

# School Year 2021-2022: Back to School Night @ LJMS

Geometry Honors



# Welcome and Introductions



## ❑ Department Members:

- ❑ Ms. Leigh Reinemann 
- ❑ Ms. Erin Thompson 

### A little about Ms. Reinemann:

- ❖ 9th year teaching at Jackson
- ❖ Bachelor's Degree - Psychology Research
- ❖ Master's Degree - Secondary Math Edu
- ❖ 7 years as a statistician - Gallup
- ❖ Two year old daughter

### A little about Ms. Thompson:

- ❖ 7th year teaching at Jackson
- ❖ Bachelor's Degree - Middle School Math Edu
- ❖ Master's Degree - Secondary Math Edu
- ❖ Originally from Rochester, NY
- ❖ Recently Married and in the process of changing last names

# Overarching course goals

- ❑ *To create geometric models and understand definitions, postulates, and theorems. Attend to and learn how to work with imagery, visualizing, diagramming, and constructing.*
- ❑ *To develop reasoning skills through the exploration of geometric relationships and communicate through proof.*
- ❑ *To represent and solve a variety of practical problems, applying their understanding of geometric attributes while connecting to algebraic reasoning.*

# Geometry Honors Curriculum

## ❑ Essential Standards

<b><u>Quarter 1</u></b>	<b><u>Quarter 2</u></b>	<b><u>Quarter 3</u></b>	<b><u>Quarter 4</u></b>
Geometry Basics	Properties of Triangles	Right Triangles	Solids
Logic and Reasoning	Triangles & Triangle Congruence	Polygons	Transformations
Parallel and Perpendicular lines	Similar Triangles	Circles	SOL & Final Review

# Geometry Honors Curriculum cont.

- ❑ These content emphasize & reflect the mathematical understanding and real world applications necessary in providing a solid foundation.
- ❑ 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/Examples of Classwork

- Mathspace (sign 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 - (join a session with a code given by teacher) <https://www.peardeck.com/>

The following tools will be used throughout the year and links will be posted in Schoology as new assignments are given:

- Padlet
- Jamboard
- Kahoot
- Wizer
- Quizizz

# Homework Information

## ❑ Examples of Asynchronous Work

- ❑ A variety of review will be given using the aforementioned commonly used digital tools.

## ❑ Where

- ❑ All Asynchronous work will be posted on Schoology

## ❑ Submitting

- ❑ Asynchronous work can be turned in on Schoology after the assignment has been completed. Students will also be able to see feedback from their teachers in the feedback section of the assignment.

# Assessments and Grading Policies

## ❑ Grading Design

- ❑ A rolling gradebook will be utilized this school year, which allows for progress toward a final mark that captures the total picture of student grades, regardless of length of quarter or number of assignments in each quarter. A rolling gradebook allows for *flexibility and equitable grading practices* given the uncertainty of this school year.

## ❑ Assessments

- ❑ Mastery Checks: Given at the end of every unit
- ❑ Quizzes: Given 1-2 times per unit

# Communication Protocols

## ❑ Progress Reports

- ❑ Progress reports will be emailed home every 2-3 weeks. 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 Schoology assignment.

## ❑ Email

- ❑ If a question arises and you need to email your teacher, a response will be communicated with you within 24-48 hours. If an email is sent Friday afternoon, you can expect a response from your teacher at the end of the next available school day.