



**COURSE: Math 8**

**TEACHER: Briana Cooper**

[briana.cooper@elmoreco.com](mailto:briana.cooper@elmoreco.com)

**COURSE DESCRIPTION**

The overall goals of Math 8 are to formulate and reason with expressions & equations; develop the concept of a function & use functions to describe quantitative relationships; understand & apply the Pythagorean Theorem; and use distance, angle, similarity & congruence to analyze 2 dimensional and 3 dimensional space & figures.

**COURSE OBJECTIVES**

Proficiency scales will be sent home with each unit. The proficiency scale will have the objectives (learning targets) clearly defined for the unit. Some of the main objectives for this course are:

- Solve linear equations in one variable.
- Understand that a function is a rule that assigns to each input exactly one output.
- Graph proportional relationships, interpreting the unit rate as the slope of the graph.
- Interpret the equation  $y = mx + b$  as defining a linear function, whose graph is a straight line.
- Describe the effect of dilations, translations, rotations and reflections on two-dimensional figures using coordinates.
- Know that numbers that are not rational are called irrational.
- Know and apply the properties of integer exponents to generate equivalent numerical expressions.
- Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that  $\sqrt{2}$  is irrational.
- Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities.
- Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.
- Use informal arguments to establish facts about the angle sum and exterior angle of triangles.
- Know the formulas for the volume of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.
- Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities.

**REQUIRED STUDENT RESOURCES**

- Textbooks
- Pencils
- Notebook
- Paper Highlighters
- \*Scientific Calculator

**WISH LIST**

- Band Aids
- Paper towels & Tissues
- Clorox Wipes
- Lysol & Hand-sanitizer

**EVALUATION PROCEDURES AND GRADING CRITERIA**

In this class you will complete hands-on activities, assignments, quizzes, and projects. Each student will have between 8-12 daily grades and 4-5 test grades each nine weeks, including county assessments/checkpoints. A rubric will be used for all group work and projects. Each assignment should be completed as if it will be graded! Students should always show work, you may not receive full credit on an assignment if you do not show your work. **Extra credit assignments will not be given.**

<u>GRADING SCALE</u>
A = 90 – 100
B = 80 – 89
C = 70 – 79
D = 60 – 69
F = 0 – 59

<u>WEIGHT OF GRADES</u>	
Daily Grades	50%
Projects/Tests	50%
<b>*Please note that projects will count as test grade.</b>	

**LATE WORK & NO NAME POLICY**

If work is turned in late, 10 points will be taken each day that it is late. Also, if you turn in your assignment without your first and last name written on the paper, you will have 10 points removed from your grade. **Commitments to sports, band, dance, cheerleading, drama, or any other extra-curricular activities are not a reason to turn in late work!**



# WETUMPKA MIDDLE SCHOOL SYLLABUS

## NOTEBOOK

- **Notes:** Notes should be taken every day; This is vital to doing well in math class; Daily practice and classwork should be kept in this section as well.
- **Homework:** Homework is to be done on loose leaf paper, it will be corrected and kept in your notebook for review and reflection. It is imperative that homework is completed each night in order to be successful in this course. Homework is intended to give your student reinforcement of topics in class, or a resource for studying.
- Students are required to bring their notebooks & textbooks to class and to take notes every day. My philosophy on notes is that if I write it on the board or present it in the classroom, the student should write it in their notebooks.
- Do not place papers in your bookbag! Use your notebook.
- Ask questions! Ask for help as needed, you do not want to wait until the day before a test to ask for help.

## ATTENDANCE STATEMENT

- Excellent attendance is mandatory, it is essential to performing well. The school policy will be strictly followed regarding absences and makeup work!
- **Your absence is your responsibility.** Students are responsible for acquiring missed assignments; Students should check Google Classroom when absent, as well as the Absent Work folder when you return to school. IT IS THE STUDENT'S RESPONSIBILITY TO SIGN UP FOR MAKE-UP TESTS. You will not be zapped during PE, only during Homeroom
- In order to get credit for your work/attendance, you must turn in an excuse for your absence and complete your assigned work within 3 days. You will be expected to keep up with the in-class notes/assignments.

## COMMUNICATION

I believe that communication with parents is crucial to a child's achievement. The best way to contact me is via e-mail at [briana.cooper@elmoreco.com](mailto:briana.cooper@elmoreco.com) or through **REMIND**. Join **REMIND** for your class by texting the code **@m8cooper24** to the number **81010**.

## CLASSROOM GUIDELINES, POLICIES AND PROCEDURES

Students are expected to follow the classroom rules. Minor classroom infractions will be documented on a Classroom Behavior Management Form. Parents will be informed of these infractions. Repeated infractions will result in the student being sent to the administrator. Learning will take place each day as we respect each other by displaying courteous behavior. Each of you will be prepared with classroom materials and assignments, displaying good judgment and always *doing* your best. **Please refer to student handbook for issues that require immediate referral to the office.**

### CLASS EXPECTATIONS

Be Responsible  
Be Respectful  
Be Safe

### CONSEQUENCES

Step 1: Warning  
Step 2: Parental Contact  
Step 3: Conference with administrator or parents  
Step 4: Office Referral

## **Rules & Guidelines:**

1. Show respect for everyone, at all times.
2. Listen and follow directions.
3. Raise your hand and wait for permission to speak or leave your seat. Students are expected to be seated & quiet at the beginning of class & during class time.
4. Be on time and be prepared. (Bring notebook & paper, pencil, and calculator to class daily. Cell phones will not be used as calculators.)
5. Keep hands, feet, and objects to yourself.

## **Cell Phones:**

*Your cell phone must be kept in your bookbag and turned off for the school day. Cell phones will not be permitted in the classroom, the hallway, the bathrooms, or in the lunchrooms. This includes use of air pods & smart watches.*

## **Bathroom:**

- We will use the bathroom as a class most days. Do not ask to go during instructional time!

## **Calculators:**

- You may use a calculator in class, I recommend it. No, you may not use your cell phone as a calculator during class



# WETUMPKA MIDDLE SCHOOL SYLLABUS

## Instructional Time & Assignments:

- Daily, make sure you have your paper, pencil, notebook, calculator, and completed assignments.
- All work must be completed with a pencil, use a mechanical pencil or bring your own handheld sharpener
- You are asked to bring at least one pencil to class daily. If you need a pencil, take care of this before class begins.
- Enter quietly and be seated in your assigned seat. When the bell rings, you should be seated and silently working on your bell ringer. All conversations should be stopped!
- Students should remain **quietly** seated during instructional time and assignments; Please respect your classmates and their right to an education.
- Please feel free to ask appropriate questions during instructional times; You should not ask to use the trash can or use the rest room during this time. You will miss important instructions and interrupt your classmates.
- Assignments will be given almost daily, they should be turned in before the end of class, and you should ask permission to complete the assignment at home. Assignments should always include your name, date, and Assignment title.
- Google Classroom will be frequently used to assign work; Alternate assignments will be given if a student loses access to the Chromebooks if they break the school technology policies and procedures.

## When the Bell Rings to End the Period:

- Return all borrowed materials to the teacher and turn in all assignments.
- Pick up all books, papers, folder, trash, etc.; Respect your classmates and clean up after yourself!!
- Please make sure your desk is correctly placed before leaving the classroom.
- I dismiss you, not the bell; Leave only when you are dismissed.
- Please take note of the location of all trash cans in the room.

## Food and Drink during class: (during designated breakfast/snack/lunch)

- No food may be eaten during instructional time
- No Sunflower seeds or Kool-Aid/Fun-dip EVER
- You may have a water bottle only in class
- Plastic bottles only (no glass)

*\*All school rules and codes of conduct as described in WMS and ECBOE codes of conduct will be strictly enforced.\**

**\* These procedures may be altered at the teacher's discretion. \***

-----CUT HERE-----

**\*\*PLEASE RETURN THE SIGNED PORTION OF THIS PAGE TO YOUR CHILD'S TEACHER. STUDENTS, YOU WILL NEED TO KEEP THE SYLLABUS PAGES IN YOUR NOTEBOOK!!! RETURN TO Ms. COOPER BY: FRIDAY, AUGUST 9, 2024.**

## Student:

I have read & understand the guidelines, responsibilities, & procedures of Ms. Cooper's Math 8 class. I agree to follow the guidelines & procedures set forth in this packet.

\_\_\_\_\_  
Printed Name of Student

\_\_\_\_\_  
Signature of Student

**Parent/Guardian:** I have read & understand the guidelines, responsibilities, & procedures of Ms. Cooper's Math 8 class. If I have any questions, concerns, or problems, I will contact Ms. Cooper.

\_\_\_\_\_  
Printed Name of Parent/Guardian

\_\_\_\_\_  
Signature of Parent/Guardian

\_\_\_\_\_  
EMAIL ADDRESS

\_\_\_\_\_  
DAYTIME/CELL PHONE

