Pre-AP Algebra II Course Syllabus 2008-2009

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Room Number: N121
Lesson Plans: http:\whssmahmass.edublogs.org

Conference Time: 5th Period
Tutorial Times: Before school and after school

Resources and Materials:
- Use of a TI-83 and/or TI-84 and/or TI-89 Graphing Calculator
- Note Taking Guide
- Practice Workbook
- TAKS Workbook
- Organized Mathematics binder (1 ½- to 2 inches) with dividers, College- Ruled paper and graph paper
- Pencils (HB No. 2) (all work should be done in pencil), red pen (for corrections on homework)
- Straightedge for graphical work

Course Description/Objectives:
- Overview: PAP Algebra II is a preparatory course for PAP Pre-Calculus with an emphasis on the study of functions and their relationships.
- Content: Linear, Absolute Value, Quadratic, Square Root, Polynomial, Rational, Exponential, Logarithmic and Trigonometric Functions and their relationships, Conics, Sequences and Series, Probability, Parametric Equations, Vectors, Limits.
- Powers and Factorials: This is the minimum (1-25)^2, (1-12)^3, (1-10)^4, (1-5)^5, 2^(0-12), (1-7)!
- Instructional methods: lecture, discovery and group work.
- Goals: critical reading, analytical thinking, creative synthesis and problem-solving, and attention to detail regarding all Algebra topics.
- Objective: preparation for Stanford, TAKS, End of Course Exam, and Pre-AP Pre Calculus course.
- Major work: Homework, ClassWork, Problems of the Week (POW), Quizzes, Tests, Projects, Exam.

Course Calendar/Schedule:
- Assignments: Homework will be assigned daily; POWs are usually assigned the 1st class day of the week; Projects as assigned.
- Due dates:
  - Homework is due the class following the lesson.
  - TAKS practice problems are due on the 1st class day of the following week.
  - POWs are due on the 1st class day of the following week. The use of study groups to discuss questions and different ways of solution is encouraged.
- Quizzes may or may not be announced in advance – Be prepared at any time for an evaluation of your progress. Expect 2 to 3 quizzes per week over any topic covered.
- Tests and Exams will be announced in advance and may include any material covered including POWs, SAT, ACT, TAKS, etc. (Stanford and TAKS results are Big Test grades).
- Mock Exam: Any mock exam for EOC will be administered on a Friday after school and the following Saturday morning.

Course Policies:
Attendance:
- The student should have telephone numbers of at least two classmates to confirm class lessons and assignments should an absence occur.
- If an absence occurs, the student is responsible for obtaining the missing notes from classmates.
- If an absence occurs, the student is responsible for obtaining any handouts from the teacher.
- For clarification of class material that was missed, attend the tutorials for assistance.
- For foreseeable absences such as field trips, athletic events, etc., notify your teacher in advance and turn in any relevant work early

**Tardies:**
- A tardy is a result of not being in an assigned class seat when the bell rings.

**Class Participation:**
- Students will work cooperatively with their peers and present work on the board when appropriate.

**Guidelines for turning in assignments:**
- All assignments should have your name, date, and assignment description at the top of the page.
- Student work should demonstrate understanding of the problem assigned.
- Each problem solution with appropriate supporting work on all assignments, quizzes, tests, exams where appropriate should demonstrate understanding of the concepts being learned and proper usage of mathematical symbols. An answer without supportive work is not acceptable.

**Make-ups:**
- Homework assignments due on a day of absence should be sent in with another student or turned in on the first day of return to school.
- Homework assigned on a day of absence is due the next day of return. Missed quizzes or tests, due to an absence, are to be taken the first day of return to school.

**Tutorials:**
- All students are encouraged to attend tutorials as needed with any of the PAP Algebra II teachers (E121, S233, N121).
- Tutorials will be available before school or after school by appointment otherwise, in Room N121.
- Students must attend tutorials, if they have a D or F on any Report.

**Class Policies**

**Expected Behavior:**
- Respect each other (instructor, peers and yourself)
- Raise your hand for permission to speak
- Participation in classroom activities
- Completion of all homework assignments
- Late work, when accepted will not be graded out of 100%
- Students are expected to read the lesson in the textbook the first day it is introduced in class
- Be present and on time to class with all necessary supplies
- Participate in independent study groups
- Use the Forum ([http://whsforums.com](http://whsforums.com)) at least once a week to ask questions
- Handle any concerns with maturity and responsibility

**Unacceptable Behavior:**
- Disrespectful to instructor and peers (include using profanity)
- Cheating in any form, such copying, looking at another student’s paper, etc.
- Incomplete or non-existent homework assignments
- Visible cell phones and non-calculator electronic equipment are not allowed in the class

**Grades Determination**
- Overall Six Weeks Grade:
  - Homework 10%
  - Problems of the Week 10%
  - Little Tests/Quizzes 20%
  - Big Tests/Projects 60%
- Bonus Opportunities:
  - Academic excellence demonstrated on problem solutions, projects, etc.
We have read and understand the course description/objectives and class policies as outlined in the Pre-AP Algebra II Course Syllabus 2008-2009.

________________________________________    _______________________________________
Student Name (printed)                                                    Student Signature

________________________________________    ________________________________________
Parent/Guardian Name (printed)                                     Parent/Guardian Signature

________________________________________    _______________________________________
Parent/Guardian Contact Number                                 Parent/Guardian Contact Email

________________________________________
Date

Please note any other information that is relevant to your child’s success in this course.

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