

Harlem Middle School

High School Coordinate Algebra

Teacher: Audre Williams

Email: audre.williams@ccboe.net

Contact Number: (706) 556-5990 (ext. 5834)

Remind: Text @31cbd7 to the number 81010

Course Description:

The fundamental purpose of Coordinate Algebra is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Coordinate Algebra uses algebra to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

The 6 Units covered in COAL are:

Unit 1: Relationships between Quantities (Expressions, Linear Equations, and Inequalities)

Unit 2: Reasoning with Equations and Inequalities (Solving systems of Equations, Using variables as exponents, and graphing equations and inequalities on a coordinate plane).

Unit 3: Linear and Exponential Functions (Understanding functions)

Unit 4: Describing Data (Assessing data and finding appropriate ways to represent it).

Unit 5: Transformations in the Coordinate Plane (Translations, reflections, rotations).

Unit 6: Connecting Geometry and Algebra through Coordinates (Distance Formula, Geometric Proofs)

Materials:

- Composition Notebook
- 3-Prong folder
- Notebook Paper
- Pencil
- Colored pencils, Scissors, Glue
- TI-30 Multiview Calculator or a TI-84 Graphing Calculator

Grading Scale:

Summative Assessments: 70%

Formative Assessments: 30%

Student Assessment Formats:

Formative: Homework, Classwork, Quizzes, and Exit Tickets

Summative: Tests, Computer-Based Applications, and Projects

Additional Assessments: Exams and End of Course Assessment

Absent Work:

Students are responsible to make up any work (classwork and homework) that they missed due to an absent. There are Absent Work folders where students can get any sheets they missed during their absence and there will be a designated spot for students to turn them in. If a student missed a quiz or test, it is his/her responsibility to set up a make-up time with the teacher.

Tutoring:

Students are encouraged to attend after-school tutoring on Wednesdays from 2:40 until 3:30. It is the student's responsibility to secure transportation home at 3:30.

Reteach/Retest:

Students scoring below 70% on a summative assessment should attend reteaching in order to retest on those concepts not mastered. This can be done during after-school tutoring. It is the student's responsibility to schedule the reteaching/retesting with the teacher.

Discipline:

Students are expected to follow the Columbia County Code of Conduct. Consequences for not following the Code of Conduct are reflected in the school's Progressive Discipline Plan.

Grade Level Discipline:

1st Offense: Written Warning

2nd Offense: Student Conference and Parent Contact

3rd Offense: Teacher-Assigned Detention and Parent Call

4th Offense: 2nd Teacher-Assigned Detention or In-House (Teacher Discretion) and Parent Phone Call

5th Offense: Office Referral

Parent Conferences:

Please email or call to request a parent conference. Due to school duties, some days are not available. I will make every effort to work with your schedule.

Student Contact:

If communication needs to occur between student and parent, it must go through the front office.

Remind 101:

Text @31cbd7 to 81010 or (470) 798-3655.

Textbook:

Student will be given a consumable textbook.

Exam Exemption:

Students have the opportunity to exempt one high school course per semester. Unfortunately, Coordinate Algebra and Physical Science have EOCs, so students can only exempt first semester. If they meet the following criteria, they can choose to exempt either COAL or Physical Science.

Students cannot have any unexcused absences if they want to exempt.

0 absences: Students must have an 80 average in the course

1-3 Absences: Students must have an 85 average in the course

4-5 Absences: Students must have a 90 average in the course.

Parent Signature: _____ Date: _____

Student Signature: _____ Date: _____