MONTE VISTA CHRISTIAN SCHOOL

MATH 01 Math 1

Danielle Brown

Course Syllabus

Course Description:
This course is a full-year course that serves as a transition from elementary arithmetic to higher level mathematics. Students will continue to expand their knowledge in the areas of number sense, algebra, statistics, probability, patterns, relationships, and functions. For those students who find mathematics to be an "obstacle course," this course grants additional time and opportunity to learn and master basics that are critical to success in higher-level mathematics. It is a course that allows students to develop confidence in their ability to later succeed in Pre-Algebra and Algebra.

Curricular Mapping:
This course will continue to build incrementally on the basic arithmetic concepts introduced in elementary. The student will be provided the content that they need to reinforce and extend all number sense computation, pre-algebra, statistics, geometry, and measurement concepts and skills. The students will further develop ability to recognize, use, and express proportional relationships. At the completion of this course the student is fully prepared and equipped to go on to Math II.

School Objectives/ESLRs (Expected School-Wide Learning Results):
Faculty and student emphasis for 2016-17 will be on our Technology ESLR as seen below.

Technology ESLR
In line with the school's Mission Statement, in particular, "dedicated to being a premier college preparatory Christian school", in particular, providing "innovative educational programs that prepare our students for success in life," graduates of Monte Vista are technologically fluent in current, mainstream computing technologies. A graduate of Monte Vista Christian School:

a) Is technologically fluent in current, mainstream computing technologies.
b) Demonstrate comfort using and adapting to new technologies and operating computing hardware and software.
c) Demonstrate responsible **digital citizenship**, in particular with respect to safety, ownership rights, collaboration, publication, privacy, security and digital footprints.
d) Demonstrate competence in transmitting digital data without the use of paper.
e) Demonstrate competence in producing digital products, such as but not limited to notes, essays, projects, and presentations.
f) Demonstrate on-line research competence to find answers and solve problems in real time scenarios.

Course Objectives:

- Provide the content coverage students need to meet the demands of today's mathematics curriculum.
- Provide students with the opportunity to develop a clearer, deeper vision for using algebraic principles to resolve real-life scenarios.
- Introduce statistics, graphing, probability, and geometry.
- Provide students with the opportunity to apply and sharpen academic skills and tools, including use of technology.
- Work in collaboration with peers toward an objective in project based learning scenarios.
- Develop organizational and time-management skills.
- Develop communication skills—preciseness and clarity of thought in oral and written presentation, listening, giving and receiving feedback, asking for clarification, offering help to classmates, and seeking out resolutions with others.

Texts:

Your necessary digital texts for this class are part of a "Required Course Materials Fee" thru the EdTech bookstore. This bundle has your student's schedule preloaded and the bulk of their required course materials already prepackaged for you. You were sent an email on 7/25/16 with detailed instructions for purchasing and activation. Please note: some courses may require additional purchases outside of the course materials fee.

Required Materials-

Every student is required to bring the following items to class each day:

- iPad that is charged and has the digital textbook downloaded.
- Doceri, Explain Everything, or another screen cast iPad App
- Math Notebook* (1 inch 3 ring binder) with the following contents:
  ** There will be periodic notebook checks throughout the year that count towards the class grade. Students are required to have all of these items to successfully complete the notebook check.*
  1. 4 Dividers
  2. Graph Paper
  3. Notebook paper
  4. Pencil Pouch with holes to be kept inside binder with the following supplies inside:
     - 2 Red pens
     - Mechanical Pencils
     - Lead
     - Eraser
     - Calculator: Ti-30xiis
     - 3 Dry Erase pens

Course Outline

Unit 1. Numbers
Unit 2. Number Operations
Unit 3. Proportionality: Ratios and Rates
Unit 4. Equivalent Expressions
Unit 5. Equations and Inequalities

Unit 6. Relationships in Geometry
Unit 7. Measurement and Data

Students will have varied nightly homework assignments which may include and are not limited to: watching videos on the Math app, researching math-related concepts in preparation for projects, and practicing skills taught in class. They will also have review assignments and written tests and quizzes. They will be required to work with a group of other students for activities and projects.

Grading:
All student grades will be weighted as follows: Assignments 45% Assessments 55%

School Policies:
Students are subject to all academic policies of the school as printed in the Student Handbook, available online. Furthermore, it is each student's responsibility to read and follow all academic policies of the school.

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 materials better. Missing more than one 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.

2. Tardiness
Students need to be in their assigned seat and have their materials ready to begin class when the bell rings. Materials include a pencil, math journal, homework, and pen ready to grade. A student who is not ready to begin class when the bell rings is subject to be marked tardy.

3. Late Work Policy
Homework will be accepted one day late for up to 50% credit. Students will lose 10% per day for late projects/presentations.

4. Absent work
Students with excused absences will have the same number of days to complete missed assignments and tests as the number of days they were absent.

Make-Up Work

Our grading policy allows for make-up work for excused absences. Students with excused absences will have the same number of days to complete missed assignments and tests as the number of days they were absent. For example, a student with two days of excused absence will have two days to complete all make-up work. It is the student's responsibility to determine what work or tests were missed and to make arrangements with the teacher to make up the work. ***A***

student absent on the day of a test must be prepared to take the test upon his/her return. Students are expected to turn work in on time**.**

5. Assignments

In order to receive credit on an assignment, a student must:

- Attempt all of the assigned problems.
- Show all work.
- Turn the assignment in on time.

6. Exams

- If a student is absent the day of a test/quiz, he/she will be expected to make up that exam on the day they return to class.
- Talking during a test, not keeping answers or work covered, or looking at someone else's work may result in a zero grade for that test or quiz. Anyone cheating or allowing others to cheat will receive a zero on that assessment.

Tips for the Students:

- Charge your iPad every night
- Take good notes
- Do your homework on time.
- Participate both individually and in group projects
- Ask questions

Instructor Contact:

1. **Office location and hours: M2**, 7:30-8:00 am (except Wednesdays) or by appointment.
2. **Email:** daniellebrown@mvcs.org

MONTE VISTA CHRISTIAN SCHOOL

MATH01

Danielle Brown, Instructor

Terms of Agreement

This syllabus is a contract between the instructor and the student with a parent/guardian witness. As an instructor of this course, I am committed to abiding by this syllabus. As a student of this course, you also are expected to abide by this syllabus. By signing this Terms of Agreement, you are affirming that you have read and agree to abide by the guidelines, policies and agreements stated in this syllabus.

As a parent/guardian, I have read and agree to support this student in an effort to follow the guidelines, policies and agreements stated in this syllabus.

_____ _____

Parent Signature Date

As a student of this course, I have read and agree to abide by the guidelines, policies and agreements stated in this syllabus.

_____ _____

Student Signature Date