Geometry

Syllabus

Jackson County High School

606-287-7155

Grade Level: 10   **Prerequisite**: Algebra 1

Classroom: Room 210   **Credits**: 1

Teacher: LaDonna Woods   **Length**: 1 year

Email: LaDonna.Woods@jackson.kyschools.us   **Planning:** 5th Block 1:00-1:55

Course Objective:

Students will acquire and demonstrate knowledge of the concepts, skills, and relationships that make up the Common Core Standards as well as develop the computational skills and problems solving strategies required to be successful in Geometry and Algebra II. Students will develop critical thinking and decision-making skills by connecting mathematical concepts to practical applications needed to be productive members of society.

Course Description:

Geometry is a foundation class of the mathematics curriculum, plain and simple. Geometry, in short, is the study of shapes and the properties associated with those shapes. Your major task in Geometry is to be able to visualize these objects in space and apply the concepts to everyday real-life problems. In addition to constructing objects and applying properties, we will complete several other activities, such as graphing lines, working with circle properties, and trigonometric ratios. We will also participate in many projects geared at enhancing your logical thinking skills and observe many areas such as, architecture, surveying, and construction that utilize geometry concepts. Transformations of these geometric objects are the bases of today's ever-popular video games. We will study transformations using several methods of hands-on activities and computer software.

Attendance Policy:
Same as student handbook
Tardy Procedure:
Students will be considered tardy if they are not in the classroom and prepared for class when the bell rings. Tardy discipline will follow the student handbook.

Grading Policy:

After extra practice, students may retake exams until they have demonstrated mastery of the standard.

9 Weeks	Final Grade
60% Exams	20% 1st Nine Weeks Grade
40% Formative Assessment	20% 2nd Nine Weeks Grade
	20% 3rd Nine Weeks Grade
	20% 4th Nine Weeks Grade
	20% Final Exam

Grading Scale:

Letter Grade:	A	B	C	D	F
Percentage:	100 – 92	91 – 81	80 – 70	69 – 60	59 - Below

Class Expectation:

Students are expected to be prepared for class and do the best to their ability in class. Students should show respect to the teacher and their peers.

Units:

Unit 1: Points, Lines, Angles
Unit 2: Logic and Geometric Proofs
Unit 3: Geometric constructions
Unit 4: Coordinate Geometry
Unit 5: Polygons
Unit 6: Similarity
Unit 7: Transformations
Unit 8: Triangles
Unit 9: Triangle Trigonometry
Unit 10: Circles
Unit 11: Solid Geometry

Note to Parents

Students may get extra help by scheduling a time before or after school with me. Parents will be responsible for picking the students up at the specified time.

If your child has done something wonderful, made improvements or is having problems in class, I would like to contact you. Please provide the following information.

Student Name: _____

Contact Name: _____

Daytime Phone: _____

Evening Phone: _____

If you would like to be put on the distribution list for this class, please give your email address. I will send notifications of upcoming events.

Email: _____

I will use email as the basic form of communication with you.

Thank you,

LaDonna Woods