

School Year 2023-2024: Back to School Night @ LJMS

Algebra 1/Algebra 1 HN



Welcome and Introductions



Algebra 1 Content Team

Ms. Vatrice
Gibbs



Ms. Meghan
Hockenbury



Mr. Sam
Shrader



Welcome and Introductions



Ms. Vatrice Gibbs



- ❖ 2nd year at LJMS, 13 years teaching
- ❖ Career-switcher from auto engineering, film/tv production, real estate sales, etc.
- ❖ Bachelor Degree in Engineering
- ❖ Loves traveling, music & eating out (foodie)
- ❖ Mom to a cute 13 year old Yorkie
- ❖ Favorite subject in middle school - Math!



Welcome and Introductions



Ms. Meghan Hockenbury



- ❖ 3rd year teaching at LJMS
- ❖ 21st year teaching overall (taught 2nd, 3rd, and 6th grades at Mosaic Elementary before coming to LJMS)
- ❖ Bachelor's Degree - Sociology
- ❖ Master's Degree - Social Foundations of Ed.
- ❖ Born and raised in Fairfax County
- ❖ Husband is an FCPS teacher, two daughters in 4th and 7th grades, adorable puppy named Mooney
- ❖ Loves traveling and eating out!



Welcome and Introductions



Mr. Sam Shrader



- ❖ 1st year teaching at LJMS
- ❖ Bachelors of Science in Applied Mathematics and Physics
- ❖ Career Switcher from the Construction and Real Estate Industry
- ❖ Father of 4 kids - 17, 16, 15, and 11
- ❖ Herndon Youth Soccer Rec Coach
- ❖ Loves hiking, camping and all things outdoors
- ❖ From Eastern North Carolina
- ❖ Homeschool parent and Stay at Home Dad for the last 6 years



Algebra 1 Curriculum (7th and 8th)

<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>
Expressions and Operations	Functions (Cont.)	Exponents and Radicals	Quadratics
Equations and Inequalities	Lines	Polynomials	Variations
Functions	Systems		SOL & Final Exam Review



We will support social emotional understanding by helping students make sense of problems and persevere in solving them. To effectively engage in complex problem solving, students must be able to stay calm when facing a challenging problem (self-management), recognize when they lack the knowledge to solve a problem (self-awareness), effectively solicit help from others (relationship skills), and learn from others how they solve problems (social awareness).

Class and Assignment Information

What might a “typical” class look like?

Warm Up/Check In	Mini Lesson	Stretch	Activity	Exit Ticket
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Commonly Used Digital Tools for Synchronous Work

- Mathspace (log-in using clever & FCPS credentials) - <https://mathspace.co/us>
- Desmos (graphing calculator) - <https://www.desmos.com/testing/virginia/graphing>
- Edpuzzle (sign in with google account) - <https://edpuzzle.com/>
- Desmos Activities- <https://student.desmos.com/>
- Peardeck
- Jamboard
- Kahoot

Most of the class time will include a number talk, independent thinking time, and collaborative activities (whole group and break-out room small group). We also have an end of class reflection exit ticket. Materials will be posted to Schoology as needed.

Workshop Model

LJMS WORKSHOP MODEL ESSENTIAL COMPONENTS

open-ended tasks
real/ authentic tasks
multiple entry points
differentiated

student-paced
student-driven
varied modalities

INDEPENDENT STUDENT WORK IS DRIVEN BY:



PRODUCT CREATION

Students will produce something each time they engage with the content!
(ex: discussion, tangible product, learning synthesis, reflection)



INSTRUCTIONAL TECH

Students will use engaging instructional technologies to interact with content!



LITERACY ENGAGEMENT

Students will read, write, listen, and/ or speak during every workshop.

GUIDED STUDENT WORK OCCURS IN SMALL GROUP LEARNING:

Teacher will work with students in small groups or individually on skills determined by formative assessments.



WORKSHOPS WILL ALWAYS INCLUDE:

Community Builder & Warm Up
Explicit Skill teaching
Built-in formative checks



Homework Information

What might homework look like for this class?

- Homework will be designed to provide support and deeper understanding of the content presented in class and may be in the form of a game, video, interactive worksheet, discussion thread, or reflection.

Submitting

- Students login to Mathspace via Schoology (Clever) and will submit the assignment by the due date

Commonly Used Tools for Homework

- Mathspace (digital - includes textbook & videos)
- Delta Math (digital)
- paper/pencil

Assessments

- ❑ **Assessments**
 - ❑ Tests - will be given at the end of every unit.
 - ❑ Quizzes - will occur 1-2 times each unit.

- ❑ **Assessment platforms include:**
 - Performance Matters (new)
 - paper and pencil

Communication Protocols

❑ Progress Reports

- ❑ Progress reports will be emailed home at the end of every unit. If students notice a discrepancy in their progress report, please email your teacher immediately.

❑ Feedback

- ❑ Any written feedback for assignments can be viewed on the assignment.

❑ Email

- ❑ If a question arises and you need to email your teacher, a response will be communicated with you within one business day. If an email is sent Friday afternoon, you can expect a response from your teacher at the end of the next school day.