

GEOMETRY

COURSE SYLLABUS 2011 - 2012

Instructor: Dana Culbert

COURSE DESCRIPTION: This course is designed to give students a basic understanding of geometry concepts that they can use in the study of other branches of mathematics in high school and college, in their career choices, or in everyday life. The study of geometry can strengthen a student's ability of analysis and sharpen problem-solving skills. Although geometric theory will be taught in this course, the focus will be on the application of geometric principles.

INSTRUCTIONAL PHILOSOPHY: Students will work independently and in groups to complete course topics. Instruction will be presented through teacher-directed exploration, lectures, Smart Board presentations, study notes, individual research and group projects.

TEXTBOOK: Glencoe's Geometry: Integration, Applications & Connections

CURRICULUM: This course will follow the Ohio State Academic Content Standards.

TOPICS COVERED:

- | | |
|-------------------------------------|------------------------------------|
| Δ Points, Lines, Planes, and Angles | Δ Data Analysis and Probability |
| Δ Reasoning and Proofs | Δ Right Triangles and Trigonometry |
| Δ Perpendicular and Parallel Lines | Δ Circles |
| Δ Congruent Triangles | Δ Polygons and Areas |
| Δ Quadrilaterals | Δ Surface Area and Volume |
| Δ Proportion and Similarity | Δ Coordinate Geometry |
| Δ Transformations and Symmetry | |

*MAJOR COURSE PROJECTS

Notebook – Students will keep a portfolio each chapter.

*Projects may be added and adjusted throughout the year at the discretion of the teacher.

MATERIALS REQUIRED

Calculator - Texas Instrument (TI-30 X IIS)
3-ring binder (3 inches wide) with 5 dividers
Loose-leaf paper

Pencils
Erasers

ATTENDANCE POLICY – This class will follow the TCTC Guidelines on attendance found in your Student Handbook. If you have an excused absence, it is your responsibility to see me for the assignment.

DISCIPLINE: This class will follow the TCTC Guidelines for discipline found in your Student Handbook. General Rules will be handed out at the beginning of the school year.

GRADING SYSTEM – Grades are calculated using the point system. This class will follow the TCTC Guidelines on grading found in your Student Handbook. **The following point values are approximations, and may differ slightly on individual assignments.**

Class work/Homework – on time and complete 5 points
All work must be shown to receive credit

Tests 100 points

Quizzes – They may be announced or unannounced. 20 points

Major Course Projects 100 points

Midterm Exam 100 points

The midterm exam is a separate grade on your report card. It is not calculated in the 2nd nine-weeks grade but it is averaged into the 1st semester average.

Final Exam 100 points

The final exam is a separate grade on your report card. It is not calculated in 4th nine-weeks grade but it is averaged into the 2nd semester average. It will be a cumulative assessment of all topics covered during the year.

The TCTC Grading Scale is:

92 % – 100 %	A
83 % – 91 %	B
74 % – 82 %	C
66 % – 73 %	D
below 66 %	F

If you need extra help during the school year, please see me. I am willing to spend time after school if you make an appointment. You may contact me throughout the year by calling 330-847-0503, my extension is 1017. You can also e-mail me at dana.culbert@neomin.org.

Thank you and have a great year,

Ms. Dana Culbert

I have read and understand the requirements of this class.

Student's Signature

Date

Parent's/Guardian's Signature

Date

E-mail address

Phone #