Course Overview:
At WUHS we use a curriculum designed by the Mathematics Vision Project (MVP). The MVP classroom experience begins by confronting students with an engaging problem and then allows them to grapple with solving it. As students’ ideas emerge, take form, and are shared, the teacher orchestrates the student discussions and explorations towards a focused mathematical goal. As conjectures are made and explored, teachers use formative assessment to guide students as they embrace effective strategies for analyzing and solving problems. Students justify their own thinking while clarifying, describing, comparing, and questioning the thinking of others leading to refined thinking and mathematical fluency. What begin as ideas become concepts which lead to formal, traditional mathematical definitions and properties. Strategies become algorithms that lead to procedures supporting efficiency and consistency. Representations become tools of communication which are formalized as mathematical models. This is how students learn mathematics. They learn by doing mathematics. They learn by verbalizing the way they see the mathematical ideas connect and by listening to how their peers perceived the problem.

Units and Activities: What will we be learning about and doing in this course?
Throughout this course we will engage with content to build our knowledge and skills. Below is an outline of the units for this course.
Module 1: Transformations & Symmetry
Module 2: Congruence, Construction & Proof
Module 3: Geometric Figures
Module 4: Similarity & Right Triangle Trigonometry
Module 5: Circles a Geometric Perspective
Module 6: Connecting Algebra and Geometry
Module 7: Modeling with Geometry
Module 8: Probability

Standards: What knowledge and skills will I gain by the end of this course?
Anchor Standards: A student will have multiple opportunities to show their proficiency in each Anchor Standard below.
Arguing and Critiquing - Students will learn arguing skills and then be able to critique the work of others.
Using Tools Strategically - Students will use a ruler, compass, protractor, technology and other tools.
Attending to Precision - Students will communicate precisely to others.
Making Use of Structure - Students will look closely to discern a pattern or structure.
Recognizing and Using Patterns - Students notice if calculations are repeated, and look both for general methods and for shortcuts.
Course Standards: This course builds student knowledge and skill using the Common Core State Geometry standards. The course standards for Geometry are:
Circles, Congruence, Geometric Measurement and Dimension, Expressing Geometric Properties With Equations, Modeling with Geometry, Similarity, Right Triangles and Trigonometry

Assessment of Learning:
Assessment Types:
For information about assessment types, scoring, and overall grade calculation: click here.

Communication:
How Do I Access Work from Home, and What Should I Expect?
● All work will be posted in Google Classroom.
● The work will be explained during our in-person meetings and/or by video posted to Google Classroom.
● The work will also be explained in our Class Planner posted to Google Classroom.
● If you have any questions, email your teacher.

How Do I Know What My Grades Are?
● On Summative Assessments, teachers will provide both a 4-point grade and a letter grade.
● You can monitor your progress in the following ways:
  ○ By reading feedback and scoring returned to students on summative assessments.
  ○ By monitoring the scores and Overall Course Mastery Grade in the Parent/Student portal on JumpRope. Reminders to check grades will be sent from the school.
  ○ Communicating with your teacher if you are unclear.

Where Can I Find This Syllabus during the School Year?
● This syllabus will be available on the school website in each subject’s department tab once the school year is up and running. It will also be available in our Google Classroom.

How Do I See What’s Due?
● Assignment and summative assessment due dates with handouts are posted in Google Classroom, with connection to Google Calendar, for student access.

How Do I See What’s Past Due?
● If a student is missing a grade on an assessment, it will be listed in the red “Missing Assessment” section of the JumpRope Parent/Student Portal along with any attachments. Please contact your teacher if you have any questions.

Materials:
Pencil/Writing Utensil
2 Pocket Folder
Clip Board

Schoolwide Procedures:
Please see the Student Handbook for Procedures and Policies related to: Due dates and deadlines, extra credit, retaking assessments, and turnaround time for grade entry.
Personal Mobile Devices: This class will follow the procedures outlined in the student handbook.

Classroom Expectations:
The students will collaborate to create a list of classroom expectations. If you would like a copy please email me.