

Physics Syllabus for 8/31/2020 - 9/11/2020 (Unit 0-A - Course introductions and expectations, and graphing by hand and with a graphing program)

Unit standards:

Lab Skills and Scientific Reasoning 4 - I can identify patterns in data and represent the data mathematically and graphically, along with providing physical meaning to the slope, y-intercept, and area where appropriate. When making a graph, I can place variables correctly, label axes, and follow other graphing norms to show a possible relationship between two variables.

Lab Skills and Scientific Reasoning 5 - I can use a graphing program such as Graphical Analysis, Logger Pro, or Excel to correctly plot data. I can choose a correct graphical relationship and write the mathematical model for the relationship, if any, that's shown. If necessary I can linearize a graph to better show the relationship.

- Virtual assignments (M, T or Th, F) → Due Monday following the week assigned at 11:59 PM unless noted
- In person assignments → Due dates may vary based on cohort
- Wednesday virtual assignments → Should be completed on Wednesday if possible

All assignments with digital documents will also be posted in Google Classroom

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 handouts from your mailbox.. Two truths and a lie activity, phone tree??, Google Classroom, Remind.</p> <p>Veritasium video - Discussion: What does this mean in terms of our course?</p> <p>Instruction this year will be different, so how can we make it great? Preview to tomorrow's activity</p>	<p>Virtual - Watch my welcome video and complete the exit ticket by Monday at 11:59 PM.</p> <p>Sign up for Google Classroom and Remind.</p>
Tuesday, 9/1	<p>In person - Refresh students about Habits of Mind from yesterday's Veritasium video</p> <p>A puzzling activity (complete in class) with a Google form related to the activity which needs to be completed by Thursday, 9/3</p>	<p>Virtual - School appropriate pop culture Youtube videos on physics - look up two of these with URL and timestamp with one explaining how physics is shown well/correctly and one where the physics is not shown correctly. Complete your part of the shared Google Doc assignment by Monday at 11:59 PM.</p>
Wednesday, 9/2	<p>Virtual - Complete Questionnaire as a Google Form by Monday at 11:59 PM</p> <p>Complete a Flipgrid video describing yourself (2 minutes or less)</p>	<p>Virtual - Complete Questionnaire as a Google Form by Monday at 11:59 PM</p> <p>Complete a Flipgrid video describing yourself (2 minutes or less)</p>
Thursday, 9/3	<p>Virtual - Watch my welcome video and complete the exit ticket by Monday at 11:59 PM</p> <p>Sign up for Google Classroom and Remind if not already done.</p>	<p>In person - Introduction and welcome to class, go over safety procedures, class expectations, mailbox, etc. and pick up handouts from your mailbox.. Two truths and a lie activity, phone tree??, Google Classroom, Remind.</p> <p>Veritasium video - Discussion: What does this mean in terms of our course?</p> <p>Instruction this year will be different, so how can we make it great? Preview to tomorrow's activity</p>

Friday, 9/4	Virtual - School appropriate pop culture Youtube videos on physics - look up two of these with URL and timestamp with one explaining how physics is shown well/correctly and one where the physics is not shown correctly. Complete your part of the shared Google Doc assignment by Monday, 9/7 at 11:59 PM.	In person - Refresh students about Habits of Mind from yesterday's Veritasium video A puzzling activity (complete in class) with a Google form related to the activity by Tuesday, 9/8
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Daily schedule	Cohort A	Cohort B
Monday, 9/7	No school, Labor Day holiday	No school, Labor Day holiday
Tuesday, 9/8	In person - Jigsaw breakdown and discussion Standards Based Grading- discussion, and Q&A Academic Integrity introduction, sample video, and assign groups for Thursday's virtual work	Virtual - Academic Integrity video introduction and sample video Students (in a group assigned from your cohort) evaluate two scenarios based on academic integrity. Each student should post responses (and comment on responses already made) by Friday, 9/11 in the shared Google Doc.
Wednesday, 9/9	Virtual - Graphing pre-assessment (not for a grade): Please submit as a picture or a Jamboard View two of your cohorts Flipgrid introduction videos and comment on at least two of them (kind words!) in a thread on Google Stream today.	Virtual - Graphing pre-assessment(not for a grade): Please submit as a picture or a Jamboard View two of your cohorts Flipgrid introduction videos and comment on at least two of them (kind words!) in a thread on Google Stream today.
Thursday, 9/10	Virtual - Students (in a group assigned from your cohort) evaluate two scenarios based on academic integrity. Each student should post responses (and comment on responses already made) in the shared Google Doc. This should be done by Monday, 9/14 at 11:59 PM.	In person - Jigsaw puzzle breakdown and discussion Standards Based Grading- discussion, and Q&A Academic Integrity - assign groups for Friday's work
Friday, 9/11	Virtual - Complete the Physics Mindset activity by answering questions in the document and watching the video linked in the document. We'll discuss this Monday in class, so it will be due by Sunday, 9/13 at 11:59 PM	In person - Students continue to evaluate two scenarios based on academic integrity. Each student posts responses (and comment on responses already made) in the shared Google Doc. If time - work on the Physics Mindset activity by answering questions in the document and watching the video linked in the document. We'll discuss this in class this week, and I want to look at your responses ahead of time, so it will be due by Sunday, 9/13 at 11:59 PM

