



6th-8th Grade Exceptional Mathematics
Ms. T. Ford
Appointments/Meetings: M-F 8:40am-9:50am
Before and After School by Appointment Only
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314-652-9282

6th -8th Grade Mathematics

Course Description:

In 6th-8th Grade Exceptional Mathematics, we will cover number sense, multiplication, division, fractions algebra, geometry, data exploration, and money understanding. By the end of the course, students will deepen their understanding of how numbers interact with one another through the four basic functions. Students will be able to apply and extend previous understandings of arithmetic to algebraic expressions and solve one-variable equations. Students will solve problems involving area and perimeter. Students will create and analyze different graphical representations of data. Students will understand how mathematics is used in everyday life and they will be able to apply the problem-solving strategies covered daily in class to work through real world problems.

Text(s):

Savvas
Scholastic (math edition)
IXL

Methods of Instruction:

Direct Instruction

Students receive direct information from the teacher in how to decode word problems, writing, and understanding math vocabulary that they will be expected to record and utilize. When new information and skills are introduced, they are introduced via direct instruction.

Math Learning Centers

Students will have the opportunity to work independent of teacher guidance to building math student's skills, concepts and strategies through the use of Math Learning Centers. Students will be grouped into cooperative learning teams. Within each group they can work independently, in pairs, or as one unit.

Independent Practice

Students begin to master the skill through practicing on their own. After a certain amount of practice, independent assignments will be graded.

Differentiated Work

Differentiated work will be used in order to make sure that each student is being met where they are. This includes the class being split up based on current levels and having peer helpers to assist students that have not yet mastered the subject.

Course Materials:

Notebook (math journal)
Pencils
Color pencils
Loose-leaf paper
Folder/binder

Course Objectives:

To provide students with learning strategies to understand mathematical relationships, graphing, geometry, data and computation so that they may be equipped to solve real world problems and have the foundation needed to find success at every opportunity.

Assignments:

Students will receive a weekly homework packet every Monday and the homework packet will be graded on Friday and returned to students on Monday. Daily students will have classwork to complete, the classwork will be graded and given back to students the next day. Student's math journals will be checked daily and graded daily.

Late Assignments Policy:

Students will have until the end of the quarter to complete missing assignments for half the points.

Exams/Tests/ Quizzes:

Quizzes will be given every Friday. Quizzes is used to gage the students' level of understanding for the current mathematical concept. The quiz will cover all the material that was discussed in the current weeks. Tests will be given at the end of the unit. Students will be allowed to use math journal during quizzes and test.

Grading Criteria:

Classwork 35 %

Participation 20 %

Projects 20 %

Tests 15 %

Homework 10 %

Course Requirements:

- Completion of all assignments
- Passing scores on assignments, quizzes, and tests
- Regular Participation
- Meet goals

Attendance Policy:

It is necessary that students are in school daily for academic growth. If an emergency occurs or scheduled appointments, please notify the school that the student will not be present.

Homework Policy:

The school board establishes the following major purposes of homework for the St. Louis Public Schools: To reinforce the principles, concepts, and information taught and learned in the classroom.

- To assist teachers in assessing the student's comprehension of concepts and skills covered in class.
- To stimulate creative, logical, and critical thought.
- To teach the student self-discipline and self-motivation regarding the responsibility and effort required to complete assignments.

Make Up Work Policy:

Students will be allowed to make up any work assigned during their absence for full credit.

Classroom Routines & Procedures

1. **Entering the room** – Enter quietly and politely, remove your hat if you're wearing one or hood, do not run, sit in assigned seat, and start Do Now assignment.
2. **Lining up** – Stand up quietly; push in your chair, take all necessary items, line up without touching others or talking loudly, face the front of the line, and watch where you are going.
3. **Leaving the room** – Ask permission for where you would like to go, take a hall pass with you, and no horse playing in the hallway/restroom.
4. **Beginning the day** – Enter the room politely and quietly, turn in your homework, get all class materials, sit at your desk and read alone or work silently.
5. **Ending the day** – Clean off your desk, put math journal/notebook in assigned area, pick up any trash around your desk, and wait quietly to be dismissed.
6. **Taking out/putting away/caring for supplies** – Share supplies, recap markers and glue sticks, do not throw supplies, and put all supplies back in the correct location.
7. **Participating in group lessons** – listen carefully for new information, raise your hand to speak, do not speak when someone else is speaking, and be respectful of all opinions and thoughts shared.
8. **Obtaining help with assignments** – Quietly ask the students at your table for help with directions if you need it, if you are working alone raise your hand to get help from the teacher, if you are working with a group ask group members for help in understanding how to complete the assignment or task.
9. **Handing in finished work/homework** – Make sure your name, date, and class period are written in the top right corner of assignment and place your assignment in "finished class work" or "homework" basket.
10. **What to do with unfinished work** – If I ask for work to be turned in, let me know if it isn't finished; if I ask you to keep an unfinished project, put it in your class work folder.
11. **When and how to use the school restroom** – There will be no restroom passes the first 15 minutes of class and the last 15 minutes of class. You must have permission from the teacher and take a hall pass with you.
12. **When and how to use the drinking fountain or sink** – There will be no passes to the water fountain the first 15 minutes of class and the last 15 minutes of class. You must have permission from the teacher and take a hall pass with you.
13. **When and how to use the pencil sharpener** – When you enter the room if you need to sharpen your pencil you may do so quietly and no horse playing. When the teacher is teaching you must get permission before sharpening your pencil.

14. **Getting into work groups** – Take all the materials you will need, greet each other respectfully, complete the task doing your personal best, no horse playing or foul language.
15. **Seatwork assignment** – As soon as you get an assignment print your first and last name, class period, and today's date at the top on the right-hand side.
16. **Getting a tissue** – You may get a tissue whenever you need one out the tissue box, you don't even have to ask, throw the used tissue away immediately and sanitize your hands and make sure it lands in the trash can, and return to seat and get right back to work.
17. **Throwing away trash** – You may throw away trash whenever you need to if I am not providing whole group instructions, do not play basketball with your trash, and make sure all trash lands in the trash can.
18. **Visitors in the classroom** – When visitors enter the room, let the designated classroom "host" or "hostess" greet them, and wait for the teachers next instructions.
19. **Fire drill** – Stop everything, stand up and head for the door quickly but without running or pushing, the first person in line will lead the class outside to assigned area, the last person will close the door, we will wait patiently, calmly, and quietly in line outside in assigned area together until we are allowed to go back in the building.
20. **Signals for attention** – When I need your attention, I will give two hand claps and the class must repeat the hand claps.
21. **Helping other students** – In a cooperative classroom it is good to help one another; if someone needs help with directions or an assignment, help him or her if you are able; if someone needs help with understanding the problem, tell him or her to ask me for help; never put down another student who asks for help, speak respectfully to each other, and respect each other opinions.