IB Physics I – Online Course Policy

**The purpose** of this course is to provide a rigorous introduction to Physics, and prepare for the Higher Level IB Physics test. You will be more than prepared for the Standard level. This course is designed **for students that have a strong mathematical background**. The first year we will focus primarily on mechanics - the study of movement, force, energy, momentum, rotational mechanics, statics, and at the end of the year we will do a unit on waves and fluid mechanics.

**The Website-Tutorials/Problem Solutions:** tuhsphysics.ttsd.k12.or.us

**TAG:** Physics is a rigorous course designed to challenge bright and hungry minds. Students that need further accommodation will find that there are numerous challenge activities, as well as open-ended labs that can be expanded and used in lieu of other assignments as negotiated with the instructor.

**The text** we will use is Oxford Physics

**Grading:** I will grade you on a **point system weighted** in the following manner, not total points:

|  |  |
| --- | --- |
| Formative Assessments 10%  Video Flips 10%  Summative Assessments 60%  Labs 20% | A 90%  B 80%  C 70%  D 60% |

**The Model we will use for online learning is this:**

1. You watch a video lesson (Video flip or “VF” on the calendar) and take a short quiz on it (This marks the assignment as “Done” on Canvas) **These are due without fail at 10 am on the day they are due.**
2. In class we will work in breakout rooms on problems. Sometimes there is a warmup. I usually have a few pointers or demos I will share at the beginning of class, and sometimes we will go through problems together, but most of the time is fairly unstructured. I will have a help room open where you can go to ask a question. I may or may not collect your practice work.
3. Before the test on a unit, you will take a practice test (Formative assessment or “FA” on the calendar), and grade it yourself.
4. You will take the tests (Summative assessment or “SA” on the calendar) on the honor system.

There are other activities like labs and interactive lecture demos, and I will explain those as we get to them.

**My Academic Expectations:**

1. **Follow the Calendar and the due dates on Canvas**
2. **Do the video flips before the class they are due**
3. **Participate in your breakout group**.
   1. Un mute your microphone. Even turn on your camera.
   2. Use the chat
   3. Have one person present the problems you are working on
   4. Answer each other’s questions. (Remember, there is the help room if none of you can answer the questions.)
4. Do your assignments on time

If I find that you are not living up to these expectations we will need to have a discussion.

**Formative Assessments** will not be accepted after you take the test that work prepares you for. **Be sure I can tell you have graded your FA when you turn it in.** (Check marks, 10/10, write “All correct at the top) Every FA has an associated website where you can see the correct answers, and how to get the correct answers

**Summative Assessments** are on the Honor system. You are not to share your work on an SA with any other person, you may not help other people working on their SA, nor receive any help on yours. You may not use your phone, or any other materials or information except the ones provided, and your calculator and your brain. You are allowed 2 retakes in the semester. If you do badly on an SA (test) I will give you another test, and you will receive the higher score. Typically, an SA is due before the next day we have class at 10 am.

**Labs:** All labs **can be improved** and turned in until you are satisfied with your grade. It is a good idea for students planning to take the IB test to save their labs so they can refer to them when they get ready to do their internal assessment project their Senior year.

**Video Flips:** This is how you learn how to solve the problems – so it is the most important thing you do except interacting with your peers in class. A video flip is a short lesson on a concept, with an associated quiz. **Video flips are due on the day they are due at 10am with no exception**. If you miss that deadline, you will get a zero. You will still be able to watch the videos, but the quiz at the end will be locked.

**Late work:** Work that is turned in before or on the due dates will be promptly graded and turned back. **Late work** **will be graded as I have time.**  Late work will be assessed a penalty of 10% per day down to 60%. Canvas will treat any fraction of a day as a day, so if you turn it in 24 hours and 2 seconds late, it will be 2 days late and be penalized 20%. I can waive the late penalty if you are sick – so it is important to communicate with me via email when you get sick and are unable to do work on time.

**Missing class:** If you miss class, it is your responsibility to **read the calendar** to see how you can make up work, get notes from someone, and study the missed material from your book or on Canvas. It is important if you miss class that you communicate with me if it means your turning in work late.

**Tracking grades:** You will need to check your scores on line. **It is your responsibility** to keep track of your own grade and inform me of errors I may have made typing in your scores.

**Cheating:** Don't cheat. I define cheating as the improper or undisclosed use of someone else's thoughts, work, or ideas. If I find that you have cheated, two things will happen; I will have a conference with your parents and you, and you will receive **zero** points **permanently** for the assignment, or assessment.

**We will respect** other people in this class. I will not tolerate the isolation and ridicule of any group of people on the basis of their race, gender, sexual orientation, or religion.