

NAME:	CLASS PERIOD:
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8th GRADE MATHEMATICS- Curriculum, Assessments, & Guidelines

STANDARDS FOR MATHEMATICAL PRACTICE	<ul style="list-style-type: none"> Make sense of problems and persevere in solving them. Reason abstractly and quantitatively. Construct viable arguments and critique the reasoning of others. Model with mathematics. 	<ul style="list-style-type: none"> Use appropriate tools strategically. Attend to precision. Look for and make use of structure. Look for and express regularity in repeated reasoning.
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A+ UNITS	1: Pythagorean Theorem & The Number System 2: Transformations	3/6: Solving Equations 4: Functions	5: Analyzing & Interpreting Functions 11: Exponents & Scientific Notation 8: Statistics	9: Angle Relationships 10: Volume 7: Systems of Equations
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RESOURCES	<p>Weekly Math Checklist</p> <ul style="list-style-type: none"> Created by Mrs. Cheatham each week and delivered to students on Monday. Lists all assignments for a given week (Monday-Friday). Electronic copy emailed to families on Mondays as well. <p>Google Classroom. Class Code: _____</p> <ul style="list-style-type: none"> Updated every day with lesson videos and relevant class materials. <p>Math Curriculum: <i>All Things Algebra, Maneuvering the Middle, and A+ College Ready E3 Mathematics</i></p>
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MATH GRADE CALCULATION METHOD	<ul style="list-style-type: none"> The Final Yearly Average is calculated by averaging the two semesters' averages. The Semester Average is calculated as follows: The First Quarter is worth 40%, Second Quarter is 40%, and the Semester Exam is 20%. Each Semester Exam is a cumulative exam that includes all material from the respective semester. Students should be proactive in ensuring that they have mastered the instructional material as the semester progresses. Exam Review Packets are provided well in advance of Semester Exams. Quarterly Grades are calculated by utilizing two categories of assignments (Minor Assignments and Major Assessments). Details below.
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MINOR ASSIGNMENTS (Counts as 40% of Math Average)

CLASSWORK (Worth 15-25 points per week)	<ul style="list-style-type: none"> Given every day in the form of notes, examples, guided practice, and independent work problems. Students must: 1. Copy every problem given; 2. Steps to solve the problem must be shown; 3. Final solutions must be boxed. No credit will be given if work is not shown. No work=no credit. Students who are absent may get their notes from a fellow classmate or our Google Classroom site. Any classwork papers should be kept in the math notebook until the end of a given unit.
HOMEWORK (Worth 20-50 points each per unit)	<ul style="list-style-type: none"> Homework is given in electronic form from both Quizizz and Delta Math. The links for these two unit-long assignments are provided on Google Classroom. These two assignments are given at the beginning of each unit. They are due by the last day of the unit. For Quizizz, students are given <u>three opportunities</u> to maximize their score. The Quizizz assignment is designed as a Pre-Unit Test, Mid-Unit Check, and a Post Unit Check. The highest score prevails. For Delta Math, students should be completing specific skills as we progress through a given unit. Video models are provided for each skill type. Students typically have 2-3 problems per skill.
TICKETS (20 points each)	<ul style="list-style-type: none"> Given at least weekly to assess students' understanding of a math given skill. Typically, students may use their notes to complete their Tickets. Students may make-up Tickets before or after school. Students with scored Tickets earning below 14/20 receive an email with a remedial task that should be turned in for up to 5 bonus points added back to the Ticket score.

MAJOR ASSESSMENTS (Counts as 60% of Math Average)

<p>QUIZZES & V-QUIZZES (20-40 points in value)</p>	<ul style="list-style-type: none"> ● Given periodically after specific lessons during class. ● Students should be ready for a Quiz every day! However, all Major Quizzes are officially announced early. ● Short answer and free-response format. Work must be shown. ● V-Quizzes (Virtual Quizzes) are often given on Virtual School Days. These are not optional and must be completed just like in-class paper Quizzes. ● All scored Quizzes should be corrected by the end of the Unit so that a student understands all of the problems for the Unit Test. ● Quizzes should be kept in the math notebook until the end of the given unit. ● Make-up Quizzes must be completed before or after school.
<p>TESTS, QUESTS, & TASKS (60-100 points in value)</p>	<ul style="list-style-type: none"> ● Given at the end of each unit. ● Includes multiple choice, short answer and/or free-response question types. Work must be shown. ● A study guide is given to each student at the beginning of the unit in order to prepare for the test/quest. ● Two unit tests are actually given. If a student scores an 85+ on the first test, the student may take two class days "off" or retest for an even higher score. If a student scores below an 85 on the first test, the student will test again after a built-in review day where we go over the first test together. The second test will occur the day after the review day during class. The higher of the two scores prevails. ● If a student is absent for Test 1 (Practice Test) and returns the next day, he/she will only participate in the review for Test 2 (Real Deal Test). If a student is absent on the Practice Test Day and the Review Day, he/she must work to prepare for the Real Deal Test on his/her own. ● Make-up Tests (Real Deal) must be completed before or after school.
<p>MAKE-UPS</p>	<ul style="list-style-type: none"> ● Make-Ups for Tickets, Quizzes, Quests, and Real Deal Tests are available before and after school by appointment. Students have 3 days to make-up these assessments. ● Note: If you say that you are coming to make-up an assessment, be sure to keep your word or notify Mrs. Cheatham of any change in your plans!!!
<p>MATH NOTEBOOK</p>	<ul style="list-style-type: none"> ● All Math items like Weekly Checklists, Notes, Graphic Organizers, Classwork, Homework, Worksheets, Quizzes, etc. should be kept in the math binder at all times. ● Even though you are not expected to formally turn-in your Notebook, you should keep work for the current unit in your binder to prepare for your Unit Tests. ● At the end of a given unit, time is allocated for students to clean out their Notebook. Various unit materials are placed into an in-class folder. This folder is then emptied at the end of each semester to prepare for the Semester Exam.

SETTING-UP A MATH PROBLEM

<p style="text-align: center;"><u>COPY THE PROBLEM</u></p> <ul style="list-style-type: none"> ● Most errors come from simply working with the wrong values. ● When completing Word Problems, you may list just the important parts with values instead. ● Problems with Graphs must still be copied, but a quick accurate sketch is acceptable. 	<p style="text-align: center;"><u>WORK PROBLEM DOWN THE PAGE</u></p> <ul style="list-style-type: none"> ● Do not work problems across the page. The "Math Part" of the brain works vertically. ● You must always show your work. No Work- No Credit! ● Use your colored pencils often. They are helpful when identifying each step in a problem. ● Scratch work for arithmetic calculations may be included beside the problem's steps in a two-column format. 	<p style="text-align: center;"><u>BOX FINAL ANSWERS</u></p> <ul style="list-style-type: none"> ● Carefully include the entire answer in your box.
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ABSENT???

<p>PLANNED AHEAD OF TIME?</p> <ul style="list-style-type: none"> ● Get with Mrs. Cheatham to collect your work. ● Check with Mrs. Cheatham to see if you can go to another math teacher's classroom for the lesson at another class period during the day. ● Always Check Google Classroom! 	<p>WASN'T PLANNED?</p> <ul style="list-style-type: none"> ● Check your Weekly Checklist and go to Google Classroom to find your work ● Email me if you have questions or need to set-up a tutoring or make-up appointment. ● Absences are the number one reason a student falls behind in math class!
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*****KEEP THIS PAPER IN YOUR MATH NOTEBOOK! DO NOT THROW THIS AWAY!*****