Who should take this class?

Geometry

- Successfully completed Algebra 1 with a C- or better

Honors Geometry

- Successful completion of Honors Algebra 1 with B or better or Algebra 1 with an A
- Students MOTIVATED TO BE CHALLENGED
  - Genuinely interested in learning math
  - Ready to extend themselves beyond their comfort zone
  - Persistent – unwilling to give up
- Students with GREAT WORK ETHIC
  - Students with DISCIPLINED WORK HABITS
  - Students that are PROACTIVE when help is needed
  - Can handle the nature of a cumulative course
- Students with TIME MANAGEMENT SKILLS

Work Ethic

Geometry	Honors Geometry
• Students should have disciplined study habits – Complete all assignments on time – Check all assignments and assessment for accuracy – get extra practice if incorrect – Seek help in advance to due dates and assessments – Motivated to work through difficult problems – Studies in advance to tests/quizzes	• Students should have extremely disciplined study habits – Complete all assignments on time – Check all assignments and assessment for accuracy – get extra practice if incorrect – Seek help in advance to due dates and assessments – Motivated to work through challenging problems – Studies in advance to tests/quizzes

Background Knowledge

Geometry	Honors Geometry
• Basic Algebra I skills are required, especially basic equation-solving abilities • Time permitted, some concepts may be reviewed as needed	• Thorough knowledge of Algebra I is expected in advance and is used throughout the course • An aptitude for applying previous knowledge to new concepts.

Calendar & Pacing

Geometry	Honors Geometry

- 1st Quarter
- **Unit 1: Tools of Geometry**
- • The students will gain the foundational understanding of geometric vocabulary, formulas, and notations.
- **Unit 2: Reasoning and Proof**
- • The students will apply rules of logic to determine validity of logical statements and arguments..
- **• Honors Topics: Evaluate truth tables and solve problems with three sets using Venn Diagrams.**
- **Unit 3: Parallel and Perpendicular Lines**
- • The students will understand the relationships of angles formed by perpendicular lines and parallel lines cut by a transversal.
- **• Honors Topics: Write a formal geometric proof including algebraic, coordinate, and deductive proofs.**

Lesson Structure & Expectations

Geometry

- Detailed lessons correspond directly to homework assignments and assessments
- Students are expected to take detailed notes and use them to complete homework and prepare for assessments
- Students are guided to make connections between concepts
- Memory retention of accumulated concepts and skills is crucial to the student's success

Honors Geometry

- A teacher will guide students through the new concepts but will not present 100% of the material in class
  - Students are expected to take detailed notes and read their textbook. Students are expected to make connections without explicit details in class.
- In order to be able to supplement the class instruction, each student is expected to:
  - have a well developed mathematical vocabulary to be able to study from the textbook
  - be able to work independently and in small groups.
  - be able to make connections and conjectures based on prior knowledge
- Memory retention of accumulated concepts and skills is crucial to the student's success

Homework

Geometry	Honors Geometry
• Practice, practice, practice – Practice makes perfect! • Similar to the lesson – Class notes will be needed to complete homework assignments accurately • Similar to assessments – Practice and repetition from the homework will prepare the student for assessments • Spend about 30 min every night completing homework or reviewing course material	• Practice, practice, practice – Practice makes perfect! • Students will need to use their class notes and textbook to complete homework assignments accurately • Spend **at least** 45min every night completing homework **and** reviewing course material

Assessment

Geometry	Honors Geometry
• Some assessments are CUMULATIVE • Similar to class notes • Similar to homework • Background knowledge from Algebra required	• All assessments are CUMULATIVE • Similar to class notes • Similar to homework • Background knowledge from Algebra required • Connections between concepts included on assessments • “Think on your feet” questions included in assessments.