Buford High School

COURSE TITLE .... **Accelerated Coordinate Algebra**   **TERM** .... **2018—2019**
TEACHER............ **Mrs. Kristie Sweat**   **ROOM #**......... **506**
TEACHER............ **Mrs. Kristie Whelchel**   **ROOM #**......... **508**

Email Address	Kristie.Sweat@bufordcityschools.org Kristie.Whelchel@bufordcityschools.org Students should use their school gmail account if they need to email a teacher.
Teacher Web Page	http://bufordmath.weebly.com/ Please visit the 9th grade math website for monthly calendars, daily assignments, notes, and other helpful info.
Teacher Support (Help sessions)	Help sessions are available before school on Tuesday and Thursday mornings from 7:10—7:40 a.m. BHS UpGrade is also offered after school on Monday and Wednesday afternoons until 3:30 p.m. in the media center. In the case that I am not available, students may also visit any other ninth grade math teacher during these times.

COURSE DESCRIPTION

The fundamental purpose of Accelerated CCGPS Coordinate Algebra/Analytic Geometry A 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 next unit in the course ties together the algebraic and geometric ideas studied. Transformations on the coordinate plane provide opportunities for the formal study of congruence and similarity. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The study of circles uses similarity and congruence to develop basic theorems relating circles and lines and rounds out the course. 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.

CURRICULUM CONTENT

GEORGIA PERFORMANCE STANDARDS	UNITS/TOPICS
The Georgia Performance Standards for this course can be accessed online at georgiastandards.org.	1. Relationships Between Quantities 2. Reasoning with Equations and Inequalities 3. Linear and Exponential Functions 4. Describing Data 5. Transformations in the Coordinate Plane 6. Connecting Algebra and Geometry through Coordinates 7. Similarity, Congruence, and Proofs 8. Right Triangle Trigonometry 9. Circles and Volume

INSTRUCTIONAL MATERIALS AND SUPPLIES

Published Materials	Instructional Supplies
Coordinate Algebra & Analytic Geometry A, Houghton, Mifflin, Harcourt Cost: $105.00	1. Pencils 2. Notebook Paper/Graph Paper 3. 3-Ring Binder(1 ½ inch) 4. Spiral Notebook (for class notes only) 5. Scientific Calculator (TI-30 Recommended)

HONOR CODE POLICY

All BHS students will strictly adhere to the BHS Honor Code which is posted on the BHS website.
For any violation of the BHS Honor Code, students will receive a 0 and be referred to the administration.

EVALUATION AND GRADING

Assignments & Grade Weights	Grading Scale
Benchmark Assessments…………30%	A: 90 and above
• Benchmark 1 = 100 points **(Thursday, Sept. 13) and (Monday, Feb. 11)**	B: 80 – 89
• Benchmark 2 = 200 points **(Friday, Nov. 2) and (Tuesday, Apr. 16)**	C: 70 – 79
• Benchmark 3 = 600 points **(Dec. 18—Dec. 21) and (May 21—May 24)**	F: 69 or below
(Final Exam or Georgia Milestone Exam will account for 20% of this category)	
Unit Tests…………………………40%	
• Tests will be given approximately every two weeks. Students will be notified in advance of all test dates. These are also posted on my website.	
Writing Assignments…………………10%	
Monday, October 15th	
• Performance Exam—**(Oct. 15) and (Mar. 25)**. This is a detailed writing assignment requiring students to recall content knowledge in essay form from several articles that will be read throughout the course of the year and/or content from the course. This will count **100 points** or **5%** of overall grade.	
• Writing Prompts will make up the remaining 5% of this category. This will consist of **five** shorter Writing Prompts that will count **20 points or 1% each**. These will typically be given after a test. Focus will be on providing good explanations to a problem using thorough details and proper mechanics.	
Daily…………………………...……20%	
• Quizzes will be given on a regular basis.	
• Homework will be given on a daily basis and periodically it will be collected for a grade. **NOTE: Assignments may be turned in one day after the announced due date but are worth only 70% of the grade earned.**	
• Class Work—Students will take notes daily. Periodically these may also be collected for a grade.	

OTHER INFORMATION

Expectations for Academic Success	Additional Resources
1) Come to class prepared (with paper, pencil, calculator, textbook, and a positive attitude) 2) Complete homework daily 3) Ask questions; come for extra help if needed 4) Participate constructively as a team member 5) Be respectful	Teacher Webpage: http://bhssweat.weebly.com/ http://bhswhelchel.weebly.com/

EXCUSED ABSENCE ATTENDANCE POLICY

Students who are granted **Excused Absent** status for days missed will be subject to the guidelines in the student agenda.

ALL POLICIES OUTLINED IN THE BCSS STUDENT CODE OF CONDUCT AND THE BHS STUDENT HANDBOOK WILL BE FOLLOWED IN THIS CLASSROOM.

TEACHER CONSEQUENCES FOR MINOR CLASSROOM DISRUPTIONS	
1st	Penalty assigned at teacher's discretion – Parent Contact
2nd	30 minute faculty detention and parent contact
3rd	1 hour faculty detention and parent contact
4th	Administrative Referral

The teacher reserves the right to change, modify, and/or update the syllabus throughout the year as needed.