Syllabus CP Physics

College Prep Physics (9-12th grades)

The focus of this course will be on Physics principles for Energy and Motion, Electricity and Energy, Wave Theory (Sound and Light), Diversity and Interactions of Matter. This is a one year, 10-unit course
Recommended: Algebra 1-concurrent enrollment

Textbook: Physics – 2005 ed. (Glencoe – Flame on front)

Attendance: Twice a week for 1 hour on scheduled Tuesday and Thursday onsite classroom days, 15 weeks per semester.

Website: http://moodle.thelearningchoice.org/ Find the Physics Class. From this page you can link to view the online edition, watch my PowerPoints from class, do your Chapter homework/GPS or Tests online.

Assignments:

(Must sign on to http://moodle.thelearningchoice.org/ to complete assignments.)

- Assessments: Chapter Tests and Section Assessments will be taken periodically throughout the semester.
- Labs: Students will be completing one lab per week.
- Vocabulary: Students will turn in vocabulary sheets for each Chapter.
- Midterm and End of Course Exam: Students will take a cumulative Test at the end of the first Semester and at the end of the Second Semester.

Grading: (Can be checked on www.engrade.com)

- Chapter Section Assessments 15%
- Formal Lab Reports Write-ups 15%
- Chapter Tests 30%
- Projects/Investigation Report 10%
- Vocabulary 10%
- Mid-Term / Final Exam 20%

First Week Science Assignments: Safety (There are the 5 things to do in the exact order)

1- Watch the Safety PowerPoint
http://www.watchknowlearn.org/Category.aspx?CategoryID=6942

2- Read and Sign the Safety Contract (attached to this syllabus), prepare for an open note Exam.
3- Show what you have learned by completing one of the following (a or b):
   a) Create a PowerPoint page teaching one of the rules, email your page to cristian.aguilera@learningchoice.org
   b) Create a Comic illustration one of the rules. Bring it to class the first day.

Safety Contract

PREPARE FOR LABORATORY WORK
· Study laboratory procedures prior to class.
· Never perform unauthorized experiments.
· Keep your lab bench organized and free of apparel, books, and other clutter.
· Know how to use the safety shower, eye wash, fire blanket and first aid kit.

DRESS FOR LABORATORY WORK
· Tie back long hair.
· Do not wear loose sleeves as they tend to get in the way.
· Wear shoes with tops.
· Wear lab coats during all laboratory sessions.
· Wear safety goggles during all laboratory sessions.
· Wear gloves when using chemicals that irritate or can be absorbed through skin.

AVOID CONTACT WITH CHEMICALS
· Never taste or "sniff" chemicals.
· Never draw materials in a pipette with your mouth.
· When heating substances in a test tube, point the mouth away from people.
· Never carry dangerous chemicals or hot equipment near other people.

AVOID HAZARDS
· Keep combustibles away from open flames.
· Use caution when handling hot glassware.
· When diluting acid, always add acid slowly to water. Never add water to acid.
· Use glycerin and twist slowly at the base when inserting glass tubing through stoppers.
· Turn off burners when not in use.
· Do not bend or cut glass unless appropriately instructed by teacher.
· Keep caps on reagent bottles. Never switch caps.

CLEAN UP
· Consult teacher for proper disposal of chemicals.
· Wash hands thoroughly following experiments.
· Leave laboratory bench clean and neat.

IN CASE OF ACCIDENT
· Report all accidents and spills immediately.
· Place broken glass in designated containers.
· Wash all acids and bases from your skin immediately with plenty of running water.
· If chemicals get in your eyes, wash them for at least 15 minutes with an eyewash.

I, _____, agree to: (a) Follow the teachers instructions, (b) protect my eyes, face, hands and body during laboratory, (c) conduct myself in a responsible manner at all times in the laboratory, and (d) abide by all of the safety regulations specified above.
Signature _____ Date _____
Parent's (Guardian's) Signature _____ Date _____