

School Year 2020-2021: Back to School Night @ LJMS

Geometry Honors



Welcome and Introductions



❑ Department Members:

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

A little about Ms. Reinemann:

- ❖ 8th year teaching at Jackson
- ❖ Bachelor's Degree - Psychology Research
- ❖ Master's Degree - Secondary Math Edu
- ❖ 7 years as a statistician - Gallup
- ❖ One year old daughter (who is teething)

A little about Ms. Thompson:

- ❖ 6th year teaching at Jackson
- ❖ Bachelor's Degree - Middle School Math Edu
- ❖ Master's Degree - Secondary Math Edu
- ❖ Originally from Rochester, NY
- ❖ Getting Married in April 2021! (Formally July 2020 - delayed due to COVID)

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

<u>Quarter 1</u>	<u>Quarter 2</u>	<u>Quarter 3</u>	<u>Quarter 4</u>
Line Basics	Properties of Triangles	Properties of Quadrilaterals	Intro to Right Triangles and Pythagorean Theorem
Parallel and Perpendicular lines	Congruency	Area and Length of Circles	Properties of Special Right Triangles
Angle Relationships in Lines	Similarity	Solids	Trigonometric Ratios and Applications of Trigonometry

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)?



LJMS Weekly Schedule



Virtual Weekly Schedule

Monday	Tuesday	Wednesday	Thursday	Friday				
Intervention	ODD Red Day	EVEN White Day	ODD Red Day	EVEN White Day				
English 8:30 - 9:15 Math 9:15-10:00 Social Studies 10:00-10:45 Science 10:45-11:30 CTE (Engineering and Computer Solutions) 12:00-12:45 World Languages (Spanish, French, Chinese) 12:45-1:30 Art, Drama, & Music (Chorus, Orchestra, Band) 1:15-2:00 PE 1:45-2:30	Bell Schedule by Period 7:30- 8:50: Period 1 9:05-10:25: Period 3 10:35-11:10: Lunch 11:20-12:40: Period 5 12:55-2:15: Period 7	Bell Schedule by Period 7:30- 8:50: Period 2 9:05-10:25: ADVISORY 10:35-11:10: Lunch 11:20-12:40: Period 6 12:55-2:15: Period 8	Bell Schedule by Period 7:30- 8:50: Period 1 9:05-10:25: Period 3 10:35-11:10: Lunch 11:20-12:40: Period 5 12:55-2:15: Period 7	Bell Schedule by Period 7:30- 8:50: Period 2 9:05-10:25: FLEX <table border="1" data-bbox="1373 628 1626 714"> <tr> <td>9:05-9:40</td> <td>FLEX Rotation 1</td> </tr> <tr> <td>9:50-10:25</td> <td>FLEX Rotation 2</td> </tr> </table> 10:35-11:10: Lunch 11:20-12:40: Period 6 12:55-2:15: Period 8	9:05-9:40	FLEX Rotation 1	9:50-10:25	FLEX Rotation 2
9:05-9:40	FLEX Rotation 1							
9:50-10:25	FLEX Rotation 2							

Department Weekly Schedule

❑ BBCU Links

- ❑ BBCU links have been emailed to individual students using their FCPS email accounts. Please encourage students to save these links in their virtual planner. Detailed videos for help with this are in the Class of 2025 Google Classroom.

❑ Office hours

<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
Intervention ONLY	ODD Red Day	EVEN White Day	ODD Red Day	EVEN White Day
		<u>Geometry Office Hours</u> 2:30-3:30 (use BBCU link to attend)		

Students should make appointments with their teachers ahead of time.

Synchronous Work

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 Google Classroom or BBCU as new assignments are given:

- Padlet
- Jamboard
- Kahoot
- Wizer
- Quizizz

Asynchronous Work

❑ 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 Google Classroom

❑ Submitting

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



Schoolwide Category Types and Comments

Assignment Category Types	% of the Student Grade
Major Work (inclusive of Projects, Labs or Assessments)	40%
Classwork/Asynchronous Work (Practice/Extensions)	50%
Participation*	10%

*Participation is defined as an opportunity for students to process and/or reflect on content in their learning. Students will have multiple opportunities to capture learning progress through activities such as quickwrites, polls, exit tickets and quizzes.

School Wide Gradebook Comments (SIS View)

Comment	Value	Remove When Scored
Missing - may still be turned in for credit	50%	Yes
Late - NO penalty will be applied.	-	
Absent - Student was absent, work must be completed	-	Yes
Excused - excused from doing 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

- ❑ Tests: 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 Google Classroom 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.