

Reid Ross Classical High School
Math III Course Syllabus
Fall 2016 Semester

Instructor: Ms. Donna Wiles

Google Classroom Code: inyed67

Instructor Planning: 2:00 - 3:30

Room Number: 225

Email: donnawiles@ccs.k12.nc.us

School Phone Number: 910-488-8415 x3225

Course Description: Math III progresses from the standards learned in Math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles.

Honors: This section is for those students with an honors designation. "Honors Mathematics courses are intended to be more challenging than standard courses and provide multiple opportunities for students to take greater responsibility for their learning. Honors Mathematics courses should be distinguished by a difference in the quality of work expected rather than merely by the quantity of work required...the rationale for honors courses is not to provide a means to attract students to enroll in classes for additional credit, but rather to offer challenging, higher level courses for students who aspire to an advanced level of learning. Furthermore, students and parents should be informed that Honors Mathematics courses are more demanding and have requirements beyond those of standard Mathematics courses." - An excerpt from the North Carolina Department of Public Instruction concerning Honors Mathematics Courses.

For example, an incorrect answer on an assignment or test for a Math III student may be a 3 point reduction, while at the same time an incorrect answer on a test a Math III Honors student may be a 4 point reduction.

Contact Information: The most effective method of communication for parents, guardians and students is via email. I will reply within 24 hours. Conferences are scheduled by appointment only. The most timely class information is available on Google Classroom (assignments and supplementary materials) and through the Student/Parent Portal (grades).

Class Materials:

- 3-ring Binder and Supply of lined and graph paper
- Pencils with erasers
- Algebra 2 & Geometry textbook - assigned to student
- TI-84 Plus Graphing Calculator is provided in class, an app (wabbitemu - for android or desktop) or like calculator for use at home is highly recommended.
- Highlighters/Colored Pens/Pencils (not required)

Please consider donating the following items to the classroom at any time. I try to keep supplies on hand as they are often needed.

- Tissue
- Paper towels
- Clorox wipes
- Hand sanitizer

- Extra pencils/paper

Policies and Procedures:

- Be respectful at all times.
- Be on time to class. Tardiness will be handled in accordance with RRCS tardy policy.
- Follow RRCS uniform guidelines at all times. See the RRCS Uniform Guidelines for specifics.
- The use of personal electronics is not acceptable without permission and then only for educational purposes.
- Students are sometimes expected to view instructional videos prior to class and they continue to be available throughout the course as needed. Computer and internet access is a recommended. Please contact me immediately if other arrangements need to be made.

Grading Categories:

Final Grade:

Classwork/Homework	30%	Semester 1 Average	40%
Quizzes	30%	Semester 2 Average	40%
Tests/Projects	40%	Final Exam	20%

FAQs

- **HW/Math Lab** is available after school Tuesday & Thursday, 3:45 - 4:30. Students may work on ANY homework during this time. Math **tutoring** is available during this time. Before school HW/Math Lab time may be available upon request. A “working” lunch may be utilized if needed or requested.
- Students may be required to complete alternate assignments for any missing or makeup work when the original due date is past.
- Some assignments may be corrected for additional credit equal to ½ the missed points.
- One re-test per grading period may be taken during tutoring hours. The higher grade is recorded.
- Students will be given 3 days to complete work missed due to an excused absence. It is the student’s responsibility to request and complete all assignments.
- Turning in assignments late is discouraged. A 10% penalty may be assessed to any late assignment.

Course Outline (days are estimates)

1st Quarter

Quadratics (11 days)

Polynomials (8 days)

Radical and Rational Equations (5 days)

2nd Quarter

Sequences and Series (2 days)

Lines and Angles (3 days)

Triangles and Similarity (4 days)

Parallelograms and Properties of Circles (4 days)

Trigonometry in the Coordinate Plane (5 days)

Midterm Exam

3rd Quarter

Trigonometric Graphs and Identities (5 days)

Linear and Absolute Value Equations and Inequalities (3 days)

Domain, Function Operations and Inverses (3 days)

Systems of Equations and Linear Programming (4 days)

Functions and Their Graphs (5 days)

Logarithms (4 days)

4th Quarter

Conic Sections (3 days)

Statistics (8 days)

Review and NC Final Exam (13 days)