

## VLA Physics - Syllabus for January 5 to January 15

### 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, 1/4	No school for students, but a planning day for teachers
Tuesday, 1/5	Virtual - Upload a <a href="#">draft Physics Photo</a> by <b>2:00 PM Thursday</b> so I can get you feedback on it. Start work on the assignments listed below so they don't build up!
Weds., 1/6	Virtual - Complete the " <a href="#">Film that Motion</a> " activity → upload the video and answer the ONE Google Form question by <b>11:59 PM on Thursday</b> this week.
Thursday, 1/7	Virtual - Work on the " <a href="#">Name that Motion</a> " concept builder <b>due on Sunday, 1/10 at 11:59 PM</b>  Come to the Google Meet at 2:30 PM so I can help us 'reset' where we are and where we are going. Also I'm going to go over the Standards Based Grading again, discuss the Photo Project, and introduce the weekly check-in.
Friday, 1/8	Virtual - Complete the " <a href="#">Graph That Motion</a> " activity by <b>Sunday, 1/10 at 11:59 PM</b> .  Fill out the <a href="#">weekly check-in</a> by <b>3:00 PM today</b> .

Daily schedule	VLA Cohort
Monday, 1/11	Virtual - Complete the <a href="#">two TIPERs activities</a> by <b>Tuesday at 11:59 PM</b> (we'll go over these on Thursday)  Come to the Google Meet at 2:30 PM to go over last week's work and explain kinematics graphs and demonstrate the Pivot activity you have tomorrow.
Tuesday, 1/12	Virtual - Complete the Pivot Interactives activity " <a href="#">How fast is that?</a> " by <b>Wednesday at 11:59 PM</b>
Weds., 1/13	Virtual - "Terms and conditions may apply" - Make a brief Flipgrid video explaining your understanding of several terms we'll be using in our study of 1-D motion (I'll provide a list of resources, or you can use your own to research these). Complete by <b>Sunday, January 17 at 11:59 PM</b> .
Thursday, 1/14	Virtual - We'll go over the Pivot and TIPERs during the Google Meet today. Complete the EdPuzzle on

	kinematics problems and graphs by <b>Sunday, 1/17 at 11:59 PM.</b>
<b>Friday, 1/15</b>	<b>Virtual</b> - Complete the “Match that Graph” concept builder by <b>Tuesday, 1/19 at 11:59 PM.</b>
<b>Mon., 1/18</b>	<b>No school for students, Dr. Martin Luther King Jr. holiday</b>