School Year 2022-2023:
Back to School Night @ LJMS

Geometry Honors

Welcome and Introductions

- **Department Members**:
  Mrs. Maryam Shisheboran

- Originally from Iran
- 4th year at LJ
- MA in Textile Engineering & MBA
- I have a 15 year old daughter
- I love walking, reading, and making jewelry
- I am a student at JMU

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

These are the specific topics that will be taught in this class throughout the school year. Major projects will be completed primarily in class.

- Geometry Basics
- Logic and reasoning
- Parallel and Perpendicular Lines
- Properties of Triangles
- Triangles and Triangles Congruence
- Similar Triangles
- Right Triangles
- Polygons
- Circles
- Solids
- Transformations

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	Activity	Exit Ticket

- **Commonly Used Digital Tools:**
  - Mathspace (sign in using clever & FCPS credentials) - https://mathspace.co/us
  - Desmos (graphing calculator) - https://www.desmos.com/testing/virginia/graphing
  - Desmos Activities- https://student.desmos.com/
  - Edpuzzle (sign in with google account) - https://edpuzzle.com/
  - Peardeck - (join a session with a code given by teacher) https://www.peardeck.com/
  - Kahoot
  - Quizizz
  - Google Slides, Google forms, and Google drawings

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.
- **Commonly Used Tools for Homework**
  - Mathspace (digital)
  - paper/pencil
  - Quizizz (digital)
  - Desmos Activities

Assessments and Grading Policies

- **Grading Design**
  - Grades will appear in SIS ParentVUE/StudentVUE as the gradebook of record (not Schoology). This course will use a traditional gradebook to determine quarter and final grades for the year. Quarter and final grades will be calculated using total points where each assignment is worth a set number of points.
- **Assessments**
  - Tests: Given at the end of every unit. Tests usually have two parts, online and paper.
  - Quizzes: Given 1-2 times per unit on paper

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

- **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.