use the class set.</i>	TI-84 Plus (provided in class)

Grading Policy		Final Grade Policy	
Homework/Classwork	30%	Midterm Average	40%
Quizzes	30%	Second Term Average	40%
Tests	40%	Final Exam	20%

***There will be at least two tests, and four quizzes per quarter.***

***Tutoring is available Tuesday and Thursday 7:30 – 8:10 am or after school by appointment.***

**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.

**Class Points:** Class points will be recorded in Class Dojo. Together the students will set goals and rewards for the points. Points are based on student behavior, participation, and adherence to class policy.

*Please encourage your students to be dedicated to mastering any subject. Encouraging your child to be responsible for his/her learning will greatly improve their performance and their attachment to education. Attendance, class participation, completion of assignments and daily study is a must. I am here to help. Please do not hesitate to call or email 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 & Email:

---