

MONTE VISTA CHRISTIAN SCHOOL  
MATH 1331 Geometry Honors  
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 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:

<u>Grade Book Categories</u>		<u>Semester Weighted Grading Configuration</u>	
Math Binder, Participation, projects	15%	Quarter	40%
Homework	20%	Quarter	40%
Quizzes	25%	Final Exam	20%
Tests	40%		

Explanation of Gradebook Categories

Homework Expectations- Students may expect about 45 minutes of homework daily.

Honors Expectations:

**It is assumed students entering this course have received at least a 90% in both semesters of Algebra 1 and scored as “Geometry Honors” on the STAR Test.** Students who do not meet these prerequisites will probably be overwhelmed with the pace, additional homework, and difficulty of the problems in this class. For those who have met the prerequisites and are ready for extra work and challenge, this course will be another step in their mathematical development.

High School Standard Grading Policy:

Please refer to the policy and procedures posted online in our Parent-Student Handbook.

Class Policies:

1. Attendance: Consistent attendance contributes to success in class. Students who are part of the learning process in class find the homework easier and understand the material better. Missing more than one class day usually requires some kind of tutoring for the student to catch up, so make every effort to come to class and actively participate while you are there. Participation points are only earned when the student is in class regardless of the reason for the absence.
2. Late Work: Late homework is not accepted unless you have an excused absence on the day it was due. At the beginning of the month each student receives a Homework Pass that can be used in place of a homework assignment. At the end of each semester, each pass you do not use is worth 10 homework points of extra credit. Students who know they will be missing class for sports, music, or family events need to inform me ahead of time and hand in all missed assignments on the first day back in class.

### 3. Other guidelines

**Pencil Policy:** All work done (like notes, homework, quizzes, tests, Math Labs) must be done in pencil. Work not in pencil will receive an automatic 20% reduction in scoring.

**Exam Electronics Policy:** Students are allowed to use calculators on some exams (quizzes and tests), while other exams must be completed without calculators. Other electronic devices are not allowed during exams (this includes electronic dictionaries). iPods and cell phones are not allowed in class at any time.

**Exam Makeups:** 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)
- Red pen
- Graph paper
- Binder section for keeping organized homework and quizzes
- Quality 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.