



Instructor: Dr. John Duick
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User name: **tssephys**
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Course Description: This course is designed to acquaint students with the ability to explain and predict the outcome of certain interactions which occur between matter and energy. Students will become familiar with the basic concepts of physics and will utilize the scientific method during discovery.

The Salisbury School Honor Code: All work bearing your name implies that you did not receive unauthorized assistance. This includes and is not limited to: exams, quizzes, lab reports, lab notebooks, projects, and some homework activities. There will be some class, group and workshop activities that are excluded from this rule.

CLASS RULES:

- 1) Have all materials* every day.
- 2) You are responsible for all items posted on the website.
- 3) Clean your area before leaving the room.
- 4) The NOs:
 - a. NO removing of face coverings
 - b. NO food or beverages consumed in the room
 - c. NO shouting, or calling across the room.
 - d. NO phones during class (*unless used for taking pictures for online submissions*).

MATERIALS* NEEDED EVERYDAY

- 1) Unlined Composition notebook (free)
- 2) Pencil or mechanical pencil (**no pens! -2pts on assignments**)
- 3) Calculator TI -84, TI-83
- 4) Laptop & Charger
- 5) Glue sticks
- 6) Ruler

***THERE WILL BE NO
SHARING OF
SUPPLIES!***

Virtual Submissions for Classwork, Homework, Assessments, Test, Quizzes, Exams and Lab Reports

In order to reduce the risk of COVID-19 spreading between students and faculty, a virtual submission will be used this year. Assignments and due dates will be posted on the school website, and some assignments and assessments will be submitted via Google Classroom.

Classwork & Homework:

- 1) Assignments and due dates will be posted on the school website.
- 2) A corresponding repository folder will be created in Google Classroom for the assignment.
- 3) Students will complete their assignments in a sewn bound unlined composition notebook in pencil with the following information in the heading
 - a) The assignment **Number** and **Name**
 - b) Your **First Name**
 - c) The **Date**
 - d) Example Shown:

2101 Vocab - Riley M

5/23/20

Section 21.1

- 1) The loudness of a sound wave is measured in decibels (dB)
- 2) The science and technology of sound is known as acoustics.
- 3) The pitch of a sound is how high or low we hear its frequency.

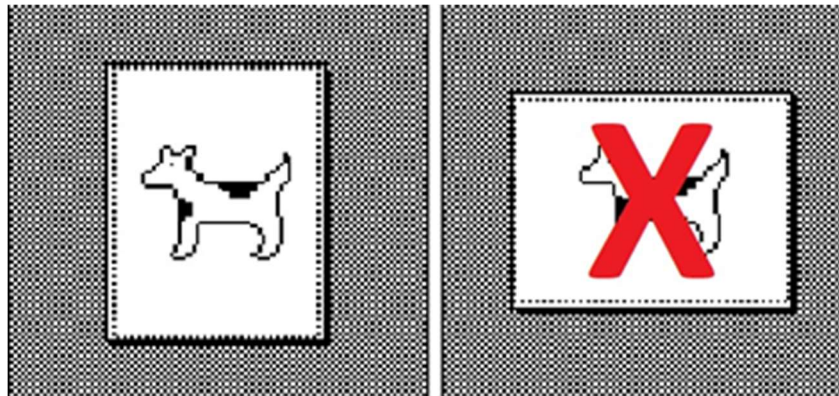
- 4) When completing any math operations, you must
 - a) **Write** the formula
 - b) Show how you **solve** the problem
 - a) All work/steps are to be done in a **vertical fashion**, rather than horizontal
 - c) **Box** your final answer and include **proper units**
 - d) Example Shown:

Physics Example:

Handwritten physics example on grid paper:

$$\textcircled{7} \quad W = F \times d$$
$$2.72 \times 10^4 \text{ J} = 715 \text{ N} \times d$$
$$\boxed{.37.0 \text{ m} = d}$$

- 5) Completed homework will be photographed in **portrait layout** (see image) and inserted into a **Google Document**. You will then upload it to the correct Google Classroom folder.



- 6) Homework assignments **may** be counted for completion **or** accuracy depending on the assignment and the teacher.
- 7) If an assignment is missing, the following actions will be taken:
 - a) **Week 1:** a 50% reduction in points for freshman and sophomores (no late submissions for juniors or seniors).
 - b) **Week 2:** a zero in the gradebook, unless a viable excuse is documented with the teacher.

Test Quizzes and Assessments:

Quizzes will be handwritten and in class (unless given via Google Classroom for an assessment of the material). Quizzes are generally given everyday. Tests and Exams will be hand written and in class (unless given via Google Classroom).

If given via Google Classroom:

- 1) A timed quiz will be posted in google classroom.
- 2) The format of the questions can be multiple choice or handwritten free response.
- 3) When doing multiple choice questions, the quiz will be automatically graded yet not released until I review the results of the quiz.
- 4) A handwritten free response will require you composing your answer in your composition journal, photographing it, and submitting via a google document (as explained in the Classwork and Homework section).

Lab Reports; Scientific writing is very different than writing in other disciplines. We will actually violate “the rules” for concise sentence writing by making the object the subject, using past tense and very limited use of pronouns. This shift in writing may be difficult for some, however I make it a priority to demystify the situation and help you become a proficient science writer. So, periodically there will be individual or group lab reports required from you. I will give you specific guidelines for how these should be constructed and I will periodically workshop with you on how to improve your scientific writing. You may be required to present your findings to the class during the year. These exercises will be instrumental in increasing your scientific communication skills.

Mini Lab reports: On many activities, you will write mini lab reports. An outline will be provided for you on the Google Classroom. All mini lab *reports must be handwritten in your journal*, photographed and submitted through the Google classroom.

Exams

There will be an exam at the end of the year (15%). The exam will be comprehensive on all material covered during the last semester.

Category	Semester 1	Semester 2
Classwork/Homework	65%	60%
Tests/Quizzes	35%	25%
Exam	-	15%

Exploring the Text Book

This year the text book is a series of PDF files available for download on your laptop (drduick.com). My advice is for you to create a folder on your desktop labeled “physics text book” and download all of the chapters. Through out class I will refer to the text and you will have to define words, read excerpts, and answer questions based on the information. This being stated, you will definitely need to bring your laptop every day to class fully charged. The PDFs may be printed out, however this is not mandatory and in some ways unnecessary for some students. If you feel printed word is a necessity for your full understanding, then please print a copy for your use.

Online:

This year I’m going to try my best to provide instructional videos online at drduick.com (click on The Salisbury School logo). These videos will be very helpful if you (or me for that matter) need to be out for any reason during the year. They will be numbered and used as a reference point for homework/classwork assignments. However, they should not be used for completing tests and quizzes.

Pivot Interactives:

There will be online lab simulations with a multitude of questions associated with the activities. A seat in the classroom account will be given to you for completing the lab assignments. Although the classwork/homework will be posted on the school portal and started in class with me, it will be the responsibility of the student to perform the labs and answer the questions independently. <https://www.pivotinteractives.com/>

2021 CPHYS

Dr. Duick

5pts Read this syllabus, and have this sheet signed and returned before the next class meeting time:

I have read the syllabus and understand the criteria by which I will be evaluated:

Student Signature: _____

Student Name (printed): _____

Student phone number, for texting homework updates

Parent Signature: _____

Parent Name (printed): _____

Parent Email