

EC Symposium on Lessons Learned During the COVID-19 Pandemic

Silver Linings: Tools I Will Take With Me When I Leave Virtual Teaching Behind

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Germantown Academy

Pre-Recorded 25 July 2021

Disclosures: NONE

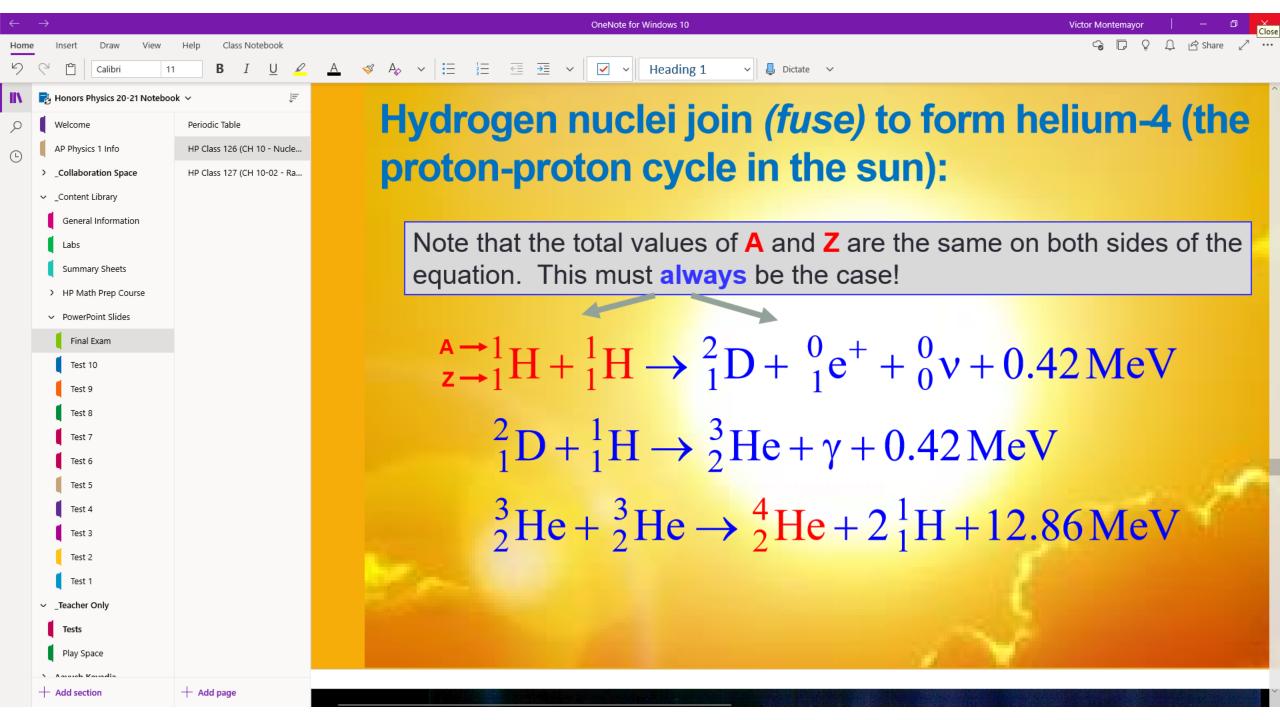
Virtual Meetings

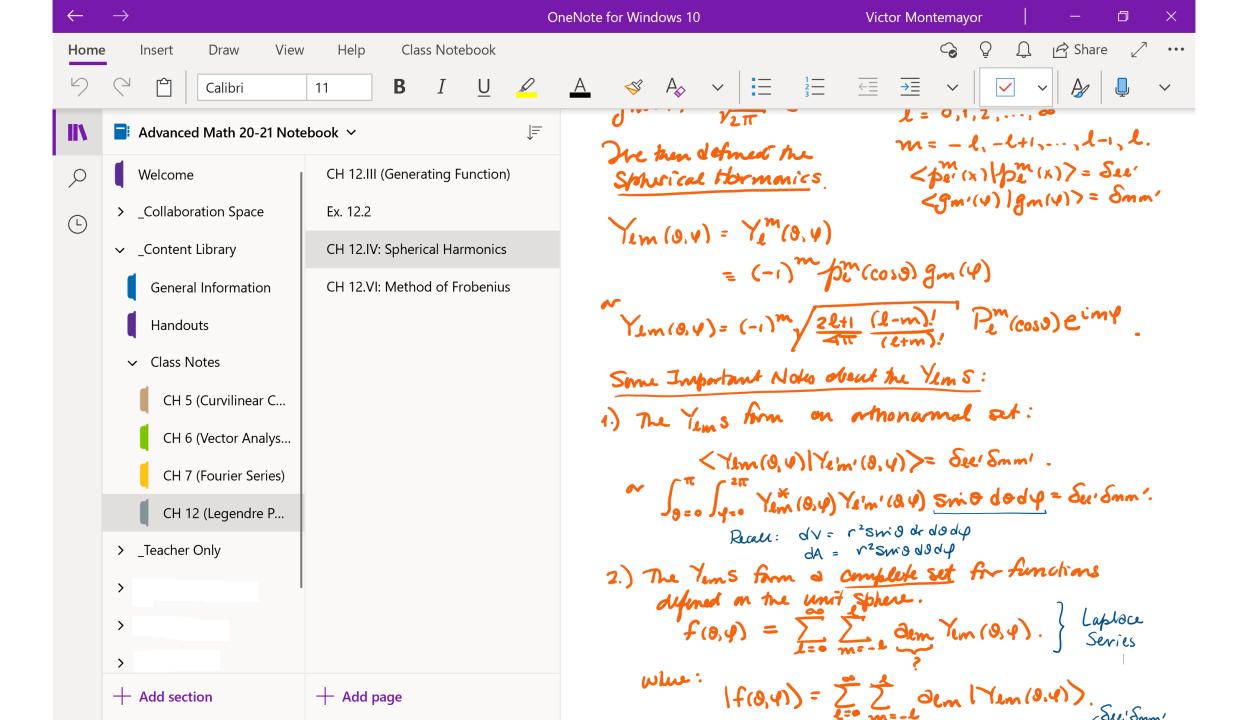


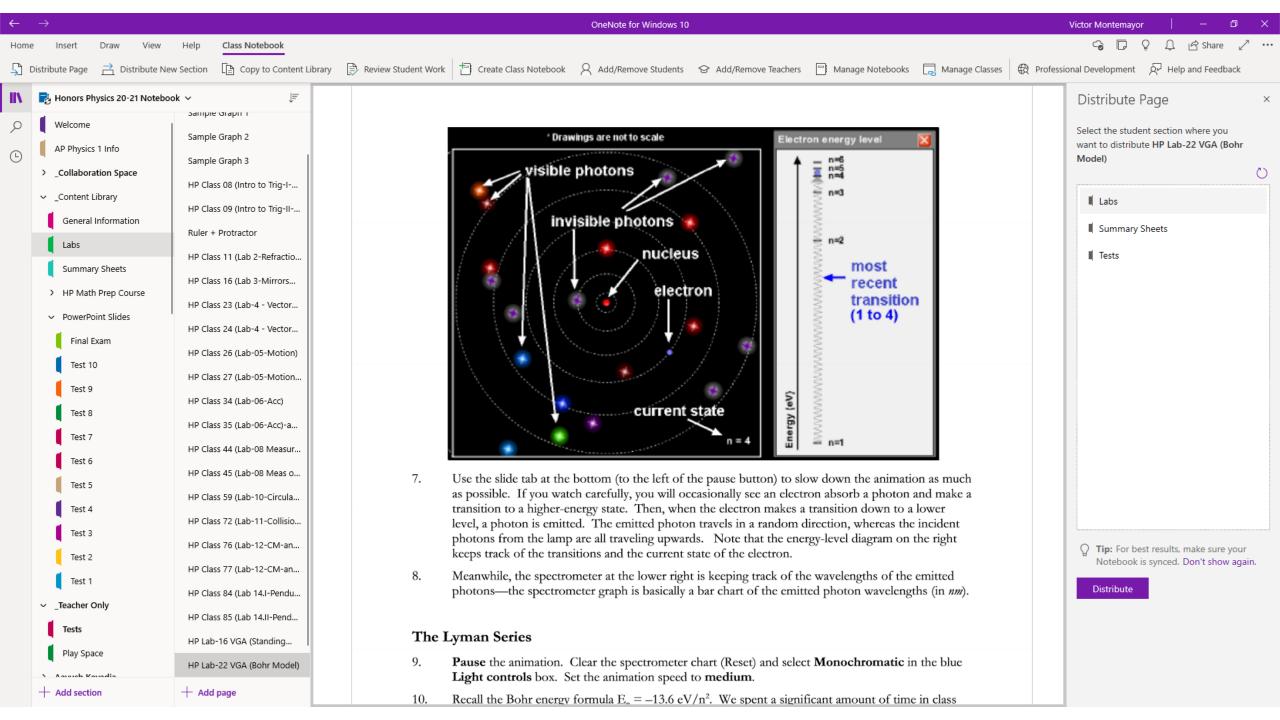


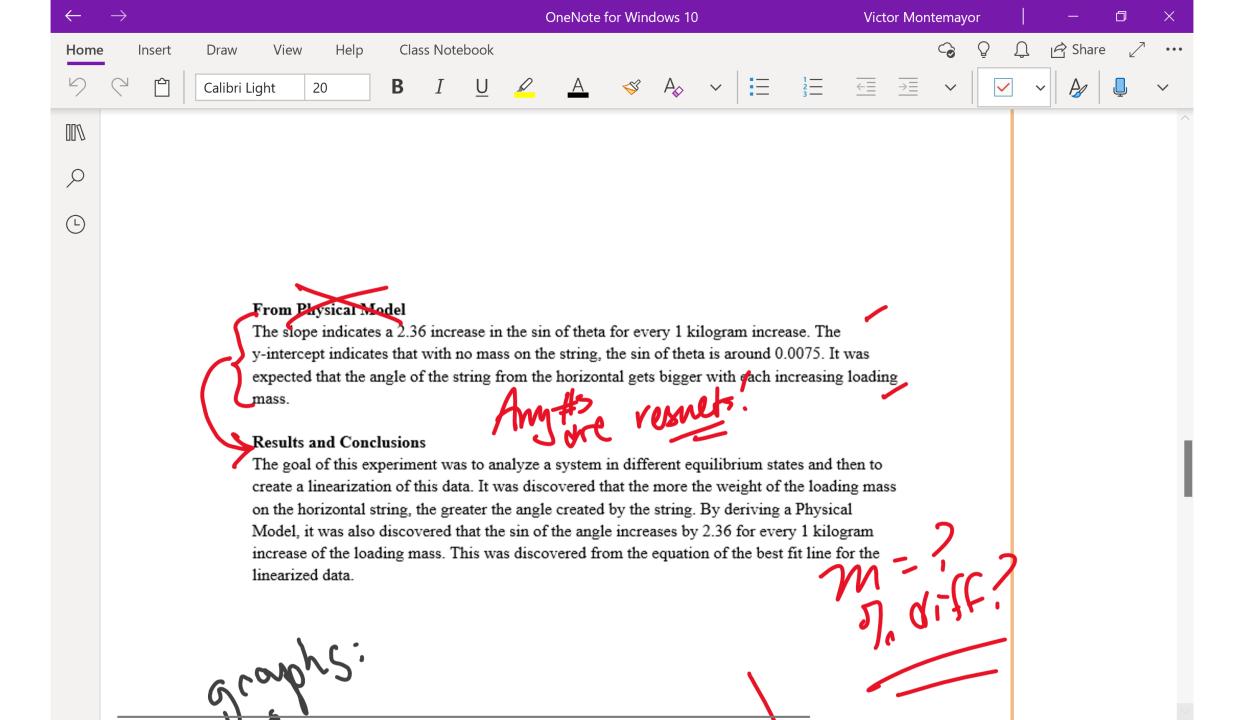












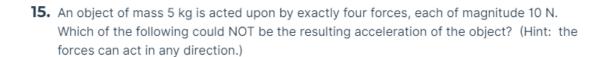


Socrative

13.

For a science project, you and your group members decide to study a system involving a speed, v, and a radius, R. You take a number of v and R data pairs, all in SI units, and plot the data, finding that they do not follow a linear behavior. Knowing that it will help your score to do the best analysis of your data as possible, you decide to try to linearize the data. Applying the physics you learned, you find that v and R are related by the equation (in MKS units): $v^2 = \frac{2}{3R} - 5$. What must be the units of the "5" in this equation?

- A m
- B m/s
- m²/s²
- D m/s²
- E m^3/s^2
- **14.** A friend of yours weighs 750 N. She jumps straight up into the air. When she reaches her highest point above the ground, what is the magnitude of the force that your friend exerts on the Earth?
- **A** 0 N
- **B** 76.5 kg
- **C** 130 N
- **D** 420 N
- **E** 750 N

































QUIZZES ROOMS REPORTS RESULTS " (C) V

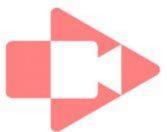
CH-20-1 (Fluid Dynamics)

Thursday, April 15, 2021, 8:29 AM

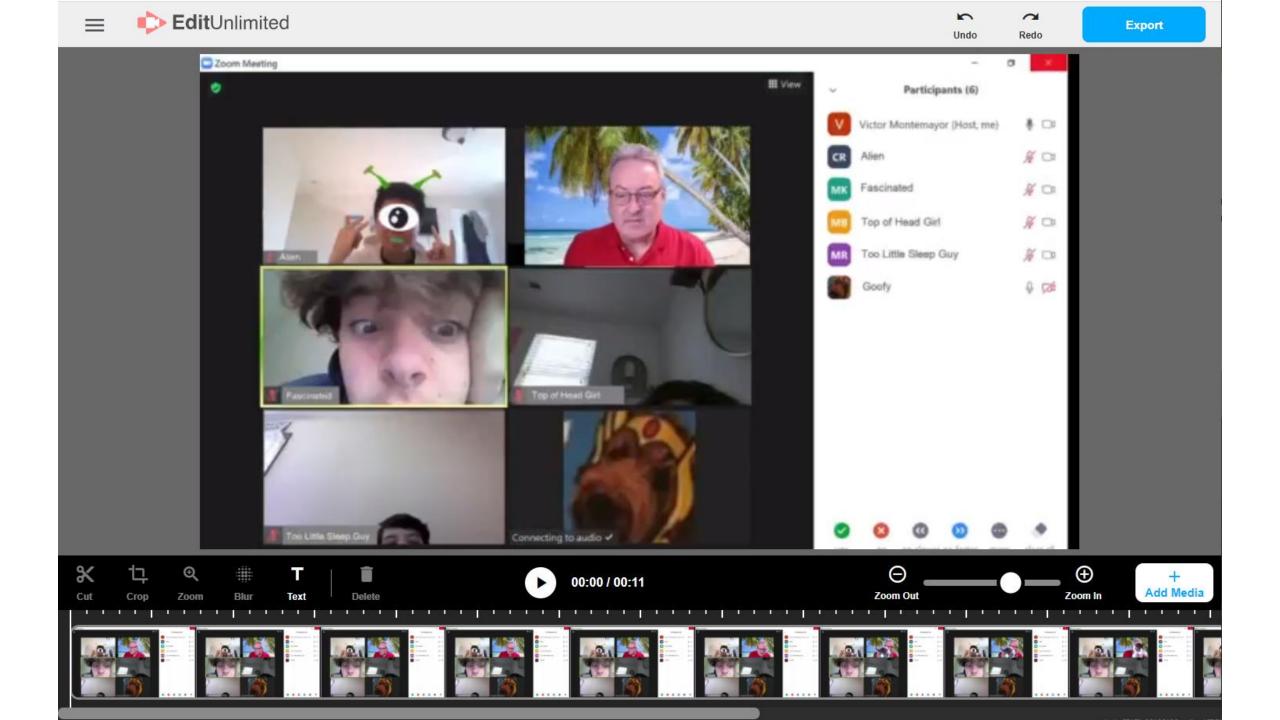


☑ Export

Show Names	Show Responses Show Results							
NAME ▲	SCORE % \$	1	2	3	4	5	6	7
•••••	~ 43%	× E	× B	∨ A	× D	× D	∨ A	∨ A
•••••	✓ 71%	∨ A	× B	× D	∨ A	∨ A	∨ A	∨ A
•••••	∨ 100%	∨ A						
•••••	~ 71%	∨ A	∨ A	x D	× C	∨ A	∨ A	∨ A
•••••	∨ 57%	× E	∨ A	× D	∨ A	× B	∨ A	∨ A
•••••	~ 43%	∨ A	× D	∨ A	× E	∨ A	× C	× E
•••••	∨ 86%	∨ A	∨ A	× E	∨ A	∨ A	∨ A	∨ A
•••••	~ 29%	∨ A	× B	× E	× C	× B	∨ A	× E
•••••	~ 71%	∨ A	∨ A	× C	∨ A	∨ A	∨ A	× E
•••••	0%							
•••••	∨ 86%	∨ A	∨ A	× B	∨ A	∨ A	∨ A	∨ A
•••••	0%							
12 Class Total		80%	60%	30%	60%	70%	90%	70%

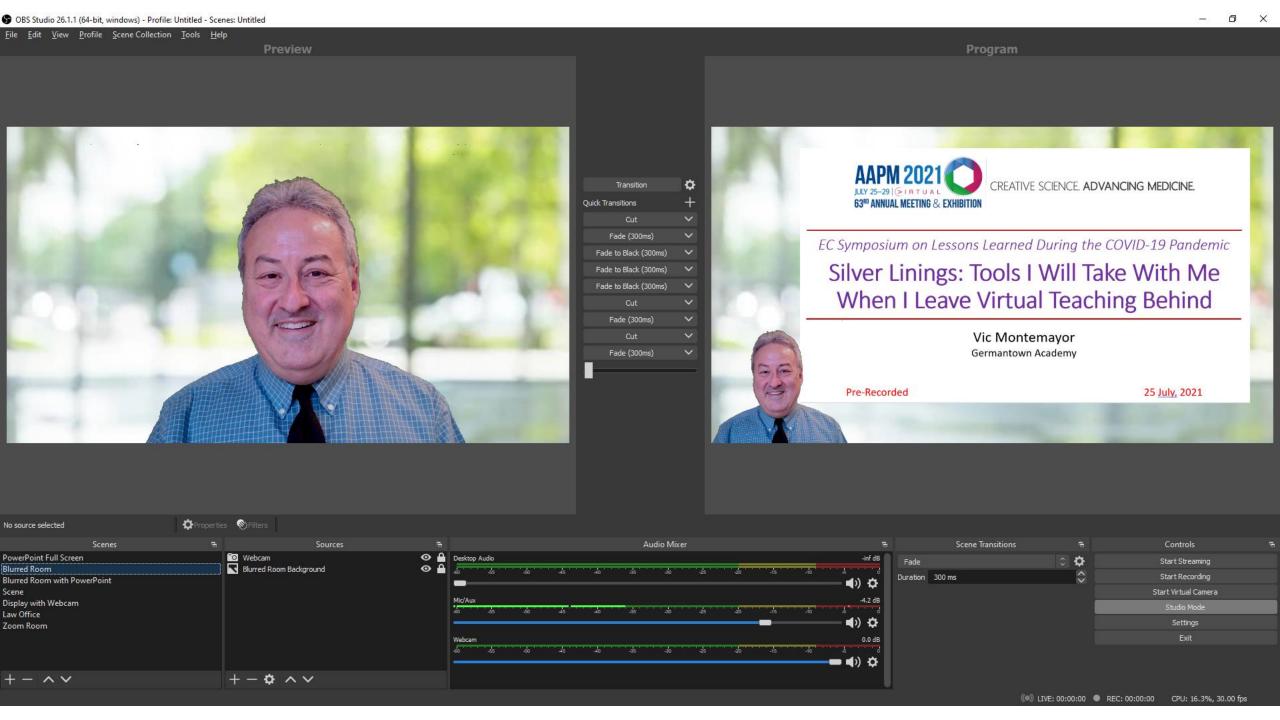


Screencastify





Open Broadcaster Software



1. Microsoft Office Suite

Microsoft **Teams** can be downloaded from the web:

https://www.microsoft.com/en-us/microsoft-teams/download-app#desktopAppDownloadregion

Microsoft OneNote is part of the Suite. (You can create a class notebook in OneNote through Teams.)

* You must have access to a tablet in order to use the OneNote class notebook effectively. Relatively inexpensive good-sized tablets (around \$40) can be purchased on Amazon.

2. Socrative

https://www.socrative.com/

The basic level is free. The Pro level for higher ed costs \$100/yr.

3. Screencastify

https://www.screencastify.com/

Screencastify is a free screen recorder for Chrome. The free version limits video lengths to 5 minutes. The unlimited version costs \$49/yr (educational discounts are available).

4. OBS Studio (Open Broadcaster Software)

<u>https://obsproject.com/download</u>
Free download; open-source software for streaming and recording.

Good Tutorials for OBS Studio:

Complete OBS Tutorial for Teachers, Trainers, and Video-makers https://youtu.be/w02gsw0EVAQ

How to Use OBS Studio - Complete Tutorial for Beginners! https://youtu.be/-puA85ciDEM

