Pre AP Geometry
Syllabus
2016-2017

Prerequisite: Algebra 1

Welcome to Pre-AP Geometry!!! Success in this course will depend on your effort and willingness to be challenged and meet those challenges with problem solving skills and questions when you do not understand. Much of the material covered this year will be new to you. Growing pains are to be expected and are minimized by redoubled efforts, patience, and perseverance.

Course Description:

In part I, students will study linear and exponential equations and functions. Students will use linear regression and perform data analysis. They will also learn about geometry topics such as simple proofs, congruence, and transformations.
 Part II expands into quadratic, absolute value, and other functions. Students will also explore polynomial equations and factoring, and probability and its applications. Coverage of geometry topics extends to polygon relationships, proofs, similarity, trigonometry, circles, and three-dimensional figures.
In part III, students will expand their understanding of area and volume with geometric modeling, which students will apply throughout the course as they learn new types of functions. Students will study polynomial, radical, logarithmic, rational, and trigonometric functions. They will also learn how visual displays and statistics relate to different types of data and probability distribution

Curriculum

Unit 1: Basics of Geometry
Unit 2: Reasoning and Proofs
Unit 3. Parallel and Perpendicular lines
Unit 4: Transformations
Unit 5 Congruent Tringles
Unit 6: Relationships within Tringles
Unit 7 Quadrilaterals and other polygons
Unit 8: Similarity
Unit 9: Right Triangles and Trigonometry
Unit 10: Circles
Unit 11: Circumference and Area
Unit 12: Surface Area and Volume
Unit 13: Probability

Textbook:

Big Ideas Math Geometry- I have a classroom set. The online textbook is at https://www.bigideasmath.com for use at home. Each student will receive a username and password to access the curriculum.

Grading Policy:

Daily Work 40%
Tests   60%

Absent work: Students have the number of days absent plus one day. It is your responsibility to obtain make-up work. Attendance is key to receiving proper instruction and to success in this course.

Late work: If an assignment is turned in one day late the student can receive a maximum grade of 75 on that assignment. If the assignment is two days late the maximum grade received will be a 50. After two days the assignment will not be accepted and will be a 0. This does not apply to absent work.

Supplies: 3 ring binder (1" - 1.5")
                       3 dividers
                       Pencils
                       Paper (notebook and graph)
                       Tools: protractor, ruler, compass

Class Rules: 1. *Be* in your seat **before** the tardy bell rings.

- o 1st Tardy: Sign tardy sheet, verbal warning
- o 2nd Tardy: Sign tardy sheet, 15 minute detention, parent contact
- o 3rd Tardy: Sign tardy sheet, office referral
- o 3 Tardies count as one absence

2. Be **prepared** for class with all required materials and completed assignments. If you are absent, y**ou** are responsible for requesting make-up work.

3. Work **respectfully** and cooperatively with other students and the teacher. No disruptions that interfere with the teaching/learning process.

4. Stay on **TASK**. Work until your assignment is complete or the bell rings.

5. Follow the school discipline policies in the student handbook. **(NO Cell Phones-texting without teacher permission. $15 fine if phone is picked up and taken to the office.)**

6. Comply with WPHS dress code.

Consequences for breaking the rules:

1. First offense—verbal warning- teacher discretion
2. Second offense— 1 detention-Parent Contact
3. Third offense—office referral- Parent contact

***Severe disruption—immediate office referral

You, as a parent, are an important part of this team. It will take **all** of us working together to help your student reach their potential. I welcome you to my class. Please feel free to contact me anytime.

Sincerely,

Show this letter to your parent or guardian. Have them sign and return the next page by Friday August 28th.

I have read the Pre AP Geometry syllabus. Please sign and return this for your student's first grade in this course.

_____   _____
Student Name   Parent email

_____   _____
Parent or Guardian   Parent Phone