VLA Physics: Syllabus for February 1,2021 - February 12, 2021
Unit 3: [1-Dimensional Motion]

Unit Standards:
- **1-Dimensional Motion 1 -** I can use mathematical models to solve physics problems involving 1-D motion and I can distinguish between vector and scalar quantities in 1-D motion to solve problems appropriately (e.g., the difference distance and displacement, average speed and average velocity)
- **1-Dimensional Motion Standard 2 -** I can draw and interpret motion graphs (position, velocity, acceleration), motion maps, mathematical models, and verbal or written descriptions to represent the motions of constant velocity or accelerating objects, and to determine the correct model of motion (constant velocity, constant acceleration, uniform circular motion, etc.)
- **1-Dimensional Motion Standard 3 -** I can explain the meaning of slope (changing or constant), area and y-intercept as needed for kinematics graphs representing constant speed or accelerated motion, as well as other types of graphs that come up during the course.

Daily schedule	VLA cohort
Monday, 2/1	**Virtual -** Work on the Words and Graphs concept builder from Physics Classroom. This will be due on Wednesday, 2/3 at 11:59 PM. Come to today's Google Meet where I introduce and explain the 'Speeding Up, Slowing Down lab.
Tuesday, 2/2	**Virtual -** Watch the videos for the Speeding Up, Slowing Down lab and fill out all of page 1, and complete the predictions for Pages 2-5 for Thursday's Google Meet.
Weds., 2/3	**Virtual -** Complete the Photo Project Write-Up, and look at the instructions in case you want to change your photo. This is due by 11:59 PM on Friday, 2/5 so I can make a slideshow over the weekend.
Thursday, 2/4	**Virtual -** Come to the Google Meet. We will go over the Speeding Up, Slowing Down lab predictions and watch the additional videos of the graphs. Complete the lab fully and turn in by Sunday, 2/7 at 11:59 PM.
Friday, 2/5	**Virtual -** Complete any remaining work for the Speeding Up, Slowing Down lab Watch the **EdPuzzle Motion and Formulas and Examples Part 1**. Complete the EdPuzzle for this by Tuesday, 2/9 at 11:59 PM but it would be nice if you watched it by the Google Meet on Monday. Complete the weekly check-in form by today at 3:00 PM.

Daily schedule	VLA cohort
Monday, 2/8	**Virtual -** I'll present the slide show of the Physics Photos that were submitted during today's Google Meet. Come to today's Google Meet where we go over some of the mathematics of accelerated motion. If not already done, watch the **EdPuzzle Motion and Formulas and Examples Part 1**. Complete the questions for this by Tuesday, 2/9 at 11:59 PM
Tuesday, 2/9	**Virtual -** Complete the Stacks of Kinematics Curves by filling in the shapes of the missing graphs using Kami. Have these done by Wednesday, 2/10 at 11:59 PM so we can go over them at the Google Meet on Thursday.
Weds., 2/10	**Virtual -** Watch the **EdPuzzle Motion and Formulas and Examples Part 2**. Complete the questions for this by Friday, 2/11 at 11:59 PM.

Thursday, 2/11	**Virtual** - Come to the Google Meet. We'll be going over the Stacks of Kinematics Curves and how to use the formulas and examples in the EdPuzzle videos, along with any questions you have about the mathematics assignment. Attempt all (and upload your work) for the Linear Motion notebook problems by Wednesday, 2/17 at 11:59 PM.
Friday, 2/12	**Virtual** - Activity - Matching car or buggy videos to the Stacks of Kinematics Curves graphs. Complete this by Monday, 2/15 at 11:59 PM. Complete the weekly check-in form by today at 3:00 PM.

We will have a quiz/test over linear motion during the school day on Friday, 2/17

Daily schedule	VLA cohort
Monday, 2/15	**President's Day; no school assignments**
Tuesday, 2/16	**Virtual** -
Weds., 2/17	**Virtual** -
Thursday, 2/18	**Virtual** -
Friday, 2/19	**Virtual** -