

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

**Algebra 2 Honors**



# Welcome and Introductions



Ms. Meghan Hockenbury



- ❖ 3rd year teaching at Jackson
- ❖ 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 graders, adorable puppy named Mooney
- ❖ Loves traveling and eating out!



# Algebra 2 Honors Curriculum (8th Grade)

## ❑ Essential Standards

<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>
Functions	Applications of Quadratics	Exponents & Logarithmic Functions	Sequences & Series
	Polynomial Equations & Functions		Probability & Statistics
Factoring & Quadratic Functions	Radical Expression & Functions	Rational Expressions & Functions	<b>SOL &amp; Final Exam Review</b>
			<b>Matrices (Honors Extension)</b>



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/>
- Peardeck
- Kahoot

# 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)
- 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 available school day.