Mathematics 8 Syllabus

Instructor Information

Name: Mrs. Amanda Nguyen
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Classroom Number: Modular 26
Office Hours: Tuesday - Friday from 7:30 - 8:00 am or by appointment

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Course Topics

1. Equations
   a. Solve multi-step equations
   b. Use angle pairs to solve for unknown angles
2. Transformations
   a. Introduction to rigid transformations and congruence
   b. Examine similarities and transformations
3. Exponents
   a. Apply properties of integer exponents and use scientific notation to estimate very large or very small quantities
4. Radical Expressions and Equations
   a. Use square roots and cube roots to represent solutions to equations
   b. Simplify radical expressions
5. Pythagorean Theorem and Volume
   a. Understand and apply the Pythagorean Theorem to find the distance
6. Introduction to Linear Functions
   a. Define and graph a linear function and model a linear relationship
7. Linear Models and Tables
   a. Interpret scatter plots that model linear relationships
8. Systems of Equations
   a. Solve systems of linear equations using various methods
9. Introduction to Quadratic Functions
   a. Graph quadratic functions and exponential functions
   b. Factor to reveal the zeros of a quadratic function

Grading policy

45% - AKS Mastery (tests, projects, etc.)
35% - AKS Progress (quizzes, daily work, i-Ready, etc.)
10% - Milestones Benchmark (Written and Graded by Gwinnett County)
5% - Homework
5% - CFA (Written and Graded by Gwinnett County)

Portal grades

If you see...

ABS= Student was absent during this assignment and it needs to be made up.
NTI = Student was present during this assignment and did not turn it in when it was due.
EXC= Student did not complete the assignment. It is excused. The student does not need to make it up.

Parent Portal will be updated weekly for parent/guardian convenience.

Students are encouraged to check their grades regularly and ask any questions that they might have about their grades. DO NOT wait until the end of the semester to do this.

Absences/ Tardy Policy:

If a student misses a test or quiz, they must make it up the first day that they return to school. According to the handbook, students with unexcused absences will be given a zero on any classwork they have missed. Homework can still be turned in for credit. In the event that a student has an excused absence and has brought a written excuse, they can meet with me during office hours to catch up on classwork. Students have 5 minutes to change in between each class. Once the class has begun, students will be considered tardy. It is the student's responsibility to make it to class on time – and they can't learn if they're not in class.

Retake Policy:

All students that score below a 90% on a test or a quiz will be eligible for a retake. Students may only choose two retakes per semester. The highest a student can receive on any retake is 90%.

Resources

Content will be presented through a variety of resources, including Google Classroom, NLAE Website, Glencoe Math Textbooks, Google Slides, and IXL Website. Therefore, organization is extremely important for this class.

After you've finished reading the syllabus, please complete the Parent Signature Google Form on the NLAE Website.