

Physics

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Course Description:

Physics is a comprehensive physics course dealing with real world phenomena at the macroscopic, subatomic, and cosmic levels. This course includes problem solving and the use of appropriate technologies for the acquisition, analysis, and presentation of information.

Supplies needed daily:

- Ipad and charger
- Apple Pencil
- Calculator
- Reference Table
- Lab notebook (spiral)

Quarter Grades:

Grades will consist of:

- Homework assignments (inclusive of whiteboarding session participation)
- Weekly Castle Learning (Retry full credit)
- Formal assessments (quizzes and tests)
- Lab participation and reports

Sample Grade Calculation:

This course uses a points system to calculate the grade. The larger the point value, the more your grade is impacted. Please see sample below:

Points earned = current average

Points possible

Points earned: $10+18+31+9+47+15+22 = 152$

Points possible: $10+20+35+10+50+15+25 = 165$

$152/165 = 92\%$

*HS science department has a no extra credit policy

Final Grades:

Quarter 1 25%

Quarter 2 25%

Quarter 3 25%

Quarter 4 25%

Final Exam (2 test grades in quarter 4)

Lab Work:

***See lab format attached, all lab assignments must be hand-written and turned in per person.

Classwork/Homework:

- Grades are calculated based on points; the higher the point value the more it will impact your grade

I am happy to go over your grades with you as often as you like as long as you maintain a point tally sheet for your own records. This includes recording each assignment and the points earned/points possible for every quarter. If you do not keep a point tally sheet, you will be notified of your grade at progress reports and at quarterly report cards (unless I have reached out to you).

- Students will be notified how much each assessment is worth at the time it is assigned.
- Late work will result in a 50% point reduction per day. It is your responsibility to pick up missed work or copy lecture notes from a classmate due to an absence. Once an assignment has been reviewed in class or handed back, no credit will be awarded.
- In addition to some nightly homework, there will be a 25 question maximum Castle Learning assignment due every Sunday by midnight. The purpose of the assignment is to provide consistent, independent Regents practice. The assignments will be based on the previous weeks topics, but may require further independent research; peers, books, the internet may be utilized. These assignments **cannot be turned in late** as they will be posted in advance. Computer issues or games/practices are not an excuse; do not wait until Sunday evening. The lowest Castle Learning grade for the marking period will be dropped in addition to the availability of one make up assignment.

- You must compliment Mrs. Martino once per week in order to enhance her ego and indicate that you have read the entirety of the syllabus; including this ridiculous statement.
- If an absence results in a missed assessment, you will have one week to make up that assessment before it becomes a permanent zero.

Classroom Expectations:

- Students have the right to learn and the responsibility to allow others to learn. Students DO NOT have the right to disturb other students, the teaching process, or the learning environment.
- Disturbances and disruptions will not be tolerated.
- Most often, orderly, meaningful, large group classroom learning will take place. Science improves when *ideas* are shared.

Course Outline:

1. Qualitative Energy
2. Mechanics
3. Energy
4. Electricity
5. Magnetism
6. Waves
7. Modern Physics

Extra Help:

I am available for extra help every day during lunch. Since I teach multiple subjects, please do your best to make an appointment with me so that we can make the best use of our time together. To further indicate the effectiveness of extra help, please bring your most recent classwork/notes with you.

You are also welcome to email me with any questions or concerns at kmartino@blindbrook.org

Academic Integrity

Students involved in dishonest behavior (cheating, copying assignments, and plagiarism) in any regard to his or her work will be subject to an automatic zero on the assignment. Parents will be contacted.

According to our District policy and Family Guidebook, egregious cheating is premeditated cheating.

Examples of such cheating include, among other things...

- Copying of other's work
- Submitting assignments written by others
- Using notes without permission during a quiz or test
- Taking/using test material from a teacher's files
- Using papers, labs, or tests kept on file by other students
- Using technology with stored information on an exam without permission of teachers

* Though this course may involve a substantial amount of group work, it is understood that all written responses must be put into **YOUR** own words!

Please provide an electronic signature on our Google Classroom page from both you and a parent/guardian acknowledging that you have both reviewed and agree to this syllabus.

Lab Report Template- use for all lab reports!

Must be handwritten in pen

Name:

Group Members:

Lab #

Lab Title

Procedure: This is a set of directions not a recollection

Data Tables: Include all trials

Calculations: One sample per calculation, write the full equation and substitute with units

Diagrams:

Analysis: This is an explanation of what your data tables, graphs and calculations mean. This also includes any relationships along with addressing accuracy & precision.

Conclusion: The first sentence of this should address the task that you were given. Then you should discuss any errors (stating "human error" is ambiguous, aka-don't do it). Next based on your cited errors you should suggest solutions to reduce those errors.

Attach any graphs/charts at the back of the lab

