NC Math 3 Course Syllabus

Randleman High School

Teacher: Wayne Holyfield

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Course Pre-requisites (if applicable): successful completion of NC Math 2

Course Description: NC Math 3 continues students’ study of advanced algebraic concepts including functions, polynomials, rational expressions, systems of functions and inequalities, trigonometry, statistics, and probability. Students will be expected to describe and translate among graphic, algebraic, numeric, and verbal representations of various mathematical modeling and use those representations to solve problems.

Required Supplies:

Three ring binder or notebook (may be used for other subjects), loose-leaf notebook paper, Pencils

Optional Supplies:

Glue Stick, Dry Erase Markers, Color Pencils, 12” ruler, Graphing Calculator (TI-nSpire CX, one will be provided during class, but cannot be taken home.)

Grading Policy: Grading Scale:

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| --- | --- |
| Major Assessments 60% | 90 – 100 A |
| (tests, quizzes, projects) | 80 – 89 B |
|  | 70 – 79 C |
| Minor Assessments 40% | 60 – 69 D |
| (classwork, homework) | Below 60 F |

Classroom Policies and Guidelines

1. Let’s all be respectful of ourselves, others, all teachers, and school property.
2. When the tardy bell rings, you should have your calculator and all the required materials to begin class.
3. Cheating on any assignment results in a 0 grade for all students involved.
4. Cell phones, air pods, ear buds, headphones, and other electronic devices should not be seen or heard during class. Watching videos, listening to music, playing games, etc. on your cell phone during class is a distraction and not allowed during class.
5. When you are absent, you will receive a copy of the classwork assignments when you return. Absentee work is due by the same number of days you were absent.
6. To keep expectations and standards high, you must show your work to all assigned math problems. Homework and projects are due on the due date they are assigned. If a completed assignment is one day late, credit will be given based on a 10-point deduction per day policy beginning with a grade of an 89.
7. Tutoring is available by request. Please email me to schedule tutoring.
8. Restroom breaks are given using the 20/20 rule. No student may leave the classroom during instruction or class notes. When you are given permission to leave you must sign out and take the hall pass.
9. Dress Code: no holes above the knee, no tank tops (no bare shoulders), no short shorts (no shorter than 6 inches above the knee).
10. No food, drinks, candy, or gum is allowed in the classroom. Any food or drinks brought into the classroom must be consumed before the tardy bell rings or placed on the calculator table. Bottled water is ok to have at any time.
11. We will be using the Desmos Graphing Calculator app throughout this course. This is the same graphing calculator that will be used on the final exam.

Sequence of Assignments and Academic Calendar: Homework assignments will be given daily. There will be a quiz and test for each unit. Projects will be assigned, one per 9 weeks. A midterm exam will be given. All students will be required to take the NC Math 3 EOC assessment which counts as 25% of their final grade.

Tentative Course Pacing Guide:

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| Unit 1: Functions and Their Inverses | Unit 5: Rational Functions |
| Unit 2: Exponentials and Logarithmic Functions | Unit 6: Reasoning with Geometry |
| Unit 3: Polynomial Functions | Unit 7: Trigonometric Functions |
| Unit 4: Modeling with Geometry | Unit 8: Statistics |