

# MV: Senior Math Concepts



## Syllabus, Rules, Procedures and Expectations

Vikkie's Classroom

Victoria M. Velazquez

2010 - 2011

# Course Topics

## Fall Semester Topics:

- Introduction to Trig Concepts
- Pre calculus & Trig terms, formulas & symbols
- Radians vs Degrees
- Unit Circle
- Senior Math Note Taking Skills

# Course Goals

This course completes and reviews Rainshadow math education with reference to number sense, computation, patterns, functions, spatial relationships (including advanced geometry and trigonometry), pre-calculus, problem solving, and communication as well as making connections across the disciplines. This course prepares students for math applications in careers, higher education, and practical problems solving. It delivers Rainshadow/Common Core standards for mathematics.

This course will begin with an introduction to Trig and Calculus to meet the needs of students who wish to go on to college. Through out the semester the students will practice with Trig. & Calculus topics to give the introduction to a subject that will be required at the University level.

# Daily Expectations

- Copy agenda
- Complete warm-up (when applicable)
- Participate in lectures
- Keep organized notes
- Complete assignments and projects in a timely manner.
- Participate in group projects and class activities.
- Be on time and prepared to learn.
- Be an active participant in your education.

# Classroom Rules

- Food is only allowed in designated areas outside the classroom.
- Water in a clear capped container is allowed except near computers.
- Gum is not allowed in the class and must be disposed of before entering.
- Cell phones are turned off and are out of sight during class at all times. They will be confiscated per RCCHS policy.
- Earphones and music players are not allowed at any time will the teacher is lecturing. BOTH earbuds must be out. If your phone is your mp3 player it is never allowed.

# Using The Pass

- All students need to ask before leaving the room and taking the pass.
- Each student must sign out on the clipboard by the door before leaving the room.
- Write clearly.
- Each student must take the classroom pass with them and return it to its place upon returning.
- Students can only leave the classroom once during the period and for no more than a few minutes.
- If a student consistently asks to leave the room on a daily basis they will be referred to the Deans.
- Students may not use the pass to go into another classroom or visit with other students.
- You may only go to the destination you signed out for if you need to go somewhere else you must return and sign out again.

# When entering the class...

- **Get your folder.**
- **Copy the agenda**
- **Copy the warm-up**
- **Prepare a CLEAN page in your notebook for notes.**
- **If you have missed any work it is your responsibility to find and get the work.**

# Seat Assignments

- For the 1<sup>st</sup> week students may select their own seat.
- Seats will be assigned as of the 2<sup>nd</sup> week.
- Students are to take their assigned seats after retrieving their folder and notebook from the filing cabinet.
- If there is a problem with a seating assignment speak with the instructor in private (preferably after school).



# Notebook Page Set up

Each page must be set up as follow:

- Warm-ups and agendas are on clean pages and are not to be placed on the same page as notes or work.
- Each page must have the date in the upper right hand corner and the titles of the assignment/activity at the top and at the center of the page.
- Each assignment and activity is to be done on a clean page.
- Write clearly and neatly please.
- Work that does not meet the above criteria will not be graded.

# Notebook Page Example

## Date

Upper right hand corner for every assignment and clean page.

## Assignment Title

In the center of the page for every assignment.

31 August 2009

Warm-Up1

# Folders & Notebooks

- Folders & Notebook covers are to be kept graffiti and tagging free
- Notebooks will be re-used/recycled if they have not been filled-up
- Work that has been doodled on or tagged on will not be graded
- Work that is not legible will not be graded
- You are responsible for keeping your work together in your folder
- You are responsible for keeping your work clean and organized
- You are responsible for keeping your work doodle & tag free
- You are responsible for titling and dating your notes correctly
- Work that is not labeled clearly will not be graded

# Homework Policy

- Generally there will be no work assigned that is to be taken home
- **HOWEVER:** If you do not finish your work in class during the time allotted you are required to take work home so that it will be finished by the time it is due.
- There will be little to no make-up days scheduled into class time during the semester
- It is each student's responsibility to make sure their work is completed in time to be graded.
- If you need more time or assistance to complete an assignment it is your responsibility to let me know
- Ample time will be planned for each assignment so that work may be completed in class with assistance from the teacher.

# Daily Points

- Agenda 10
- Daily Participation 10
- Warm-up 20
- Notes 30 to 50
- Projects 100 to 200
- Worksheets 30 to 100
- Define it Sheets 40 to 60
- Reading Intervention 20 per day (80 max per week)
- Quizzes 20 to 30
- Exams/tests 100 to 150
- Extra Credit 10 to 20

# Grading System

- RCCHS will no longer use No Marks (NM) when a student does not pass a course.
- 100% - 95% = A
- 94% - 90% = A-
- 89% - 85% = B
- 84% - 80% = B-
- 79% - 75% = C
- 74% - 70% = C-
- 69% - 65% = D (Previously NM)
- 64% - 60% = D- (Previously NM)
- 59% - Below = F (Previously NM)

# Class Web Page & Contact Info.

- <http://vikkiesclassroom.weebly.com/math-4-math-applications.html>
- Email: [victoria@rainshadowcchs.org](mailto:victoria@rainshadowcchs.org)
- School Number: 775-322-5566

# Tentative Plan

<u>Week / Dates</u>	<u>Monday</u>	<u>Wednesday</u>
1) 8/30, 9/1	Course intro and class expectations.	Weebly
2) 9/6, 9/8	Labor Day: No School	Note Taking skills for Seniors
3) 9/13, 9/15	Introduction/Review to Trig	Introduction/Review to Trig
4) 9/20, 9/22	Pythag. Trig Identities	Pythag. Trig Identities
5) 9/27, 9/29	Law of Sine	Law of Sine
6) 10/4, 10/6	Law of Cosine	Law of Cosine
7) 10/11, 10/13	Radians	Radians
8) 10/18, 10/20	Advanced Measurement Conversions	Advanced Measurement Conversions
9) 10/25, 10/27	Prof. Development: No School	Weebly Posting
10) 11/1, 11/3	Trig Compass	Trig Compass
11) 11/8, 11/10	Trig Functions	Trig Functions
12) 11/15, 11/17	Trig Function Relationships	Trig Function Relationships
13) 11/22, 11/24	Introduction To Calculus	Trig Function Relationships
14) 11/29, 12/1	Integration	Integration
15) 12/6, 12/8	Derivatives	Derivatives
16) 12/13, 12/15	Calculus Identities & Formulation	Calculus Identities & Formulation
17) 1/3, 1/5	Real World Applications	Real World Applications
18) 1/10, 1/12	Real World Applications	Real World Applications
19) 1/17, 1/19	MLK: No School	Semester Weebly Portfolio Completion