

Mrs. Mashett's 7th Grade Math Syllabus Catasauqua Middle School

Hello 7th grade Rough Riders! I'm Mrs. Mashett. This is my 8th year teaching but only my second year teaching at Catty. Prior to teaching math, I was a grades 6-8 learning support teacher in Carlisle Area School District. I graduated from Temple University with my BS in Early Childhood and Elementary Education, and then got my Masters in Special Education at Chestnut Hill College. I'm currently working on a Masters in Online Teaching through Wilkes University. My husband, our two fur-babies (Cocoa and Charlie), and myself live in West Allentown where we enjoy taking nice long walks. I also love gardening and reading, so you can often find me in my backyard or with my nose in a book. I'm looking forward to an exciting year with you!

Contact Information:

Email: mashettc@cattysd.org (preferred method of communication for quickest response)

Phone: 610-264-4341 x12306

Room: 306

**Remind App- please be sure to sign up so that you can stay up to date with announcements. If you need me to resend the invitation link, just let me know!

Course Objectives/Content by Unit:

Decimals and Equations- Students will be able to round decimals, estimate sums and differences, estimate products and quotients, find mean, median, mode, and range of a data set, and compare two numerical data sets using measures of central tendencies

Factors, Fractions, and Exponents- Students will be able to determine factors for given numbers, write expressions using exponents, determine the value of an expression with an exponent, determine if a number is prime or composite, find the greatest factor of two or more numbers, find equivalent fractions, write fractions in simplest form, write numbers in scientific notation, write numbers in standard form

Operations with Fractions- Students will be able to compare and order fractions, convert fractions or mixed numbers to decimals, convert decimals to fractions or mixed numbers, determine if a fraction is terminating or repeating, add/subtract fractions, add/subtract mixed numbers, multiply/divide fractions, multiply/divide mixed numbers

Algebraic Expressions and Integers- Students will be able to identify variables and numerical or variable expressions, write variable expressions for word phrases, use the order of operations, evaluate variable expressions, solve problems by evaluating expressions, evaluate expressions that involve fractions, represent/graph/order integers and rational numbers to find opposites and absolute values, add/subtract/multiply/divide positive and negative numbers

Solving One-Step Equations and Inequalities- Students will be able to identify properties of addition and subtraction, use these properties to solve problems, use the distributive property

with numerical and algebraic expressions, identify parts of a variable expression, combine like terms in a variable expression, determine if an equation is true/false/open sentence, check equations using substitution, solve one-step equations using addition/subtraction/multiplication/division, graph and write inequalities, and solve one-step inequalities using addition/subtraction/multiplication/division

Solving Equations and Inequalities- Students will be able to solve two-step equations using addition/subtraction/multiplication/division, use two-step equations to solve word problems, write an equation to solve a word problem, solve two-step inequalities by using addition/subtraction/multiplication/division, and use two-step inequalities to solve word problems

Ratios, Proportions, Percents- Students will be able to write and simplify ratios, find rates and unit rates, determine if two ratios make a proportion, solve proportions, use proportions to solve word problems, solve problems that involve similar figures, solve problems that involve scale drawings, convert between fractions/decimals/percents, use proportions to find part of a whole/whole amount/percent, use proportions to solve real world problems, write and solve percent equations, use equations in solving real world percent problems, find percent of increase/decrease for a certain amount, find markups and discount for a certain price, and solve simple interest problems

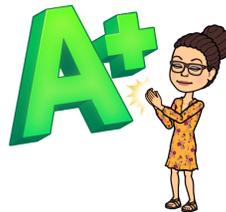
Data Analysis and Probability- Students will be able to use the Counting Principle and tree diagrams to account for all possible choices, find theoretical probability, find odds of a data set, calculate probabilities of independent events, find experimental probabilities, use simulations to find probability, choose a sample for a survey of a population, and make estimates about a population

Spatial Thinking- name basic geometry terms, recognize intersecting/parallel/skew lines, identify adjacent/vertical/complementary/supplementary angles, relate angles formed by parallel lines and a transversal, classify polygons by their number of sides, classify triangles according to their angle measurement and length type, classify the different types of quadrilaterals, identify corresponding parts of congruent triangles, determine whether triangles are congruent by SSS, SAS, or ASA, identify the parts of a circle, and find the circumference of a circle

Area and Volume- Students will be able to find the area of rectangles/squares/parallelograms/triangles/trapezoids/circles/irregular shapes that include part of a circle, identify common 3-D figures, identify 3-D figures from their nets, find surface area of prisms, and find volume of prisms

Grading Policy:

Homework- 5 points per assignment
Classwork- 5-20 points per assignment
Quizzes- 10-25 points per quiz
Tests- 30-55 points per test
Projects- 20-50 points

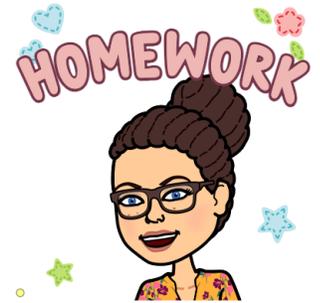


Grades will be posted on PowerSchool for review by students and parents. I encourage you to review your average on a weekly basis and become aware of your progress throughout each marking period.

Homework

Homework is often given, so it's important that you bring your math book to school every day and then take it home with you every night.

Homework is posted on the white board at the front of the classroom and is to be written down in your agenda every day. If there is no homework, you should write "none." You can also check Google Classroom if you forgot to write your homework down.



Homework is worth 5 points. If it is partially completed, you will receive 2.5 points. If it is not done at the start of class, you will receive 0 points.

Absences

It happens! If you are absent, you have that same number of days to turn in your late work. For example, if you are out for two days, you have two days from the day you return to complete the missed assignments. YOU are responsible for checking Google Classroom to see what you missed while you were out- all assignments are posted there on a daily basis. Be sure to let me know if you have any questions about the assignments.

Technology Issues

For technology issues, please email me a screenshot and description of your issue in order to get a time extension for the assignment. If you simply email me and say something "doesn't work" you will not receive extra time to complete the assignment. Please be specific and always provide a screenshot of the error message or issue. There is also a Google form that should be filled out for bigger issues. This can be found on the [CASD website](#).

ExactPath Challenges

Students will be given two weeks at a time to earn 3 trophies in their math ExactPath. When they earn 3 trophies, the challenge is complete. If they would like, they can earn up to two extra trophies for bonus points (2 points per extra trophy). This will be an ongoing assignment all year, so there is always work to be done at home or when you finish an in-class assignment early. I will build time into the schedule for students to work on these in class as well, but please make sure you give yourself plenty of time to get it done in the two week period. Last minute technology issues will not exempt you from the assignment.

Student Expectations

- *Attend class prepared with the following materials:
 - a. DiscoveryEd math book
 - b. **Charged** iPad
 - c. Pen/Pencil/highlighter
- *Follow all directions provided by the teacher.
- *Stay on task while completing assignments.
- *Use constructive/non-hurtful language when speaking to others.
- *Refrain from calling out by raising your hand and waiting to be called upon.
- *Always keep your hands and feet to yourself!
- *Follow all school established procedures for appropriate iPad use.

EXPECTATIONS



Extra Help

Students are encouraged to request one-on-one help from Mrs. Mashett if they are experiencing difficulties with any topics covered in class. A great time to seek extra help would be after school from 1:50-2:20 pm.

Code of Conduct

This can be found in our [student handbook](#) which you are required to read over with your parents and **acknowledge in the Parent Portal by the posted due date**. Pages of particular interest:

Responsibilities of students- page 45

Discipline- page 19

Important Dates- page 37

CASD Acceptable Computer Use/Internet Safety Policy- page 58

G Suite for Education Notice to Parents and Guardians- page 63

Your first homework assignment: Please share this information with your parents/guardians. In addition, sign and return this form acknowledging that it was reviewed to Mrs. Mashett.

Due Date: _____

7th Grade Math Classroom Procedures Review:

Student Name: _____

Parent/Guardian Name: _____

Parent/Guardian Email Address: _____

THIS YEAR IS GOING TO ROCK

