

Gr. 6 Period 0 Math

(Math Intensive) Mendenhall Middle School, '25-26

Instructor: TBD

Gmail: TBD

MMS Phone: 925-606-4731

Room TBD

Office Hours: TBD or other days by Appointment

Overview

Welcome to sixth-grade Period 0 math in the morning! This course provides students with a second period of mathematics instruction in order to support students in learning, achieving, and maintaining mastery in their regular Math 6 class.

Key mathematical ideas will be explored as we work with each other on tasks to build and improve our confidence, math skills, conceptual understanding, and growth mindset. Students will build up their math skills in a safe environment with interesting tasks, visual models, number talks, math songs/chants, math games, and growth mindset activities. **Be prepared to work hard, struggle productively, share your creative thinking, make and celebrate mistakes, learn from each other, and have fun!**

California State Standards in Support of Math 6 Class:

The critical areas of Math 6 include:

- ✓ Connecting ratio and rate to whole number multiplication and division, and using concepts of ratio and rate to solve problems.
- ✓ Completing understanding of division of fractions and extending the notion of numbers to the system of rational numbers. This includes positive and negative integers and rational numbers.
- ✓ Writing, interpreting, and using expressions and equations.
- ✓ Developing an understanding of statistical thinking.

Grading Policy and Schoology:

In this Period 0 math support class, students will earn a “pass” or “no pass” grade each trimester, based on classwork and participation. Students who attend class on a regular basis and participate in our daily activities will earn a passing grade. **No homework will be assigned for this class.**

Students will have access to all class information and grades in Schoology. Email is the best way to communicate with me if you have questions.

Math Class Growth Mindset

Key Messages:

1. **Everyone** can learn math to the highest levels with hard work.
2. **Mistakes** are valuable.
3. **Questions** are really important.
4. Math is about **creativity** and **making sense**.
5. Math is about **connections** and **communicating**.
6. Math is about **learning**.
7. **Depth** of learning is more important than speed.

Mustang Musts:

1. Be **Safe**
2. Be **Responsible**
3. Be **Respectful**

Mathematical Practice Standards:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Assessments (Quizzes, Tests)

Students will be able to finish assessments and/or retake assessments from their regular Math 6 class during Period 0 class sessions when additional time is needed. Students will also be able to ask for and receive help and support from their Period 0 teacher on quiz fixes and retake preparation for their regular math class.

Math Help and Math Enrichment

Students are expected and encouraged to ask questions if they are unsure about any concept or want to explore an idea further. Math learning help (including math enrichment/challenge work) is available in many ways:

- ✓ Email specific questions to the teacher.
- ✓ Use teacher-created math help videos and/or answer key documents with worked out examples linked in Schoology. Students may request a special video on a specific topic or problem as needed (for help and hints).
- ✓ Use textbook and online resources such as Khan Academy.
- ✓ Collaborate with a “study buddy”.
- ✓ Make an appointment with the teacher for help.
- ✓ MathCounts enrichment programs will be available for all students (run by parent volunteers) (once a week, before & after school)

Goals and Growth Mindset in Math Class

This year we will have many opportunities to grow and learn together. We will set goals for ourselves and work hard to reach them. Reaching our goals can be scary and frustrating at times. It takes a long time to become an expert at something that you don't yet know how to do.

Scientists have studied the brain and have proven that we can learn and grow our brain by **attempting something new, working really hard at it, and making lots of mistakes along the way.**

Making mistakes is an important part of the learning process. When we struggle with a new concept or skill, and when we make mistakes and learn from them, our brains grow more than at any other time. If we are not struggling, then we have stopped learning. In other words, easy is boring, and effort with struggle makes your brain grow.

Be ready to accept challenges in math class, make mistakes, share your mistakes, and learn from them. Don't give up and always keep trying. Your peers and I will be there to support you in this journey!

Period 0 Math Class Continued:

Technology Tools

1. [Schoology](#)
2. [Classlink](#) (central hub for apps)
3. [Google](#) for Education
4. [DESMOS Activities](#)
5. [Geogebra](#)
6. [Visualpatterns.org](#)
7. [Code.org \(Hour of Code\)](#)
8. [Khan Academy](#)
9. [Prodigy](#)
10. [BigIdeas Math](#)
11. [Youcubed.org](#)

Standards Based Grading (SBG)

4-Point Rubric Grading Scale:

0 - **No Attempt Made**
(no evidence)

1. **Beginning** (weak knowledge)
2. **Approaching** (partial knowledge)
3. **Mastery** (meets expectations)
4. **Outstanding** (exceeds expectations, above mastery)

Rubric Grade to Letter Grade Scale:

0 to under 1.5 = F
1.5 to under 2 = D- to D+
2 to under 2.5 = C- to C+
2.5 to under 3 = B- to B+
3.0 to 4.0 = A- to A+

Please remember...

“Anyone who has never made a mistake has never tried anything new.”

Albert Einstein