

ESM Math

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Google Classroom Code:	Google Classroom Code:
Flip Grid Code:	Flip Grip Code:

Welcome to ESM! The goal of this course is for every student to be ready for college-level mathematics.

In doing this, we will:

- **Become better problem solvers**
- **Increase critical thinking skills**
- **Enhance numeracy**
- **Gain appreciation of mathematics and its applications**
- **Increase perseverance to solve math problems that seem unfamiliar**
- **Work in groups to share mathematics from different perspectives**
- **Improve mathematical communication skills**
- **Overcome math anxiety**

ESM has been designed around a “common core” philosophy. Most days there will be a group activity followed by a group or individual presentation and/or reflection of how the math worked in that activity. The units that will be covered include:

- Unit 1: Problem Solving
- Unit 2: Linear Applications
- Unit 3: Quadratic Applications
- Unit 4: Systems of Equations and Inequalities
- Unit 5: Exponential Applications
- Unit 6: Logarithmic Applications
- Unit 7: Math of Finance

TYPICAL CLASS PERIOD:

- Students will always work in groups sharing ideas and exploring the mathematics of the daily activities.
- As class begins, students will work on the daily two problems displayed on the board, a head problem, or a number sense problem.
- After these, the activity of the day will be introduced. Students will work on this problem in their groups discussing ideas, sharing/comparing different possible methods, discussing options, and exploring possible solutions.
- Some days will involve individual and/or group presentations.
- At the end of each period there will be a time for reflection. Students will explain or extend mathematical knowledge from the day's work, possibly addressing a prompt from the teacher.
- When you are absent, you are expected to communicate with your group and the teacher upon your return to collect any handouts and to discuss due dates. You will be given a reasonable deadline for completion of work.

GRADES:

Grades will be broken down into the following categories:

Participation / Assignments (30%): Students will get points for each day they are present in class and actively working on the activities. Homework will include completion of the day’s activity.

Reflections: Reflections will be student written responses submitted on goggle classroom. Reflections will happen daily based on written prompts from the teacher.

Journals: Roughly three times during a quarter students will have a journal entry asking them to explain or extend mathematical knowledge from the daily lesson or activity. Journals are to be written in essay format with mathematical examples to support the writing. Journals may be revised and resubmitted for additional points.

Individual Quizzes: Quick quizzes will be given periodically. You may make corrections on these quizzes for additional points.

Group Assessments / Presentations (20%): A group quiz will be given at the end of each unit. All students must complete the quiz showing all work. The teacher will randomly select one quiz to be graded for the group. Group presentations may take the place of a unit quiz or be given as an additional assessment.

Individual Assessments (50%): These assessments will occur after each unit, much like a unit test.

The grading scale is as follows:

90 - 100%	A
80 - 89%	B
70 - 79%	C
60 - 69%	D
0 - 59%	F

ROAR EXPECTATIONS	RESPECT	ON TASK	AWARE	RESPONSIBLE
EXPECTED STUDENT BEHAVIOR	Use appropriate language and tone with everyone Respect others’ personal space and property Follow and respond appropriately to directions	Be present - physically and mentally Be prepared for class each day with assignments and materials Take an active, positive role in classroom activities	Be mindful of others’ feelings, opinions, and experiences Help those around you Keep your workspace clean and organized	Be on time and ready to learn Write down due dates for all classes Use technology responsibly Be proactive
Classroom Routine/Behavioral Expectations				
Entering the Classroom	Enter calmly, turn your phones off and put them in location designated by teacher, grab a calculator, and find your seats before the bell rings and get out your materials.			
Starting the Class	To start the class promptly, have your materials ready to go. Students may be starting with a Daily Duo, number sense problem, etc.			
Working in Groups	You are expected to collaborate with other students in class; this will entail being a cooperative member, being an equal contributor, remaining on task, and following the given directions.			
Asking for Help	In-Class: Ask your group members first or consult with other groups quietly. If you still have a group question, raise your hand. Outside of class: Teachers are available before and after school. Arrangements need to be made with your teacher to let him know you will be coming in for extra help. We encourage you to bring your entire group to work with and better understand. OHS has a Math Center open Tue.-Thur. in room 111 from 2:45 - 3:45.			
End of Class	Do not pack up until the bell. Return borrowed calculators or Chromebooks.			