

Frank McClarin High School

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Anita Marie Lee, Principal
Shadelle Denson, Assistant Principal
Sabrina Richardson, Administrative Assistant

Stella Wilson, Counselor
Emory Fears, Counselor
Detra Burrell, Graduation Coach



Tutorial by appointment only

COURSE SYLLABUS 2008-09

Algebra III

Second Semester

School: Frank McClarin High School
Teacher: Mr. Joel N. Bohannon, Sr.
Telephone: (404)669-8080 ext: 213

Department: Mathematics
Room: 201
E-mail: bohannonj@fultonschools.org

Course Description: Algebra III will provide the student with an understanding of numbers, ways of representing numbers, relationships among numbers and number systems. The student will solve problems using graphs of linear, polynomial, rational, logarithmic, and exponential equations. Recognizes the inverse relationship between logarithmic and exponential functions and sketches their graphs. The calculator will be used to evaluate trigonometric ratios. The six trigonometric functions will be defined by ratios from angles at a point (x,y). The student will perform basic matrix operations, determine inverse matrix, and use patterns and models to determine arithmetic and geometric sequences.

Textbook: ALGEBRA AND TRIGONOMETRY. Houghton Mifflin Company 2001 (5th ed.). \$69.30

Content Topics	Chapters	~Teaching Time	Timeline
1. Exponential and Logarithmic Functions	5	14	1-14
2. Trigonometry	6	13	15-27
3. Systems of Equations and Inequalities	9	10	28-37
4. Matrices and Determinants	10	9	38-46
5. Sequences, Series, and Probability	11	9	47-55
6. Data Analysis and Probability	current events	5	56-60

Class Expectations:

1. The students are assigned homework Monday through Thursday.
2. The student will have an opportunity to make up excused assignments and retake failed test.
3. The students are expected to attend every class period.
4. The teacher will use computers and calculators to assist students with exploration and discovery of concepts.
5. The teacher will focus on having the students use their mathematical knowledge and skills to become non-routine problem solvers.
6. Objectives for each course will be given to the each student attached to this document
7. Topics and concepts may be modified to accommodate student modalities
8. All students will complete a project from a list given by the teacher and/or student suggestion

Grading Procedure

Class Participation	10%
Reading Enrichment	10%
Mid Term Exam	15%
Homework	10%
Practice/Notebook	10%
Project/s/Labs	20%
Test Average	10%
Final Exam	15%

Grading Scale

A	90+
B	80 – 89
C	70 – 79
F	69 or less

RULES TO LEARN BY

1. Remain silent while others are speaking or working.
2. Remain in your seat unless given permission to get up.
3. Be neat, always use good manners and be kind to all.
4. Be in your seat and ready to work when the bell rings.
5. Have your math materials ready when the bell rings.
6. Have an academic attitude when class begins.
7. Focus on math only, paying close attention to instructions.
8. Work hard on math during the entire class.
9. Turn in your own work on time.
10. Follow all rules stated in the Discipline Handbook.v

Collaboration is expected and encouraged on some assignments. Other assignments must be completed without help from any source. You will be informed if group or buddy work is allowed. Any unauthorized help will result in parent notification and/or a non satisfactory grade for both helper and the recipient of the helper.

CONSEQUENCES FOR NOT FOLLOWING THE RULES

1. Verbal reprimand or warning
2. Conference with teacher and/or Last to be Dismissed from Class
3. Call to Parent/Guardian
4. Detention, Formal or Written Apology
5. Referral to Administrator (1-4 omitted for serious offense or disruption)