

Physics 1/PRE-AP Syllabus

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Conference periods: See you Google Classroom)

Dear Parents and students:

Welcome to the 2020-2021 school year at Early College High School! We face unique challenges this year that are NOT impossible to overcome! We will all learn new things together that will allow us to work better in an ever changing technological workplace.

I am interested to get to know my students and their families, and am happy to meet or talk with you. Email is the best way to contact me (I cannot respond to student personal emails, only with BISD official email (preferred), GMAIL and LiT email). I am available for meetings and phone calls during my conference period. If you need to reach me during class time, please email, and I will respond in a timely manner (within 24 hours). I look forward to spending time with you this year, and all of the fantastic things that we will accomplish!

Please read this syllabus thoroughly. Most pertinent information regarding my classroom and expectations are detailed in this document. Any questions that you may have regarding this information will be addressed through email or phone.

COURSE DESCRIPTION

The class is an introduction to general physics, including (but not limited to): use of the SI (metric) system, measurements, safety, mathematical calculations, vectors, motion in 1- and 2-dimensions, acceleration and momentum, Newton's laws (of motion and gravity), work & energy, harmonic (periodic) motion, electricity, circuits, waves, magnetism, quantum physics and thermodynamics. I encourage my students and their parents to ask questions about the material and use the internet as a resource to investigate interesting topics. Basic algebra and IPC are prerequisites.

Lab(oratory) work is an integral part of physics, and will be required for a proper foundation in the subject. Initial labs will focus on safety and process operations, such as safe use of equipment and the use of balances. Work will progress to engineering devices used to investigate principles of motion, circuits to investigate electricity and magnetism, experimenting with sound, lights waves, heat transfer, and investigating theories of quantum physics. Experiments are chosen to reinforce the lecture topics.

SUPPLY LIST

The following list contains **NECESSARY** items for this classroom. Please have these items with you at all times, as we will move quickly into "doing science"! If a student is unable to obtain these items, please let me know **immediately** and we will work it out. I want you to be successful and properly equipped! **These items are expected by the MONDAY of the SECOND WEEK of school.**

- ✓ **Scientific Calculator, TI-30 or better (can be found at WalMart for ~\$10)**
- ✓ **Pencils (mechanical preferred)**

- ✓ **4 Spiral Notebooks (College-Ruled; w/ pockets); 1 for each 9 weeks.**
- ✓ **1 3-ring binder to keep handouts in**
- ✓ **Colored Pencils**
- ✓ **Glue Stick**
- ✓ **Scissors**
- ✓ **One Box of tissues**

THE 4 MOST IMPERATIVE CLASSROOM / ONLINE RULES EVER!

1. **Be respectful!** Behave the way you want to be treated. Talking over me, harassing other students, and creating disruptions to learning are unacceptable behaviors. These are signs of an immature student who will not be allowed to participate in class. Always raise your hand when you have a question / comment.
2. **Follow all directions** as they are given to you! Safety is a **serious** consideration in this classroom. Responsibility begins with you! If unsure, ASK!
3. **Be prepared!** Have all class materials ready and available as soon as you walk into the room. ***Time spent looking for supplies is an education wasted.***
4. **Be attentive!** I will ask for your attention, and I expect to be given that respect.

Use of a cell phone or electronic device while I am instructing is rude and disrespectful, and is unacceptable. All cell phones must be kept out of sight during instruction. No cell phone use will be allowed in my classroom

EXPECTATIONS AND CONSEQUENCES

In addition to the classroom rules, all school and district policies apply. State and federal laws also apply at all times, including OSHA requirements for safety. With that being considered, the following consequences will be upheld in a given class period for offenses against the rules stated above. If a student becomes a habitual disruption to the class, more stringent consequences will be given per agreements established during a parent conference. ALL consequences given will be well documented by myself, to be shared with parents and administration at any time. **HORSEPLAY during Labs will not be tolerated and may result in an F for the lab!**

- ✓ **1st offense-** Verbal warning
- ✓ **2nd offense-**Teacher call to parent
- ✓ **3rd offense-** Referral to the principal in addition to parent contact

COURSE GRADING

A standard grading scale will be used (90-100 = A; 80-89 = B; etc). This is a pre-AP course, and that means an A is worth 5 quality points instead of 4. Getting a C in a pre-AP course is nothing to be ashamed of and is like getting a B in a level course!

- ✓ **60%: major tests, major labs, group projects**
- ✓ **40%: class work, quizzes, minor labs**

All late work assignments will be accepted according to district policy. Please refer to the student conduct handbook for more information. Extra credit assignments will be given on a case-by-case basis, as required or expected per district policy.

Academic Dishonesty, i.e., CHEATING: If talking occurs during tests or quizzes, I will assume you are cheating. Cheating will result in a zero for the assignment. In an attempt to clarify possible misunderstandings, LiT faculty and staff have developed some definitions and examples of two types of academic dishonesty: **cheating and plagiarism. Cheating** is defined as the giving or taking of information or material with the purpose of wrongfully aiding oneself or another person in academic work that is to be considered in determining a grade.

Plagiarism, or literary theft, is defined as appropriating the literary composition of another person, including the parts, passages, or language of that writing, and passing off the appropriate material as one's own. Plagiarism is the failure to give proper credit or citation to one's source(s) of information. It includes the failure to use conventional methods of documentation for material quoted or paraphrased. Additionally, plagiarism includes allowing someone else to compose or rewrite an assignment for a student. Some examples of cheating and/or plagiarism include, but are not limited to, the following items:

1. Asking for or giving another student information during a test;
2. Copying answers from another student's paper or intentionally allowing someone to copy from one's own paper during a test;
3. Using materials prohibited by the instructor during a test;
4. Either impersonating another student during a test or having another person assume one's identity during a test.
5. Changing answers on a previously graded test in order to have a grade revised;
6. Stealing examination materials.
7. Copying material, either exactly or in essence, and not providing appropriate documentation;
8. Copying or falsifying a laboratory or clinical project/assignment, including computer programs, in either disk or hard copy form;
9. Allowing someone else to compose or rewrite a student's assignment;
10. Stealing, buying, selling, or otherwise providing research papers.

As with other violations of student conduct, cheating and/or plagiarism may result in disciplinary action.

MAKE-UP WORK FOR ABSENT STUDENTS: It is the student's responsibility to find out missed assignments and also to ensure that assignments are made up. Refer to BISD student handbook for rules pertaining to make-up work. **Any assignment more than 3 days late will be assigned a grade of zero (0).**

TUTORING: Subject tutoring is after school on days to be set by BECHS. Before school tutoring should be set by appointment. All missing assignments must be turned in, and tutoring is required before and retests can be taken. Test corrections will be offered in order to correct back to a seventy (70%).

SUMMATIVE ASSESSMENTS: There will be a minimum of 5 major tests each marking period. Projects will counted 2 test grades.

LABS: Until a lab safety contract has been signed and returned, you cannot participate in labs. Lab grades will typically be weighted 2 or 3 daily grades.

COVID-19 ADDENDUM

The following Procedures are necessary for online learning.

Online LIVE meetings with Zoom, Google Meet, Webex, SKYPE, etc:

LIVE MEETING NORMS:

1. Please make sure I know who you are. Use your real name in the zoom; no aliases.
2. Cameras help us feel connected. It's important to use video and to be aware of your surroundings and lighting. You should always make sure your Mic is MUTED until called upon to unmute.
3. Dress to impress! WEAR CLOTHES!
4. Keep yourself muted unless speaking.
5. "Raise hand" sidebar function will be used in groups larger than 10 to control chaos. I will call on you.
6. Be present. Multitask later.
7. Asking questions in the chat is also acceptable.
8. We can see you chewing. Avoid eating.
9. You will be dismissed from all meetings for misbehavior during ****LIVE**** meetings.

How to MEET LIVE: Best way to enter a ****LIVE**** meeting is to click on the class in the Google Calendar (GC). I use Google Meet (GM) instead of

Zoom for many reasons. Zoom has already crashed, GM has not. Copy and paste this link in your Chrome Browser and read:

<https://docs.google.com/presentation/d/12u-DLFuIHbGJTS4wpU8SKEZW2INbqnxBI6Vbx7OtgSw/edit#slide=id.p>

Email Proper EMAIL etiquette:

Copy and paste this link in your Chrome Browser and read:

https://docs.google.com/presentation/d/1m5ABj5oHe-i78naAzqudN6ceY0a61_PkvzW3Bu7tQEo/edit#slide=id.p

Instruction online will come from a variety of sources: Edmentum, Youtube links, Textbook Links, and from me. Most of the stuff I will do will be showing you how to solve problems in the form of guided practice.

→ SEE Below for the form that **MUST be signed electronically** as a GOOGLE FORM:

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<https://docs.google.com/forms/d/1IuLXY1Z9j5SMelupJX2f8Uxs-5qMQK2FSZBwn9K6r3I/edit>