

## **Physics in the Universe Fall 2023 Syllabus**

**Ms Burke**

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### **Introduction:**

Physics is a course that introduces students to the relationships between matter and energy. A knowledge and understanding of the principles of physics not only leads to a profound understanding of the physical world but also supplies the student with the insight to develop new and innovative ideas.

### **Textbook:**

HMH Science Dimensions- Physics in the Universe

We will be using Canvas for our Learning Management System, which is in your CNUSD account. We will be using your Physics book and CK.12.org as a supplemental resource.

### **Materials/Requirements:**

Notebook (composition preferred), graphing paper, ruler, whiteboard marker, scientific calculator, glue stick.

### **Tests/Quizzes: 50%**

Quizzes will occur frequently within each unit to check for comprehension of the material. All quizzes are open science notebook, unless specified. Students will have a test at the end of each unit or when announced, formulas will be provided, but the Unit tests are **NOT** open notebook. The test/quizzes will cover anything in the unit, labs, or lectures. If the student is absent and misses a test or quiz, then they are responsible for scheduling their makeup, but it must occur within a week of the original test date.

Students are able to retake all tests and quizzes once for up to full credit. All quiz retakes must occur before the unit test. In order to retake unit tests, students must submit their science notebook, and complete test corrections. Students will have two weeks to retake tests after they have been graded and returned.

All tests/quizzes/finals/other assigned assessments must be taken in class with teacher supervision. Students may retake assessments during assigned academic Saturday schools.

### **Labs/Projects: 40%**

Labs are an important part of the Physics class, because they help students to better understand physics concepts. At least one lab per semester will require a formal lab report, which will introduce the student to scientific writing where they will investigate physics relationships. These reports will be graded based on provided rubrics. Formal lab reports can be resubmitted to fix errors for full credit after they have been returned. Some labs will require completed accompanying worksheets, which will be graded for accuracy. Most lab materials will be provided however some will require students bring supplies (cardboard, tape, 2-liter bottles, eggs) from home. If a student misses a lab, they have until the Unit Test for that Unit to make it up or they will receive a zero. Work submitted with borrowed data (due to absence) will drop the

lab grade one letter and receive a warning, but resubmissions for full credit are available. Late lab report or worksheet submissions are accepted for full credit until the day of the Unit Test that they are assigned for. If a lab is not submitted it will receive a zero.

Project book pages will be assigned for most topics in each unit (approximately 3 pages per unit). Project books will be provided at the beginning of the semester and will be graded based on the provided rubric. Submissions for project book pages will be on Canvas, and must be individual work. Project books will be available during all quizzes for students to use. Project books will be used for reviewing, and are a great tool for showcasing content knowledge.

Other projects (posters, reports, simulations, gizmos) will be either assigned as individual or as a group. Projects will be graded based on provided rubrics and will be accepted for full credit up until the Unit Test.

### **Homework/Class Assignments: 10%**

Class assignments and homework practice problems should be completed before the posted due date. Activities in Canvas will be graded as they are submitted, and will receive up to full credit until the Unit Test. Activities in the science notebook will be stamped for full credit until the end of the unit and the notebook will count as a large Class Assignment when submitted on the day of the Unit Test. Students have **ONE WEEK** after the unit test to turn in their notebook for late credit (Students will lose 10% off their notebook grade per day late).

### **Extra Credit:**

Extra Credit possibilities may occur throughout the semester, and will be assessed according to the corresponding grading rubric. Submission does not mean full credit. Extra credit assignments must be submitted by their deadline, late submissions will not be accepted.

### **Plagiarism (Academic Integrity):**

Students are to complete their own work. Any sharing of files, assignments, quiz/test questions, and/or notes is considered cheating and a violation of the District's Academic Integrity Policy. Violations of this policy may result in consequences ranging from loss of credit to disciplinary action.

1st Offense: You will receive a 0 with the option to redo. Parents will be contacted.

*Teacher Activity: Teacher email or phone call to parent/guardian*

2nd Offense: You will receive a 0 with no option to redo and progress will be blocked until you contact the teacher. Parents will be contacted.

*Teacher Activity: Phone call to parent/guardian, student must contact teacher, incident added to visits in Q.*

3rd Offense: You will be referred to your site administration for possible disciplinary action.

*Teacher Activity: Teacher refers to admin to contact student to determine course of action, incident added to visits in Q.*

### **Student Expectations:**

Students will complete all assignments; check school email or canvas for announcements/updates; communicate any concerns or questions to the teacher immediately.

**Late Work Policy:**

Students will have until the Unit Test or end of each unit to submit all late work (assignments, labs/projects) and retake any quizzes for full credit. Students can retake Unit Tests for two weeks after they have been graded and returned. Late work submitted past the deadline will not be accepted, and students will receive a ZERO in the grade book.

**Phone/Technology Policy:**

In accordance with the Norco High School Electronic Device Policy, any outstanding use of devices will be reported and treated accordingly. Students may use their phone when specified during labs (video slow-motion recording), and may have it out during individual work specified times. Phones, Smart Watches, and Headphones are not permitted during any quiz or unit test. If a student uses a device during an assessment, they will receive a zero and will be required to retake the assessment.

**Grading Policy:**

100-90: A

89.9-80: B

79.9-70: C

69.9-50: D

Under 50: F

As I accept all late work for up to full credit, and allow retakes on all quizzes and tests, I will NOT round grades at the end of the semester.