

AP Physics 2 - Syllabus for 8/31/2020 - 9/11/2020 (Unit 0/1 - Course introductions and expectations, electric forces, electric fields and electric potential)

Unit standards:

Standard 1 - Describe that charge is a property of an object or system that affects interactions with other charged objects or systems, and that the electric charge of a system is conserved unless there is charge transfer with another system.

Standard 2 - Explain how a charged object or system interacts with another object or system that has the same charge, opposite charge or is neutral (both conducting neutral objects and insulating neutral objects).

| Daily schedule | Cohort A | Cohort B |
|-----------------------|--|--|
| Monday, 8/31 | <p>In person - Introduction and welcome to class, go over safety procedures, class expectations, mailbox, etc. and pick up a textbook and formula sheet. Two truths and a lie activity, phone tree, Google Classroom, Remind.</p> <p>Calendar activity</p> | <p>Virtual - Sign up for Google Classroom and Remind. Watch my welcome video and complete the exit ticket.</p> |
| Tuesday, 9/1 | <p>In person - Mindset (Chu video) and academic integrity discussion and scenarios</p> | <p>Virtual - Complete questionnaire as a Google form assignment on Google Classroom.</p> <p>Complete the Flipgrid video introducing yourself to our class by Monday at 11:59 PM</p> |
| Wednesday, 9/2 | <p>Virtual - Complete the pre-assessment (not for a grade) called 'Charged scenarios' today on your own. Then read Ch. 20 in your textbook and take notes. Submit your handwritten notes as a picture or pictures to a shared Google Doc (so make sure to have your name on it). We will have a reading quiz next Tuesday, and you'll be able to use your notes (which count for half the reading quiz score).</p> | <p>Virtual - Complete the pre-assessment (not for a grade) called 'Charged scenarios' today on your own. Then read Ch. 20 in your textbook and take notes. Submit your handwritten notes as a picture or pictures to a shared Google Doc (so make sure to have your name on it). We will have a reading quiz next Thursday, and you'll be able to use your notes (which count for half the reading quiz score). Normally reading quizzes will be at the same time for both cohorts, but this is just one to get your feet wet.</p> |
| Thursday, 9/3 | <p>Virtual - Watch my welcome video and complete the exit ticket. Make sure to sign up for needed things if not already done (Google Classroom, Remind, ExpertTA</p> | <p>In person - Introduction and welcome to class, go over safety procedures, class expectations, mailbox, etc. and pick up a textbook and formula sheet. Two truths and a lie activity, phone tree. Make sure to sign up for any needed things not already done.</p> <p>Calendar activity</p> |
| Friday, 9/4 | <p>Virtual - Complete questionnaire as a Google form assignment on Google Classroom.</p> <p>Complete the Flipgrid video introducing yourself to our class by Monday at 11:59 PM</p> | <p>In person - Mindset (Chu video) and academic integrity discussion and scenarios</p> |

| Daily schedule | Cohort A | Cohort B |
|----------------|--|---|
| Monday, 9/7 | No school, Labor Day holiday | No school, Labor Day holiday |
| Tuesday, 9/8 | <p>In person - Reading Quiz over Ch. 20 (how we'll use the notes)</p> <p>Hands-on lab (with safety) → Triboelectrification of sticky tape</p> | <p>Virtual - Complete the Physics Classroom Interactives on static electricity - (1) Name That Charge and Aluminum Pan Polarization and submit a screenshot with your name on it (or a selfie) and answer questions about the Aluminum Pan Polarization by Monday at 11:59 PM.</p> |
| Wednesday, 9/9 | <p>Virtual - Watch your classmates' Flip videos and comment on at least three of them a comment on the Google Stream by the end of school today.</p> <p>ExpertTA - Work on the tutorial (due at 5:00 AM on Tuesday, 9/15).</p> | <p>Virtual - Watch your classmates' Flip videos and comment on at least three of them a comment on the Google Stream by the end of school today.</p> <p>ExpertTA - Work on the tutorial (due at 5:00 AM on Tuesday, 9/15).</p> |
| Thursday, 9/10 | <p>Virtual - Complete the Physics Classroom Interactives on static electricity - (1) Name That Charge and Aluminum Pan Polarization and submit a screenshot with your name on it (or a selfie) and answer questions about the Aluminum Pan Polarization by Monday at 11:59 PM.</p> <p>Watch video of solving sample problems from Ch. 20 (Coulomb's Law) and complete Ch. 20 Conceptual Questions for class on Tuesday.</p> | <p>In person - Reading Quiz over Ch. 20 (how we'll use the notes)</p> <p>Hands-on lab (with safety) → Triboelectrification of sticky tape</p> |
| Friday, 9/11 | <p>Virtual - PhET simulations for electric 'Charges and Fields'. Complete Part A for class on Monday.</p> | <p>In person - PhET simulations for electric 'Charges and Fields'. Complete Part A in class. Also, work on Ch. 20 Conceptual Questions if time</p> |