2023-2024

8th Grade Math

Ms.Franklin

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Google Code: per 3 sczcgzu per 4zsxdd4m

Classroom 6

Eighth Grade: In the years prior to 8th Grade, students have already begun their study of algebraic concepts. They have written and interpreted expressions, solved equations and inequalities, explored quantitative relationships between dependent and independent variables, and problem solved involving area, surface area, and volume. Students have also begun to develop an understanding of statistical thinking. **The grade 8 Math Course** begins with connections of earlier work, efficiently reviewing algebraic concepts that students have already studied while at the same time moving forward into new ideas of ratios and proportional reasoning to the study of linear functions, equations, and systems. They explore negative integer exponents and irrational numbers, and they deepen their understanding of geometric concepts through transformations as they investigate congruence and similarity. Throughout 8th Grade the students continue to develop proficiency with the Common Core's eight standards for Mathematical Practice: 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; use the appropriate tools strategically; attend to precision; look for and make use of structure; look for and express regularity in repeated reasoning.

EXPECTATIONS:

BE RESPECTFUL
BE RESPONSIBLE
BE ON TIME
BE PRODUCTIVE
BE POSITIVE
BE TRUSTWORTHY
BE YOURSELF ☺
STAY ON TASK!

Discipline ☹
Warning, Talk with Teacher, Reflect out of the classroom,
(In the office).
Lunch detention
Conference with Parent

Health and Wellness

STAY HOME WHEN SICK
HAND WASHING/SANITIZER VERY IMPORTANT
BRING OWN WATER BOTTLE
(DO NOT SHARE!)
STAY IN ASSIGNED SEATING
FOR YOUR SAFETY AND EVERYONE ELSES!
CLEAN AND SANITIZE BEFORE LEAVING CLASS!
Remember to use the Alongside App for Mental Wellness <3
App.alongside.care

EXTRA HELP:
TARGETED ASSISTENCE
Extra help is always available during 8th period. I have a core group of about 8 students that are with me every day, please come in if you need to *make up a test or quiz or need help on your homework.

- **You must spend one day in TA reviewing before you can retake a quiz or test**

WHAT TO EXPECT
TO LEARN
TO GROW
TO WORK
TO LOVE MATH ☺

WHAT TO BRING:
FOLDERS AND PENCILS,
Graphing Notebook

DRINK
BRING YOUR OWN REFILLABLE WATER BOTTLE
NO FOOD ALLOWED!

GRADES
GRADES ARE EARNED, NOT GIVEN!

HW = 10%
QUIZZES = 25 %
NOTES = 20%
TESTS = 25%
CLASS PARTICIPATION (expectations above) 20%

ONLINE RESOURCES
KHANACADEMY.COM
CLIFF'S NOTES
MATHSISFUN
FUNBRAIN
HOODA MATH
ARCADEMICS
CORBETTMATHS
IXLMATH
MATH PLAYGROUND

CELL PHONES
MAY NOT BE USED IN CLASS!

CHECK IT IN WITH ME
OR LEAVE IT IN YOUR BACKPACK turned off!

Rigorous teaching and learning for depth of knowledge will guide students to a pathway of proficiency.

The progression of performance towards proficiency are in four tiers, as follows:

1. Knowledge acquisition: Students must recall and restate" just the facts" or recall and reproduce how to "just do it "to answer questions, solve problems, complete tasks, or understand a specific topic correctly.
   In summary the GOAL is: just the facts, just do it- recall information, recall how to- answer correctly (in their own words and in complete sentences)
2. Knowledge acquisition: Students must demonstrate and communicate how they can apply knowledge, concepts, and skills or use information and basic reasoning accurately to answer questions, address problems, accomplish tasks, or analyze a specific text or topic successfully.
   In summary the GOAL is: show and share or summarize, demonstrate and communicate, specify and explain, give examples and non-examples- apply knowledge, concepts or skills, use information and basic reasoning- establish and explain with examples.
3. Knowledge acquisition: Students must delve deeper to inquire and investigate how they could use complex reasoning supported by evidence to examine and explain actions, answers, analyses, alternatives, or arguments- their own or those made by others.
   In summary the GOAL is: delve deeply, inquire and investigate, use critical thinking, problem solve, creative thinking, defend, justify, or refute with evidence, connect, confirm, conclude, consider, or critique- think strategically, use complex reasoning supported by evidence, examine and explain with evidence.
4. Knowledge acquisition: Students must explore and explain how they could use extended reasoning supported by expertise or think extensively how they could connect, transfer, or utilize their learning deep within a subject area, among topics, across the curriculum, or beyond the classroom.
   In summary the GOAL is: go deep within a subject area, go across texts and topics, go across the curriculum, go beyond the classroom- think extensively, use extended evidence supported by expertise- explore and explain with examples and evidence over a longer period of time.