

Geometry Syllabus  
School District #622 North High School

**Available to:** Grades 9-12

**Prerequisites:** Completion of Algebra 1A, 1B, and 1C.

Full Year Course, 3 required mathematics credits

**Standards Met:** MN Academic Standards in Mathematics

**Course Description:**

This course will focus on the development of geometric skills with inductive and deductive reasoning. Figures in one, two, and three dimensions will be explored using proof, constructions, and algebra. Geometric concepts will be extended and enhanced by supplemental materials.

**Curriculum:**

- ∞ Various types of reasoning and methods of proof improve critical thinking skills.
- ∞ Properties and theorems of geometric relationships are used to solve real-world problems.
- ∞ The relationships between shape, size and location are used to analyze figures graphically, numerically, and symbolically.
- ∞ Trigonometric relationships and properties are used to solve problems.

**Course Outline:**

- Trimester A:** Chapter 1 Essentials of Geometry  
Chapter 2 Reasoning and Proof  
Chapter 3 Parallel and Perpendicular Lines  
Chapter 4 Congruent Triangles
- Trimester B:** Chapter 5 Relationships within Triangles  
Chapter 6 Similarity  
Chapter 7 Right Triangles and Trigonometry  
Chapter 8 Quadrilaterals
- Trimester C:** Chapter 9 Properties of Transformations  
Chapter 10 Properties of Circles  
Chapter 11 Measuring Length and Area  
Chapter 12 Surface Area and Volume of Solids

**Required Materials:**

- ✓ Notebook or loose leaf paper
- ✓ Folder
- ✓ Calculator
- ✓ Pencils
- ✓ Ruler
- ✓ Compass
- ✓ Protractor
- ✓ 3 packs index cards (one per trimester)
- ✓ \_\_\_\_\_ (to share with class)

Geometry Syllabus  
School District #622 North High School

**Course Requirements:**

- Students are expected to follow all school and math department rules. The tardy policy will be enforced. When a student is tardy five times they receive a detention to be served with the teacher. If a student fails to serve detention, they are assigned a Wednesday school. If a student is tardy more than five times, they will be assigned a Wednesday school.
- Food, beverages, electronics, cell phones, and hats are not allowed in class.
- Students are expected to be in class, prepared and actively participating every day. This includes bringing all needed materials to class: textbook, notebook/paper, pencils, and a TI-83 graphing calculator.
- Activities and homework will be assigned daily. Unexcused late homework will receive partial credit and must be turned in before the Chapter test. If you have an excused absence, it is your responsibility to complete missing work within two days to receive full credit.
- Quizzes and test will include calculator and non-calculator portions. If you miss a quiz or test, a makeup that covers the same material will be available. Tests and quizzes must be made up within one week and can be taken either before or after school, but not during class. All students will take tests and quizzes at the announced time unless they have been absent for two or more consecutive days prior to the test or quiz.

**Grading Procedures:**

Your grade will be based on the following:

- 25% Daily work (homework and classroom activities)
- 10% Skill Review (two required per chapter)
- 55% Tests, Quizzes and Projects
- 10% Final Exam

Grades will be posted on Campus and updated as directed by district policy. Use the Parent Portal to access your grade report regularly.

**Contact Information:**

Teacher: Jennifer George      School Telephone Number: (651) 748-6189  
School E-Mail Address: [JGeorge@isd622.org](mailto:JGeorge@isd622.org)  
Webpage: <http://www.northhighschool.webaloo.com/msgeorge.aspx>

Textbook Webpage: [www.classzone.com](http://www.classzone.com)

Parent Portal: <https://campus.isd622.org/campus/portal/nsp.jsp>

---

*Please complete and return this portion of the syllabus before Friday, September 5<sup>th</sup>.*

We have reviewed the course syllabus for Geometry above, noting policies on grading, calculator need, and Campus progress reports on the Parent Portal.

---

Printed Student Name

---

Parent/Guardian Signature

Date

---

Student Signature

Date