



WELCOME TO PHYSICS

Physics analyzes matter and energy and how they interact with each other. Many students are surprised at the amount of math present in this class. Physics applies mathematics to solve real-world problems. The physics concepts are learned first and then we use formulas to solve problems involving those concepts. It can be puzzling and this class develops the advanced skill of problem solving. Concepts build upon previous concepts as we go, so anything you don't master WILL come back to haunt you in later chapters. Stay on top of things.

BREAK DOWN:

Per quarter:

Exams and Quizzes: 80% Can use 4x6 notecards (2 sides, 1 per chapter) and a calculator

These are the final chance to show that all the other work has led to your mastery of the concepts. That is why these weigh the most.

One opportunity for reassessment is available for each summative assessment. The reassessment grade will be the score that is entered into Skyward to replace the original grade whether it is an improvement or not.

Students wishing to reassess learning goals will have the opportunity to do so if they meet the following requirements:

1. They have attempted all formative assessments (no missing work)
2. They have completed all of the steps outlined by Mrs. Stowell for each learning goal. (these are not graded, but Mrs. Stowell keeps a record of study effort and classroom engagement)
3. They fill out an assessment retake request and meet with Mrs. Stowell to determine the plan of action, evidence of additional learning, and the date of the reassessment.
4. Evidence of the additional learning must be presented to Mrs. Stowell at the latest, the day prior to the scheduled reassessment. This allows her to determine if the student truly is ready to reassess.
5. The reassessment must take place within 2-10 school days of return of the original assessment to the student.
6. If students are hoping to reassess prior to a grade check, they must reassess no later than three school days before the grade check deadline. Any reassessments that occur after a grade check will still be entered into Skyward, but will not affect eligibility.

Mrs. Stowell retains the right to modify any of the requirements if extenuating circumstances occur.

Coursework: 20% All worth 4 points.

Homework:

This is NOT the in text problems you try as you study sections. I generally won't go over those at all. Solutions for those are posted on the website. Generally, this section includes additional worksheets I will assign. Mostly, I check that your homework is done, not correct, for these points. We correct together in class. This encourages you to try problems even if you aren't sure how to do them, and doesn't hurt your grade if you were confused. The goal is for you to find out what you are confused on and learn it before the quizzes and exams.

If you score a 0 - 2, you will leave the room as we correct. This puts you at a disadvantage because you won't be able to watch the solutions when we work them out. You will still need to complete the assignment, for no extra points. When you bring the completed work to me, I will provide you with the solutions for you to correct your own work.

Reading Checks:

After every "study" assignment, you could have a 3 - 4 question quiz on the material. These start very simple and increase in difficulty as your study skills improve.

Exit Tickets:

Occasionally, at the end of class, I will have a check for understanding. Anything that we have covered over the year can be brought back for these. They must be completed during the time limit in class - students may use their notecards.

Per semester:

Quarter One: 40 %

Quarter Two: 40 %

Final Exam: 20 % (cumulative)

ADVICE: To "study" means:

- 1) read the section
- 2) take notes on the section, paying attention to diagrams and example problems
- 3) try the in-text practice problems and check your answers with the solutions posted on the website.

It is NOT simply reading the section. You should be able to solve problems if you've studied well. I generally do not model the simple problems in class. I am assuming you are doing the assigned work of studying.

Have a calculator and use it during class. I document your engagement and consider it when you want to retake a quiz or exam.

Stay on top of the material. If you come to class unprepared, you will struggle to keep up. If you are still confused after lecture, come to Chieftain Time right away.