

Canyon Hills High School Course Syllabus

UCCI Green Up and Go: The Physics of Clean Engineering

Teacher: Daniel Gonia Email: dgonia@sandi.net

Course Description: This course offers students a real world opportunity to discover and understand the principles of physics, engineering, design and green-clean technologies. From electric cars to wind farms, our world is driven by innovations that come to life through the marriage of science and engineering. Students, working individually and in teams, participate in a series of hands-on experimental projects such as building wind generators and personal transportation devices to explore both alternative and traditional energy sources and transportation. This semester-long UC-approved D - lab science course combines elements of physics, engineering and green technology to prepare students for success in college science and engineering as well as careers that can contribute to a greener environment for us all.

Prerequisites: None.

Textbook(s): Students will have access to the curriculum on their Canvas classroom accounts.

Recommended Supplies/Materials: Students are encouraged to have a dedicated single subject, college ruled or graph composition notebook – any color!

Student Fees: Students are not required to purchase anything for the course.

Academic Honesty Policy: All students are expected to abide by the Canyon Hills High School Academic Honesty Policy.

Class Rules and Consequences: Food and drinks are not allowed near the computers - No running or horseplay- Sexual and racial harassment will not be tolerated - No profanity – The use of cell phones and other electronic devices is not allowed during lectures - Appropriate clothing required – Always cleanup after yourself and put tools away. Each time the rules of the class are violated, you will be given a verbal warning. If the student still does not obey classroom rules, it may result in school detention, a phone call home or will lower their citizenship grade. Excessive cases will be given a referral and sent to the school disciplinarian, which may result in other consequences. Please refer to the discipline policy in the student handbook.

CCTE Safety: This course is part of the College Career and Technical education (CCTE) program. CCTE courses are primarily project based courses that integrate core academic subjects with relevant and challenging occupational knowledge. All students enrolled in CCTE courses will have basic safety instruction as well as industry specific safety training.

Academic Grading Policy: Grades are based on the standard percentage scale: 90-100 A, 80-89 B, 70-79 C, 60-69 D, below 60 F. Points are assigned to all assignments, projects, tests, etc. The student is responsible for missed work which must be made up. All students are expected to abide by the Canyon Hills High School Academic Honesty Policy outlined in the student/parent handbook. Students caught cheating will receive a zero for the assignment. The majority of the work in this class should be completed during the class period. There will be some homework assigned throughout the year, but students should have sufficient time in class to complete assignments, otherwise they should be finished at home. Students are expected to complete most assignments in their *Engineering Notebook* and submit other assignments through the Google classroom website. As students have regular opportunities for revision, grades will not round up or down to the next letter grade (e.g. an 89.4% earns a letter grade of B).

Make-up/Late Policy: The student is responsible for missed work which must be made up. There will be a 10% off each day the assignment is late (minimum 50%) after the stated due date. Once the unit test has been taken, work from the previous unit will not be accepted.

Extra Credit: Extra credit will not be offered to increase the scores for assignments or assessments. Rather, students will have the opportunity to raise their grades through retakes and revisions.

Support Policy: Students or parents can request a meeting with me through email anytime. I am also available during lunch everyday and after schools most days.

Online Grade and Course Access: Student grades for assignments will be available online through the PowerSchool Portal. Students will be able to access assignments on the Google classroom. Grades will be updated regularly in order to communicate the most accurate reflection of current performance. Marks for assignments and assessments will be updated no more than two weeks from the collection date.

Canyon Hills High School Citizenship Grading Policy and Purpose: At Canyon Hills High School we are supporting each child’s development in becoming thoughtful and productive citizens who will inherit our global society. With that, we will be explicit and transparent in teaching and modeling for our students how to reach excellence in citizenship. Citizenship grades are the balance of a student’s general work habits, attitude, and behavior in class over the grading period, not the result of one day or one action. It is the culmination of a student’s willingness and efforts to help or hinder the student’s own progress, as well as that of the class and other students. Additionally, they are not an evaluation of the child as a person.

Citizenship: Citizenship grades will be assessed separately from academic grades.

Citizenship Rubric	
Excellent E	<ul style="list-style-type: none"> ● Participation is constructive and elevates the academic environment of the class. ● All absences are excused. Two or fewer tardies. ● Consistently models exceptional behavior and respect for teachers and students. ● Independently prepares for and is engaged in class activities. ● Uses technology to enhance learning, according to teacher policy and permission.
Good G	<ul style="list-style-type: none"> ● Participation is constructive and supports the academic environment of the class. ● All absences are excused. Three or fewer tardies. ● Consistently exhibits respectful behavior towards teachers and students. ● Prepares for and engages in class activities. ● Uses technology appropriately, according to teacher policy and permission.
Satisfactory S	<ul style="list-style-type: none"> ● Participates occasionally; does not distract from the academic environment of the class. ● No more than one unexcused absence. Four or fewer tardies. ● Demonstrates compliant behavior towards teachers and students. ● Prepares for and engages in class activities, with teacher prompting. ● Usually uses technology appropriately, according to teacher policy and permission.
Needs Improvement N	<ul style="list-style-type: none"> ● Seldom participate, or distracts from the academic environment of the class. ● No more than two unexcused absences. Five or fewer tardies. ● Sometimes demonstrates disrespectful behavior towards teachers and/or students. ● Often unprepared for and disengaged from class activities. ● Uses technology inappropriately, not adhering to teacher policy.
Unsatisfactory U	<ul style="list-style-type: none"> ● Does not participate, or distracts from the academic environment of the class. ● Three or more unexcused absences. Six or more tardies. ● Frequently demonstrates disrespectful behavior towards teachers and/or students. ● Unprepared for and disengaged from class activities. ● Use of technology distracts from academic environment.

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Canyon Hills High School Teacher: Daniel Gonia

My signature below indicates I have read and understand the policies and rules of this class and will do my best to fulfill the requirements and expectations.

Student Name (**PRINT**): _____ Period: _____

Student Signature: _____ Date: _____

Parent/Guardian Name (**PRINT**): _____

Parent/Guardian Signature: _____ Date: _____

I prefer to be contacted by:

Phone: _____

Preferred Parent Contact Number(s)

E-Mail: _____

Preferred Email Address