

VLA Physics - Lesson Plans for 8/31/2020 - 9/11/2020 (Units 0/1 - Course introductions and expectations, mindset, expectations, and scientific methodology)

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.

- **Synchronous learning → On Mondays and Thursdays from 2:30 PM - 2:55 PM. I'd honestly like longer than this, but over half of the students have other VLA class schedules with at least some time overlap, and I worked out this time as being open by coordinating with other teachers.**
- **Assignments → Due Tuesday following the week assigned at 12:01 PM, but you should start working on them on or before the day they are assigned in the syllabus**
- **Office hours are from 2:00 - 2:55 PM on Tuesdays and Fridays, although you are free to contact me through Remind or email at many other times**

Daily schedule	VLA cohort
Monday, 8/31	<ol style="list-style-type: none"> 1) Sign up for Google Classroom (an invitation will have been sent to your school email) 2) Read course overview, watch my welcome video (linked in that document), and complete the exit ticket about my video - the exit ticket is an assignment in Google Classroom. Complete this by Thursday, September 3 at noon. 3) Attend the virtual Google Meet at 2:30 PM. To do this, you'll need to be in Google Classroom and click on the Google Meet link code. My goal is to have a recurring meet posted on our Google calendars, which is another easy way to get the link. We'll discuss things from the overview and answer any questions you have.
Tuesday, 9/1	<ol style="list-style-type: none"> 1) Watch the Veritasium video on scientific thinking and answer the Google form. Make sure to give a decent paragraph to this! Due Tuesday, September 8 at 12:01 PM, but try and do this today. 2) Complete a Flipgrid video about yourself (< 2 minutes) and post it. Due Tuesday, September 8 at 12:01 PM. 3) Virtual office hours (just call into Google Meet) from 2:00 - 2:55 PM to answer any questions.
Wednesday, 9/2	<ol style="list-style-type: none"> 1) Complete the VLA student questionnaire and 'turn in'. Due Tuesday, September 8 at 12:01 PM, but try and do this today.
Thursday, 9/3	<ol style="list-style-type: none"> 1) Attend the virtual Google Meet at 2:30 PM. To do this, you'll need to be in Google Classroom and click on the Google Meet link code. Make sure you've read the course overview on grading, as we'll have a synchronous discussion about using <i>Standards Based Grading</i> today which will affect how we proceed. 2) Once you've signed up for Remind, make sure to send me a response today to answer the following question: "How do you want me to get you your lab pack of materials?" 3) Complete the activity and questions with "You've Left me behind, Right?" activity. Due Tuesday, September 8 at 12:01 PM, but try and do this today.
Friday, 9/4	<ol style="list-style-type: none"> 1) Complete the assignment "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 Tuesday, 9/8 at 12:01 PM. 2) Virtual office hours (just call into Google Meet) from 2:00 - 2:55 PM to answer any questions.

Daily schedule	VLA cohort
Monday, 9/7	No school, Labor Day holiday
Tuesday, 9/8	<ol style="list-style-type: none"> 1) Watch my video lecture called Academic Integrity, and complete your comments in the shared Google Doc on how to handle the situation you're assigned by Thursday's synchronous session at 2:30 PM. Each student should post responses (and comment on responses already made). I would recommend completing your responses today. 2) Virtual office hours (just call into Google Meet) from 2:00 - 2:55 PM to answer any questions.
Wednesday, 9/9	<ol style="list-style-type: none"> 1) Graphing pre-assessment (not for a grade). Please submit this as a picture or a Jamboard. You also will want to watch the Jamboard tutorial video that's with the assignment. This is due today since it's an assessment. 2) View a number of your classmates' Flipgrid introduction videos and comment on at least two of them (kind words!) in a thread on Google Stream today.
Thursday, 9/10	<ol style="list-style-type: none"> 1) Attend the virtual Google Meet at 2:30 PM. We'll discuss the Academic integrity scenarios that were assigned on Tuesday and answer any other questions you have.
Friday, 9/11	<ol style="list-style-type: none"> 1) 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 during our synchronous Google Meet, so it will be due by Sunday, 9/13 at 11:59 PM. 2) Virtual office hours (just call into Google Meet) from 2:00 - 2:55 PM to answer any questions.

I always like to put comics on my syllabi. The first one is a bit sad, and the second one should really say 'Snapchat' or 'TikTok'. 😊

