



Welcome to math Course 2/3 with Mrs. Nelsen Room A18

This year we will be exploring math through the use of a curriculum that applies the common core standards for seventh and eighth grade mathematics. This course is set up to be at an accelerated pace so make sure you ask questions and inform me if you need clarification at any time.

Classroom Environment: In this classroom we are mathematicians that are supportive of various styles of learning and explore concepts using best practices for a community of learners. We implement the Common Core best practices in order to reach all levels of learning. These include perseverance through challenges, sharing and justifying your thoughts, collaborating with peers, and precision while finding solutions.

Daily routine: On a typical day our class will begin with a bell ringer warm up activity. This will be an exercise that not only gets our math brains working but also allows us to check for our understanding of the material from previous lessons. Next, we will take a look at the homework from the night before; you will have homework almost every night as practice. Then a majority of the period will consist of exploration through whole and small group activities. These activities will allow you to learn, practice, and apply the mathematical concepts you explored to the “real world”.

Homework: As you read above, you will have homework almost every night. Look at homework as your chance to practice and apply the skills you learned in class. I like to compare homework to purchasing an item. It wouldn't make sense to save up your money, shop for, purchase an item, and then never take it out the box to see if it works. This is the same for homework, why would you learn how to do something in math class and then not practice the skill to make sure you “got what you paid for” in class? Homework will be checked daily for completion and precision. You can also expect homework quizzes throughout each unit.

Grading: All sixth graders will be given formative and summative assessments throughout the year to collect data on individual progress. Quarter grades follow the building Math department policy, and are weighed as follows:

80% Assessments
20% Academic work

Supplies: You will be required to bring a 3 ring binder with dividers, paper, pencils, calculator, colored pen for correcting, post-it notes, and a dry erase marker.

Assessments: A variety of methods will be used to assess mastery of mathematical concepts. These may include projects, paper pencil tests, or visual displays of your ability to apply your understanding.

Units: This school year we will be covering the following 4 units from our textbook.

RATIONAL NUMBERS AND EXPONENTS

- LANGUAGE OF ALGEBRA
- OPERATIONS WITH INTEGERS
- OPERATIONS WITH RATIONAL NUMBERS
- POWERS AND ROOTS

PROPORTIONALITY AND LINEAR RELATIONSHIPS

- RATIO, PROPORTION, AND SIMILAR FIGURES
- PERCENTS
- ALGEBRAIC EXPRESSIONS
- EQUATIONS AND INEQUALITIES
- LINEAR FUNCTIONS

INTRODUCTION TO SAMPLING AND INFERENCE

- STATISTICS AND PROBABILITY

CREATING, COMPARING, AND ANALYZING GEOMETRIC FIGURES

- CONGRUENCE, SIMILARITY, AND TRANSFORMATIONS
- VOLUME AND SURFACE AREA

Weebly: This is the location for all of the daily homework assignments, lessons, and extra practice. You should visit this website on a daily basis in order to see what is due for the following day in class and the due dates for upcoming assignments/assessments. To access this please visit www.cary26.org and select Cary Junior High, then under teacher pages select Mrs.Nelsen's page.

Infinite Campus: This website is used to view your current grades for all of your classes:

<https://ic.cary26.org/campus/portal/cary.jsp>

McGraw Hill website: Forget your book? You can view your textbook online using your provided login and password at: *connectED@mcgraw-hill.com*

Contact information for Mrs. Nelsen:

Please feel free to contact me via email at any time.

My address is: kayla.nelsen@cary26.org

I look forward to working with you this year and want you to know that I am here for you and will help you to be successful.

