MONTE VISTA CHRISTIAN SCHOOL
MATH 1321 Geometry
Course Syllabus

Course Description:
An introduction to intermediate geometry and basic statistics. Congruence, similarity, volume, and basic trigonometry are taught during the first semester, with graphical and numerical data summary, correlation, probability, and regression lines being the focus of the second semester.

Curricular Mapping:
This course will continue to develop student skills in problem solving and understanding mathematical concepts and methods. A semester of geometric exploration will be followed by a semester in statistical applications, building upon skills acquired in Algebra I and prepare the student for Algebra II and Precalculus.

Course Objectives:
Upon the successful completion of this course the student will be able to:
1. Analyze and solve complex problems involving shapes, angles, volume, similar figures, and trigonometry.
2. Communicate an effective mathematical argument for the truth of a mathematical conjecture.
3. Summarize data, understand probability, and explore the connections between bivariate data sets.

Text:
Your necessary digital texts for this class will be part of a "Required Course Materials Fee" thru the EdTech bookstore. This is a bundle purchase of digital texts for your full schedule of classes and will be available for purchase after 7/18/16. For further instructions please visit the 16-17 School Year icon on the MVCS homepage. Please note: some courses may require additional purchases outside of the course materials fee.

Course Outline and Requirements:
1. Finding Angle Measures
2. Exploring Triangles and Circles
3. Trigonometry
4. Area and Volume
5. Displaying Data with Graphs
6. Summarizing Data with Statistics
7. Probability

8. Correlation and Linear Regression

There are one or more quizzes and usually one test corresponding to each chapter. Each night there will be homework except for the night after a Chapter Test.

Grading:
Each student's *quarter grade* will be determined as follows:

Grade Book Categories		Semester Weighted Grading Configuration	
Notebook, Participation, Projects	15%	Quarter	40%
		Quarter	40%
Homework	20%	Final Exam	20%
Quizzes	25%		
Tests	40%		

Explanation of Grade Book Categories

Homework Expectations – Students on average should expect 30 minutes of homework per class meeting.

High School Standard Grading Policy:
Please refer to the policy and procedures posted online in our Parent-Student Handbook.

Class Policies:
Students who earn a C or better in both 1st and 2nd semesters of this class can advance to the next mathematics course at Monte Vista. Students who earn an F need to repeat the class (often accomplished in summer school). It is recommended that students who receive a D repeat the course to enable them to be successful in future mathematics courses. In addition, a D is not considered a passing grade by some universities (for example, the University of California), so the student will not receive college credit for the course in these cases unless it is repeated and passed with a C or better.

To highlight some aspects of school policy regarding exams: A student whose first day of absence is on an exam day must take the exam on the day he/she returns to school. Be prepared to take the test on the day you return to school. Also, talking during a test, not keeping answers

or work covered, or looking at someone else's paper may result in a zero grade for that test or quiz. Anyone cheating or allowing other students to cheat will receive a zero on that assignment.

School Policies and Expected Student Learning Results (ESLRs):
Students are subject to all academic policies of the school as found in the Parent-Student Handbook. Furthermore, it is each student's responsibility to read and follow all academic policies of Monte Vista Christian School. In addition to addressing each ESLR every year, we target a specific ESLR each academic year for particular focus.

Miscellaneous:
Required Materials: Every student is required to bring the following items to class each day:
- Pencil (preferably mechanical)
- Eraser (a whole separate eraser is recommended rather than the ones on the end of pencils)
- Red pen
- Graph paper
- Compass and Protractor
- Calculator: Please find a basic scientific calculator like the TI-30XS. The students cannot use a graphing calculator or a calculator that solves equations. The teacher will be providing procedures for using the TI-30XS to solve problems, and students with other scientific calculators need to understand how to accomplish the same steps on their particular calculator.
- iPad: charged and ready to use, with all school-wide required apps
- Geometry iPad apps: We will be using up to $10 in app purchases during the class year.