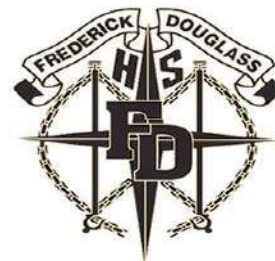


2016-2017 COURSE SYLLABUS
Accelerated Algebra I/ Geometry A (Summary)



Teacher: Dr. Ifeoma Uzoka-Walker	Phone: 404-802-3100 or 973-634-0341 (send me a text with name and course name)
Room Number: 344	Email: ifeoma.uzokawalke@atlanta.k12.ga.us
Semester: Fall 2016	Tutorial Days: Wednesdays
Textbook: CCGSE	Tutorial Hours: 3:30-4:15pm
Website: www.x-axis.weebly.com	Tutorial Location: Room 344

Course Description:

Accelerated GSE Algebra I/Geometry A is the first in a sequence of mathematics courses designed to ensure that students are prepared to take higher-level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics. The standards in the three-course high school sequence specify the mathematics that all students should study in order to be college and career ready. Additional mathematics content is provided in fourth credit courses and advanced courses including pre-calculus, calculus, advanced statistics, discrete mathematics, and mathematics of finance courses. High school course content standards are listed by conceptual categories including Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Conceptual categories portray a coherent view of high school mathematics content; a student's work with functions, for example, crosses a number of traditional course boundaries, potentially up through and including calculus. Standards for Mathematical Practice provide the foundation for instruction and assessment.

A state mandated Milestone Assessment is required and counts toward 20% of the student's overall course grade.)

Prerequisite: 8th Grade Math/ Pre-Algebra

Course Content:

Relationships Between Quantities and Expressions

- Use properties of rational and irrational numbers

Reasoning with Linear Equations and Inequalities

- Create equations that describe numbers or relationships

Modeling and Analyzing Quadratic Functions

- Interpret the structure of expressions.

Modeling and Analyzing Exponential Functions

- Create equations that describe numbers or relationships

Comparing and Contrasting Functions

- Construct and compare linear, quadratic, and exponential models and solve problems

Transformations in the Coordinate Plane

- Experiment with transformations in the plane

Similarity, Congruence, and Proofs

- Understand similarity in terms of similarity transformations

Right Triangle Trigonometry

- Define trigonometric ratios and solve problems involving right triangles

Course Outline:

Week 1:	Relationship Between Quantities and Expressions
Week 2:	Relationship Between Quantities and Expressions
Week 3:	Relationship Between Quantities and Expressions
Week 4:	Reasoning with Linear Equations and Inequalities
Week 5:	Reasoning with Linear Equations and Inequalities
Week 6:	Reasoning with Linear Equations and Inequalities
Week 7:	Reasoning with Linear Equations and Inequalities
Week 8:	Modeling and Analyzing Quadratic Functions
Week 9:	Modeling and Analyzing Quadratic Functions
Week 10:	Modeling and Analyzing Quadratic Functions
Week 11:	Modeling and Analyzing Quadratic Functions
Week 12:	Modeling and Analyzing Exponential Functions
Week 13:	Modeling and Analyzing Exponential Functions
Week 14:	Modeling and Analyzing Exponential Functions
Week 15:	Modeling and Analyzing Exponential Functions
Week 16:	Review, Remediation, Extension
Week 17:	Review, Remediation, Extension
Week 18:	Summative Assessments and BenchMarks
Week 19:	Comparing and Contrasting Functions
Week 20:	Comparing and Contrasting Functions
Week 21:	Comparing and Contrasting Functions
Week 22:	Describing Data
Week 23:	Describing Data
Week 24:	Describing Data
Week 25:	Transformations in the Coordinate Plane
Week 26:	Similarity, Congruence, and proofs
Week 27:	Similarity, Congruence, and proofs
Week 28:	Similarity, Congruence, and proofs
Week 29:	Similarity, Congruence, and proofs
Week 30:	Review, Remediation, Preparation for Testing
Week 31:	Review, Remediation, Preparation for Testing
Week 32:	Review, Remediation, Preparation for Testing
Week 33:	Right Triangle Trig
Week 34:	Right Triangle Trig
Week 35:	Right Triangle Trig
Week 36:	Review, Remediation, Preparation for Testing

Evaluation and Grading:

Course Components	Weights	<table><tr><th colspan="2">Grading Scale</th></tr><tr><td>100-90</td><td>A</td></tr><tr><td>89-80</td><td>B</td></tr><tr><td>79-70</td><td>C</td></tr><tr><td>69-0</td><td>F</td></tr><tr><td>Not Evaluated</td><td>NE</td></tr></table>		Grading Scale		100-90	A	89-80	B	79-70	C	69-0	F	Not Evaluated	NE
Grading Scale															
100-90	A														
89-80	B														
79-70	C														
69-0	F														
Not Evaluated	NE														
Learning Skills (interactive notebook and executive function skills including, timely assignment completion, organization, sustained attention)	10%														
Classwork and Participation	30%														
Homework	10%														
Lesson Quizzes	20%														
Unit Tests (or Performances)/Projects	30%														
TOTAL	100%														

**Campus
Portal for
Parents
and**

Guardians: Visit <https://ic.apsk12.org/portal> to view class schedules, attendance records and grades. To activate your account, visit the school to receive your login (activation key).

Required Materials:

Pen
Pencil
Paper
3 Ring Binder w/ dividers
3 x 5 Index Cards
Color Pencils or Pens (Green, Red, Blue)
Calculator (recommended) Ti-83, 84, 32

Classroom Expectations:

Class notes: You will be expected to take detailed notes during each class lesson. These class notes will help you when completing your class work, homework, and when studying for tests. The expectation is that by the end of the fiscal school year each student will have a guide and reference for the End of Course testing and a skill refresher for the next math course. Notebook/Binder Checks will be a part of the Quiz category and will be frequently checked with at least a 1 week notice.

Assignments: Students will receive an assignment daily of various types. Both class and homework assignments will be collected at the end of the week. These assignments will count in your “Daily classwork and or homework” sections of your grade.

Quizzes: Throughout the course, we will have short quizzes over whatever topic we are covering at that time. Expect them to be both cumulative and single subject quizzes. (Multi choice, short answer, writing prompts, and application task.)

Tests: At the end of each unit, students will be administered a cumulative assessment. These assessments will be taken by all students.

Make-up work: When work is missed due to an excused absence, all missed assignments are due within one week of your return. It is your responsibility to find out what you missed and get assignments to me in a timely fashion.

Make-up Test: When a test is missed due to an excused absence, the test must be made up within one week of your return. All make-up work, including tests, is the responsibility of the student. If you are ever unhappy with a teacher-generated test, please see me. Ask for extra practice, remediation and help. Once these things are complete, you may attempt a different version of the test on which you were not successful. Please complete any retakes within a month of non-success! Test will be averaged for 1 combined grade.

Attendance/Tardy Policy: See Student Handbook/School policy

“House Rules”

- Always be on time and prepared to learn.
- Passes will not be issued during first or last 10 minutes of class.
- Hats, hoods, headbands, and/or head garments of any kind are not to be worn in the school building.
- Electronic devices, including phones, iPods, ear buds, etc., are not permitted during the school day. All electronic devices must remain turned off and out of sight or they may be confiscated. Confiscated items will only be returned to legal parent/guardian.

- Please stay in your class and in your seat until the bell rings.
- Thank you for assisting in keeping our high school clean by picking up around your area and throwing your trash away. This is particularly vital in the cafeteria area.
- No food or drink in class whatsoever (Except Water)

Discipline Protocol

Minor misconduct (level one offenses – such as excessive non subject talking, insubordination, etc.) will follow below plan:

- 1st Offense: Warning
- 2nd Offense: Teacher-Student Conference
- 3rd Offense: Detention, Behavior Analysis Assignment, and Parent Conference
- 4th Offense: Discipline Referral

Major offenses will receive an automatic discipline referral.

Course Expectations

Behavior: Each student should:

1. Be in your seat, ready to begin when the bell rings.
2. Have a pencil, paper, notebook, textbook, and homework out at the beginning of class working on the question of the day.
3. Be respectful and cooperative to the teacher and classmates.
4. Follow all school rules stated in the school handbook.

LATE ASSIGNMENTS: It is important that students are responsible and meet established due dates for assignments. Late is defined as anytime work is submitted after the assignment has already been collected by the teacher.

MAKE-UP AND MISSING ASSIGNMENTS: Students with an excused absence will be expected to submit missed work on or before the third class meeting after the absence. Pre-announced assignments are due upon return to school.

School-wide Expectations:

DEFICIENCY REPORTS: Parents and guardians are informed when students are making unsatisfactory progress in classes. Poor performance will be reported to parents and guardians as soon as problems are evident. Deficiency reports with plans for remediation will be written for all students making unsatisfactory progress, and parent-guardians conferences must be scheduled. Unsatisfactory grades should never come as a surprise to parents, guardians, or students. Teachers will:

- Contact parents and guardians early in the semester if academic, attendance, or behavioral difficulties are apparent.
- Notify the counselor, SST/RTI Chair, and the academy leader of serious problems that are affecting classroom performance.

ATHLETIC ELIGIBILITY: Students wanting to participate in athletic programs governed by the GHSA and extracurricular activities must meet eligibility requirements to participate. The Athletic Director (and the Extracurricular Activities sponsors) will collaborate with teachers to monitor and to identify students in danger of failing courses. All faculty members will be given a master list of students participating in extracurricular activities and athletics under the auspices of the GHSA.

Student Signature and Date

Parent-Guardian Signature and Date