Honors Math 3 Syllabus

This course is designed so that students have the opportunity to expand their knowledge from Honors Math 2. The Honors Math 3 course will expect students to engage in higher-level problem solving and be responsible for their learning. Students will broaden their repertoire of functions to include absolute value, cubic, exponential, logarithmic, polynomial, and rational functions. Students will bring together all of their experience with functions and geometry to create models and solve contextual problems. They will deepen their study of right triangle trigonometry to include the study of trigonometric functions to model simple periodic phenomena and the unit circle. Finally, students will apply methods from statistics to draw inferences and conclusions from data. Appropriate technology and tools, including manipulatives and calculators, will be used regularly for instruction and assessment. The delivery of this course stresses real-life applications and developing mathematical literacy and problem-solving strategies. This course fulfills the North Carolina high school graduation requirement for Math 3.

COURSE SCHEDULE

This course covers the given units in the following order. The times given are suggestions plus or minus days at the discretion of the teacher. Due to the rigor of this course time constraints may vary according to the needs of the students.

1-	**Functions**	Semester: 10 days
2-	**Inverses, Exponentials, and Logarithms**	Semester: 9 days
3-	**Polynomial Functions**	Semester: 10 days
4-	**Rational Functions**	Semester: 7 days
5-	**Circles**	Semester: 10 days
6-	**Trigonometric Functions**	Semester: 10 days
7-	**Two-Dimensional Geometry**	Semester: 8 days
8-	**Three-Diemensional Geometry**	Semester: 8 days
9-	**Statistics**	Semester: 8 days

NEEDS AND RESOURCES

Required Materials
To successfully complete this course, you will need
- Notebook Paper
- Pencils
- 3 ring-binder or 3-subject spiral bound notebook with pockets

Online Resources
- Mrs. Lanning's Weebly
- Schoology
- Brain Genie
- iO testing
- Discovery Education

POLICIES AND PROCEDURES

Classroom Expectations:
- Students are expected to be in class and ready to work when the tardy bell rings.
- Students are expected to come to class prepared (notebook, pencil, book, and homework).
- Students are expected to respect others and their property.
- Students are expected to follow the school policies and rules.

All cellphones are expected to be off and stored in book bag and/or purse unless being used for a teacher-approved activity. All cellphones will be collected and stored during unit test days. Music may be listened to during independent non-testing/non-instructional times. Ask before you listen. Drinks with a closed lid are allowed. Gum is allowed as long as you don't blow bubbles, smack, throw, or put under the desk. Food is allowed as long as the classroom remains clean.

GRADING SCALE AND POLICIES

Grading Scale: A: 90-100
B: 80-89
C: 70-79
D: 60-69

Grade Calculations for each Quarter:
Tests/Projects: 50%
Quizzes: 25%
Classwork/Graded Homework: 20%
Daily Homework: 5%

- There will be at least 1 cumulative test per unit. Each unit test will include material from previous units throughout the course.
- Any student who scores below 90 on any unit test will be allowed 1 retest for a maximum score of a 90.
- If corrections are offered, any student may receive half credit back for every question corrected.
- Retest/Corrections can only be completed if **all unit assignments** are complete.
- The only time limitation for retests will be quarterly report cards. No grades will be changed after report cards are finalized.

Final Grade Calculation:
Semester 1: 40%
Semester 2: 40%
Final Exam: 20%

Make-Up & Late Work Policy

- Students are expected to complete all make-up work in a time frame that is equivalent to 1 day more than days absent.
- All work is expected to be turned in on time.
- Any student who turns in a graded assignment early will receive 5 bonus points to the final score on the assignment.
- Any student who turns in a graded assignment late will have 20 points deducted from their score.

CONTACT INFORMATION

- Ashley Lanning
- 704 – 857 – 1161 ext. 400123; (Before or after school; planning time: 12:30 – 2:00)
- lanninap@rss.k12.nc.us or Ashley.Lanning@rss.k12.nc.us
- website: www.ashleylanning.weebly.com
- Text # for Reminders: 81010   Code for Honors Math 3: @hmath3srhs

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Parent & Student Acknowledgement Form

I have read Mrs. Lanning's syllabus for Honors Math 3 and located Mrs. Lannng's Webpage. I understand the policies and procedures for this course.

Print Student Name: _____

Student Signature: _____ Date: _____

Student Email: _____

Print Parent/Guardian Name: _____

Parent/Guardian Signature: _____ Date: _____

Parent/Guardian Email: _____

Parent/Guardian Phone Number: _____

Questions/Comments: