Takeoff with Bite-Sized Videos: Recording, Captioning and Housing Helpful Videos for Students

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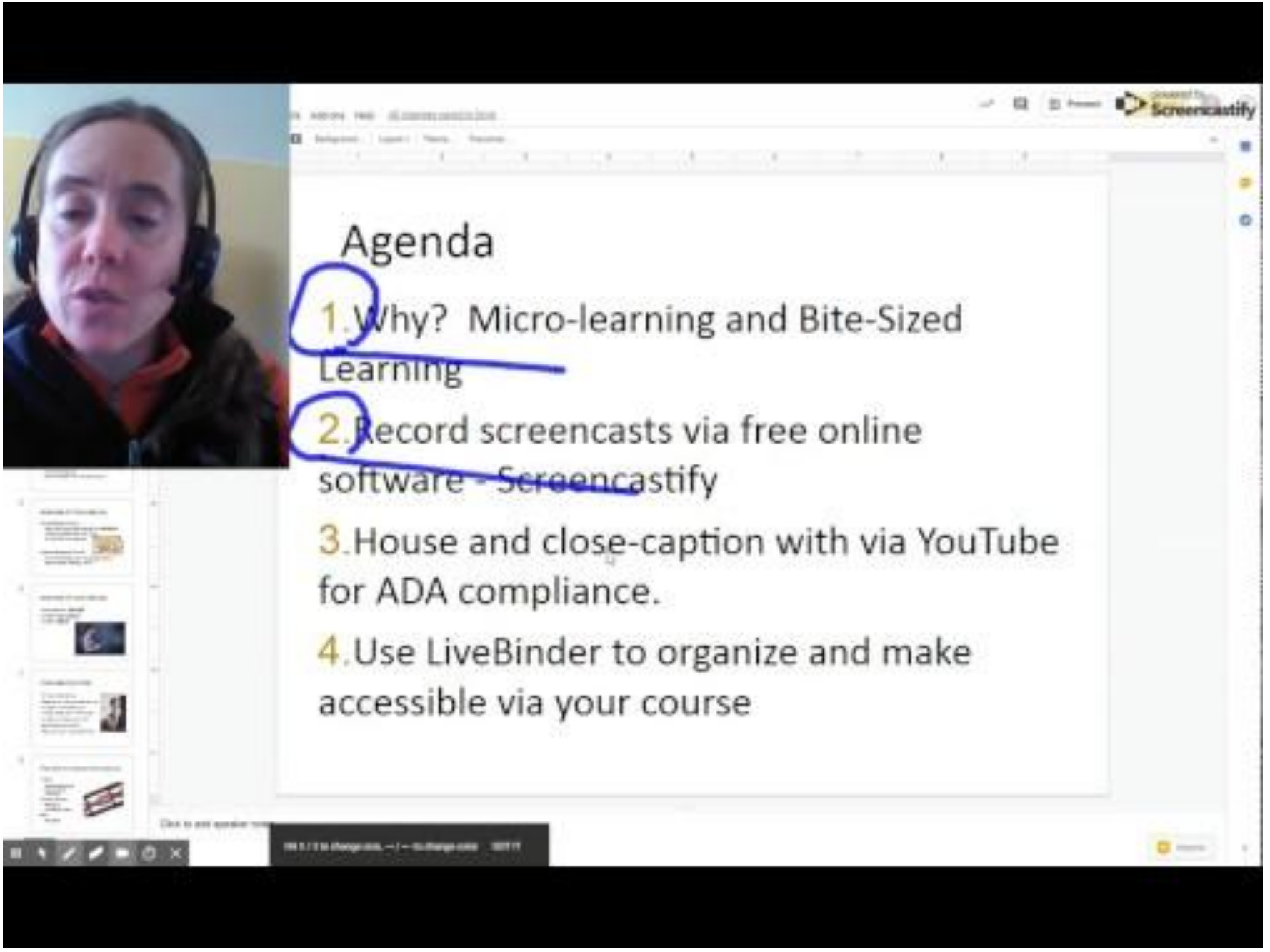
PURDUE UNIVERSITY GLOBAL


Agenda
1. Why? Micro-learning and Bite-Sized Learning
2. Record screencasts via free online software - Screencastify
3. House and close-caption with via YouTube for ADA compliance.
4. Use LiveBinder to organize and make accessible via your course

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What is Micro-learning?

- Learning in small, “bite sized” chunks (Gutierrez, 2014)
- Covers only one or very few topics
- Spaced repetition
- Usually involves multimedia and gamification
- Typically under 10 minutes
- Mobile

Why Choose Micro-Learning?

- “Research has shown that we learn more (and retain it better) when we study in short focused bursts than when we’re forced to sit through hour long classes — but of course your younger self that was bored to tears at school knew that already.” (Andriotis, 2015)
- Can be completed during “dead time”
- Fun and engaging
- Often cheaper than the alternatives

Examples of Micro-learning

New Employee Training

- Domino's Pizza Maker Course via AllenComm helps employees learn the menu (3 micro-learning modules)

Ongoing Employee Training

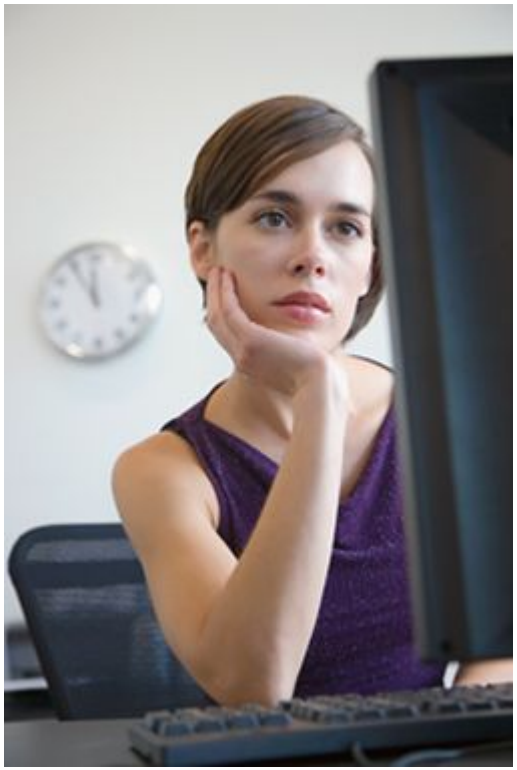
- Uber Technologies Inc. – Duolingo to learn English better (Kolodny, 2013)

Examples of Micro-learning

- Young learners: BrainPOP
- All ages: Khan Academy
- All ages: TED Ed

Micro-learning is **Not**

- An hour long lecture
- Reading for a long stretch of time
- A video with no follow-up
- A long video (over 10 minutes)
- A video with too much “fluff”
- Stand alone curriculum
- Right for every kind of learning



Free Tools for Creating Micro-Learning

Videos

- Screencastomatic
- Screencastify
- YouTube

Quizzes & Polls

- PlayBuzz
- Poll Everywhere

Both

- PlayPosit

Bite-Sized Learning

- Targeted objective-based material (Soh, 2017)
- Picking one single topic, keeping it short
- 5 minutes or less
- Use attention grabbing strategies for millennials

General Process

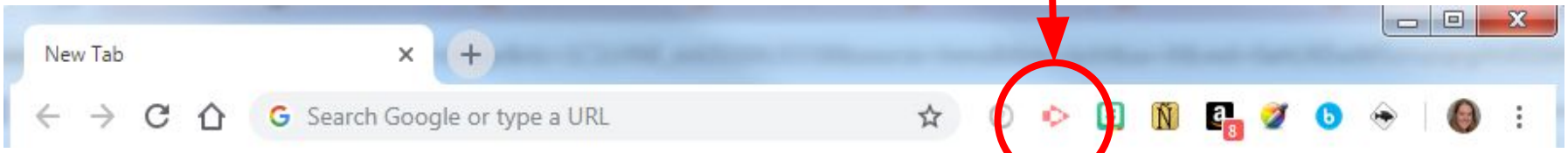
Screencast Software Considerations

Things to look for:

- Interface
- Cost (Free)
- Mouse movement
- Picture-In-Picture
- Limitations to length and #
- Built-In editor - Audio/Video
- Export options (mp4, webm, avi)
- Support

Screencastify: Chrome Extension

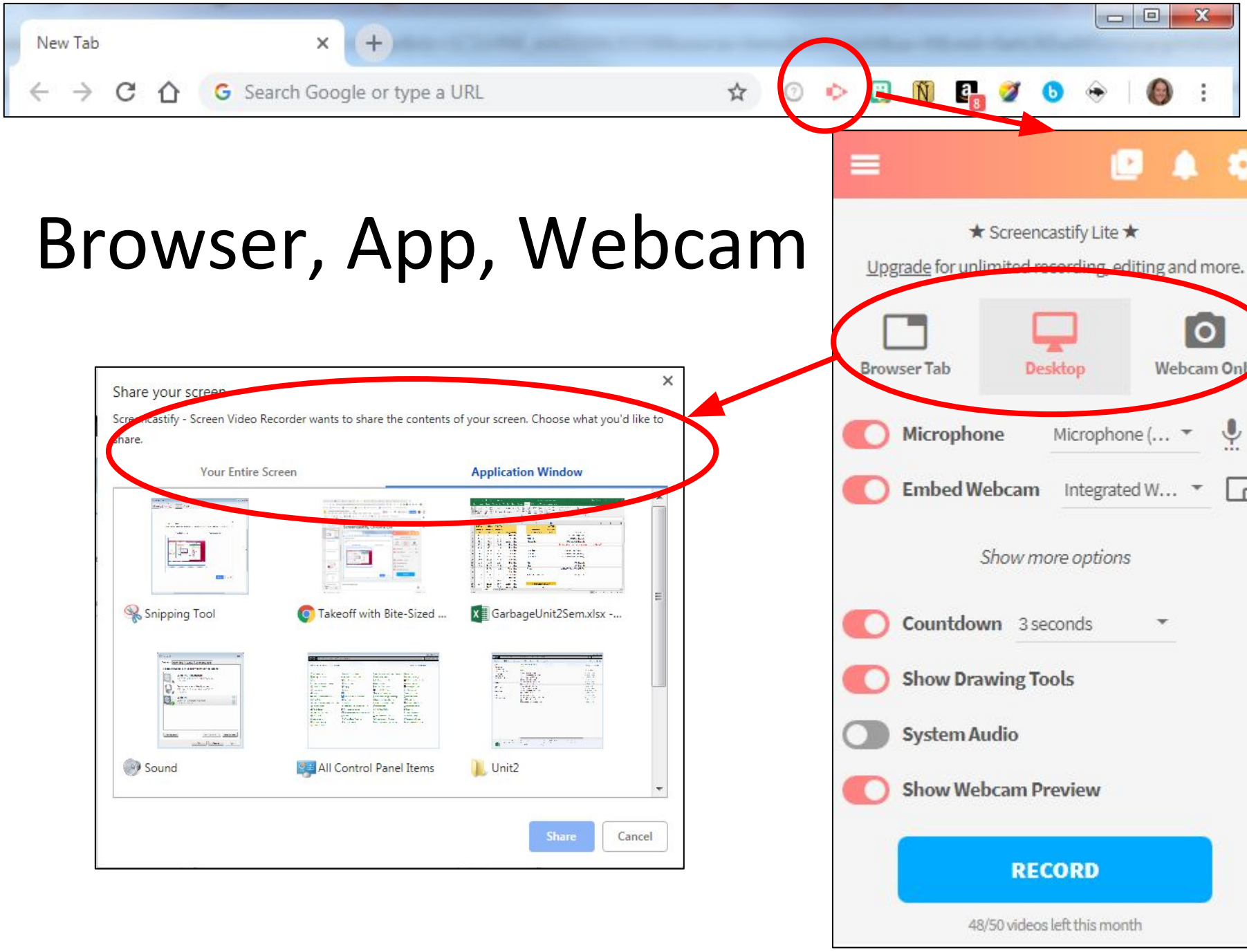
"Lightweight" screencast program integrated as an extension in (Google) Chrome browser.



- Capture desktop, app, browser tab or webcam
- Picture-on-picture capability
- One-click upload to Youtube or Google Drive
- 10 min/video and up to 50 videos/month

https://help.screencastify.com/category/131-initial-setup

Browser, App, Webcam



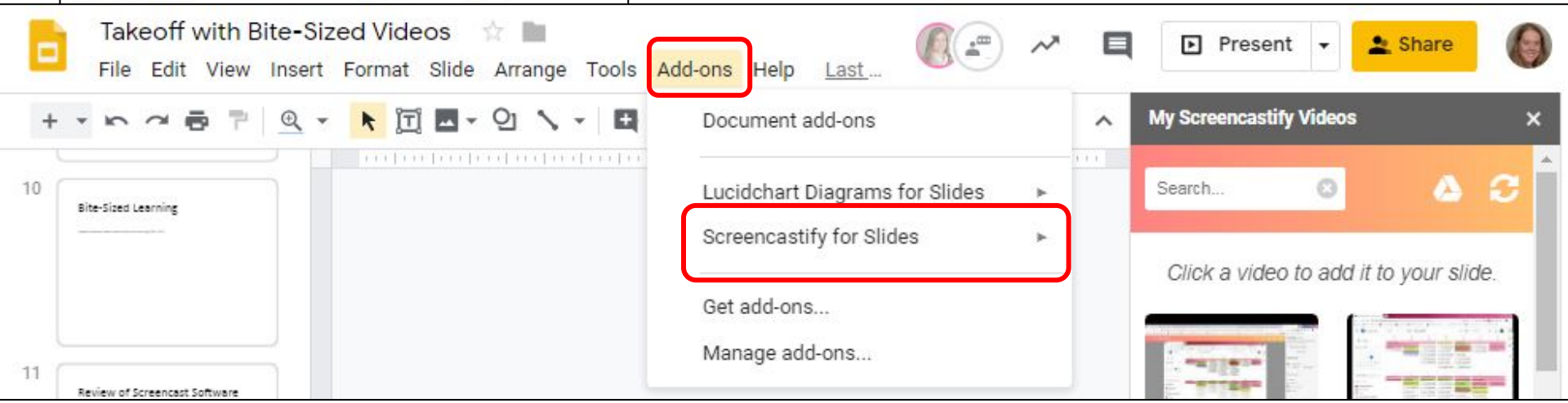
Fun Tips/Tricks with Screencastify

https://help.screencastify.com/category/157-tips-tricks

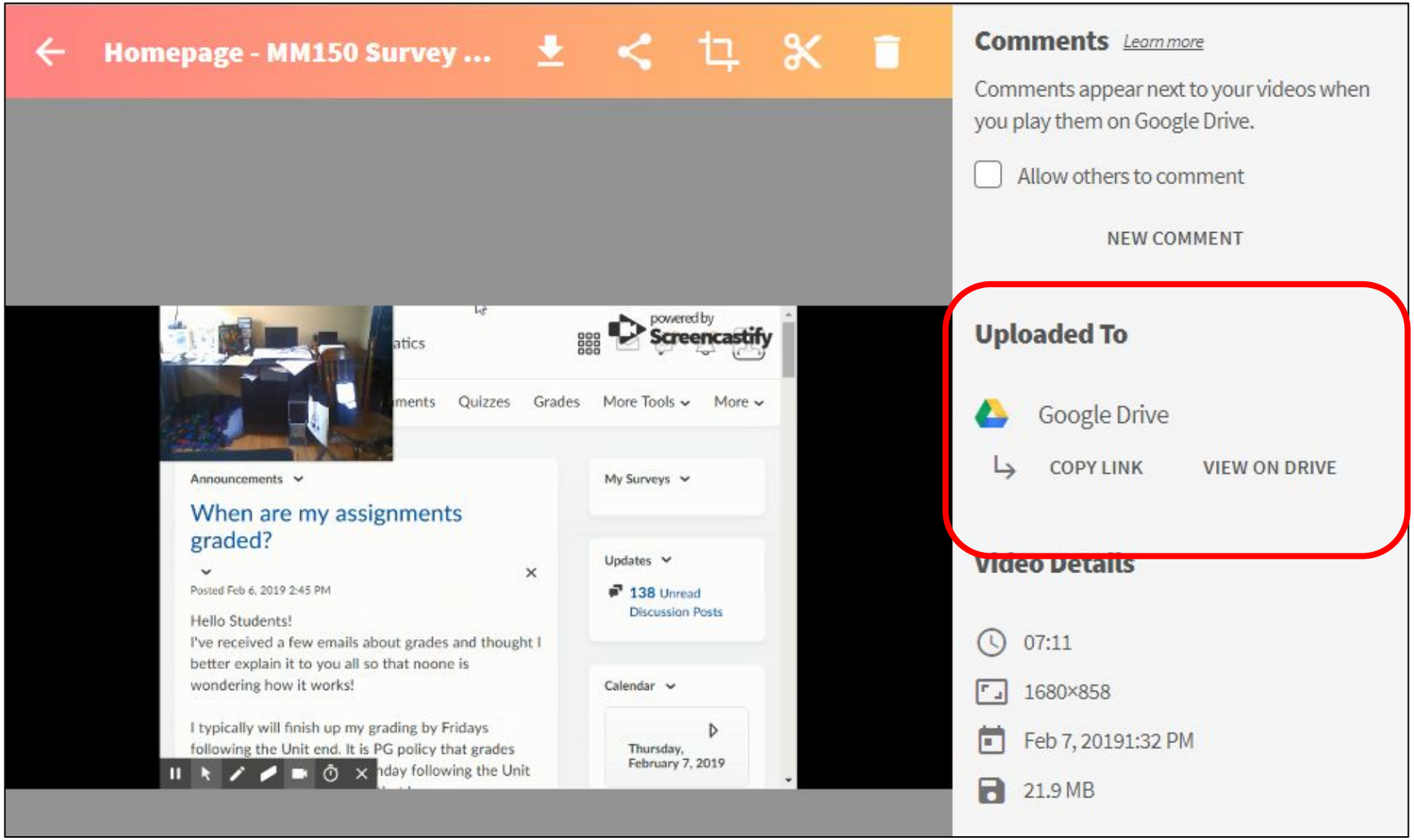
List of all keyboard shortcuts

Shortcut	PC	Mac
Open the extension	Alt + Shift + S	Option + Shift + S
Start / stop recording	Alt + Shift + R	Option + Shift + R
Pause / resume recording	Alt + Shift + P	Option + Shift + P
Change recording focus to current tab	Alt + Shift + F	Option + Shift + F
Show / hide annotation toolbar	Alt + T	Option + T
Focus spotlight on mouse	Alt + F	Option + F
Highlight mouse clicks with red circle	Alt + K	Option + K
Pen tool	Alt + P	Option + P
Eraser	Alt + E	Option + E
Wipe screen clear	Alt + Z	Option + Z
Return to mouse cursor	Alt + M	Option + M
Hide mouse when not moving	Alt + H	Option + H
Toggle embedded webcam on/off*	Alt + W	Option + W
Show / hide recording timer	Alt + C	Option + C

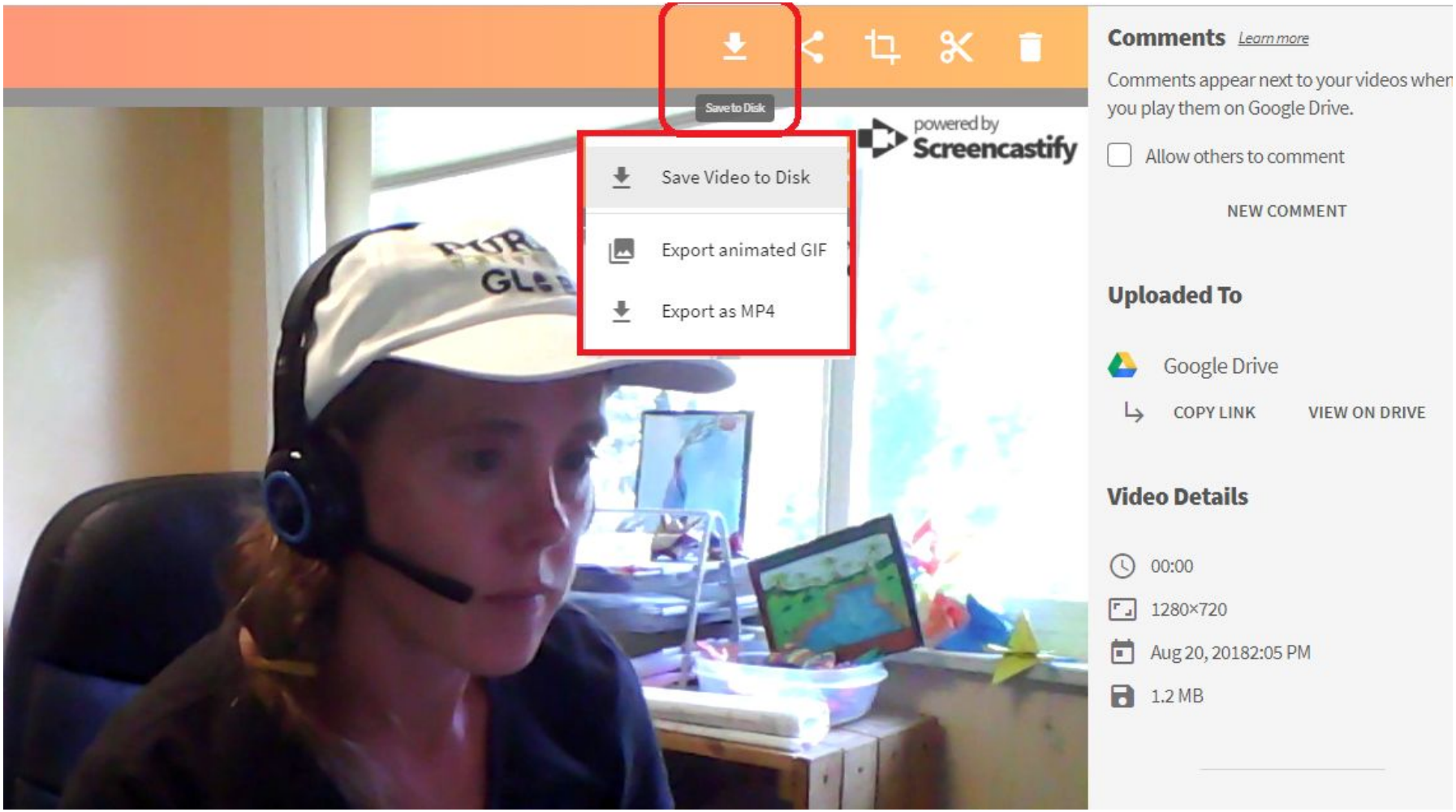
Record a Video Chat



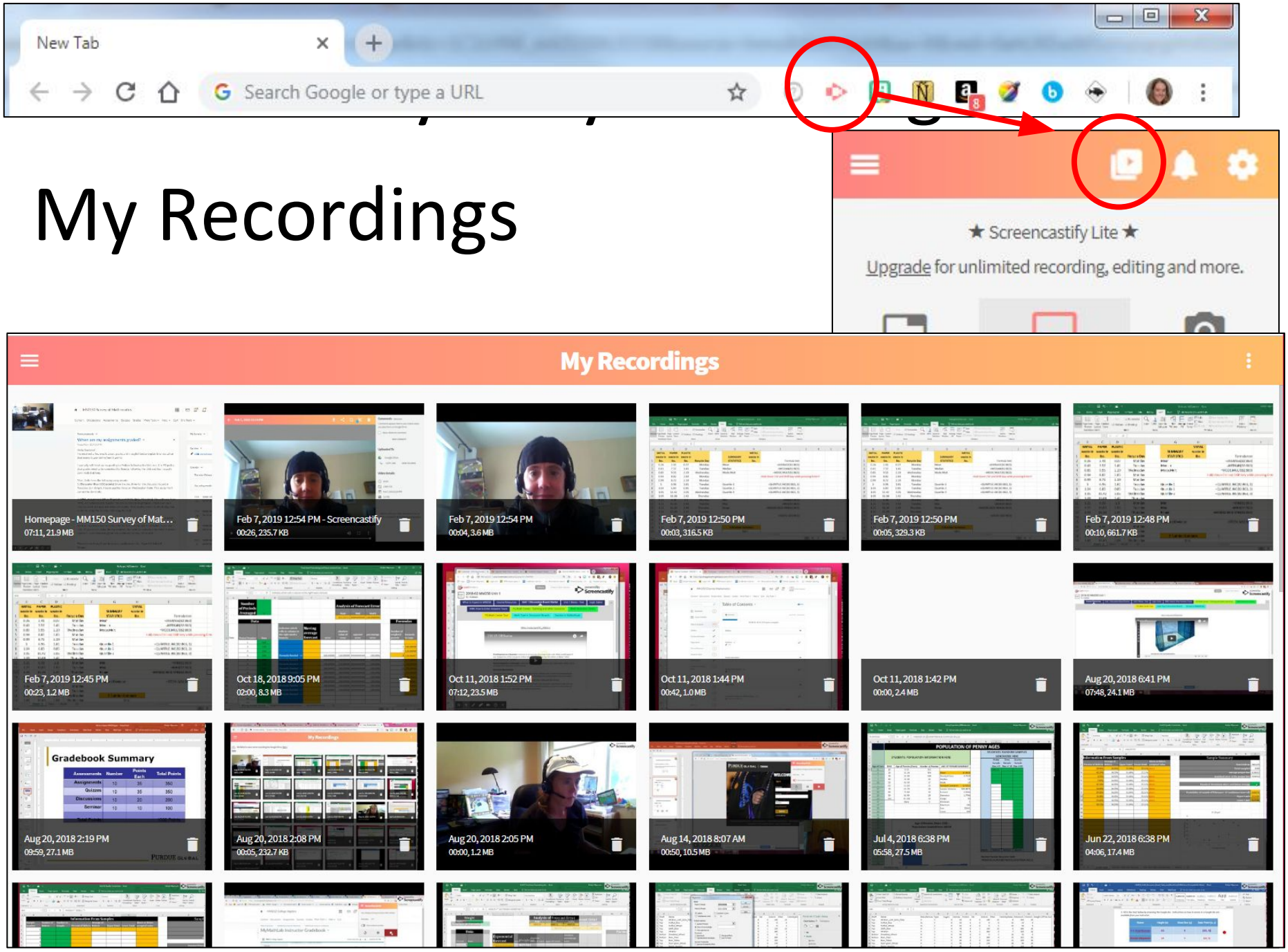
Screencastify - Saving



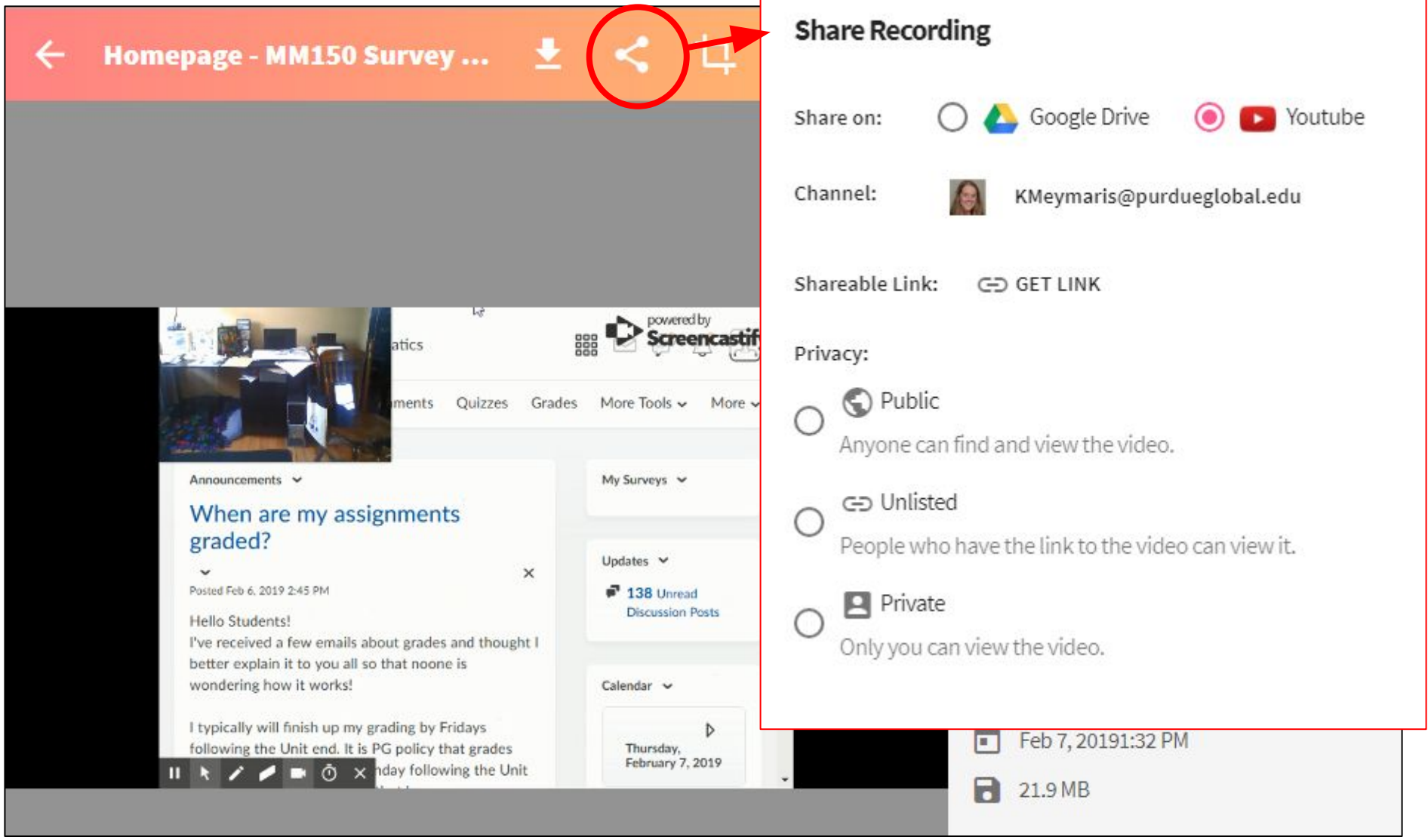
Screencastify - Downloading as .webm file



My Recordings

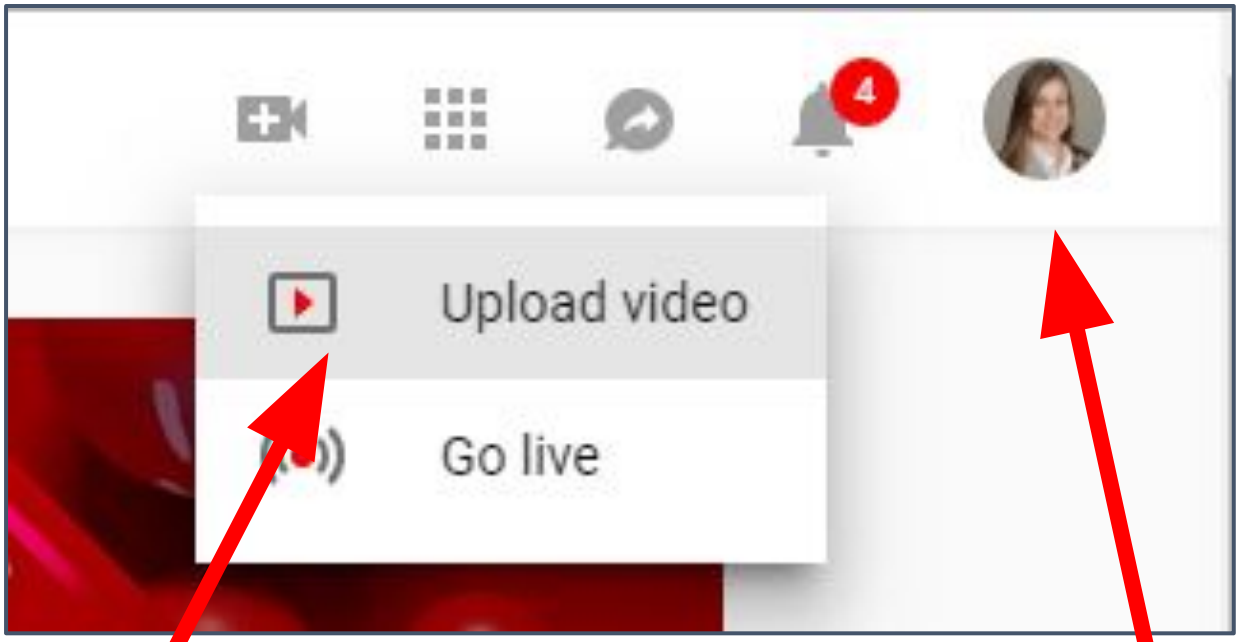


Screencastify - Sharing



Picture courtesy of https://www.keepitsimplesocialmedia.com/2010/12/17/when-do-you-stop-giving/

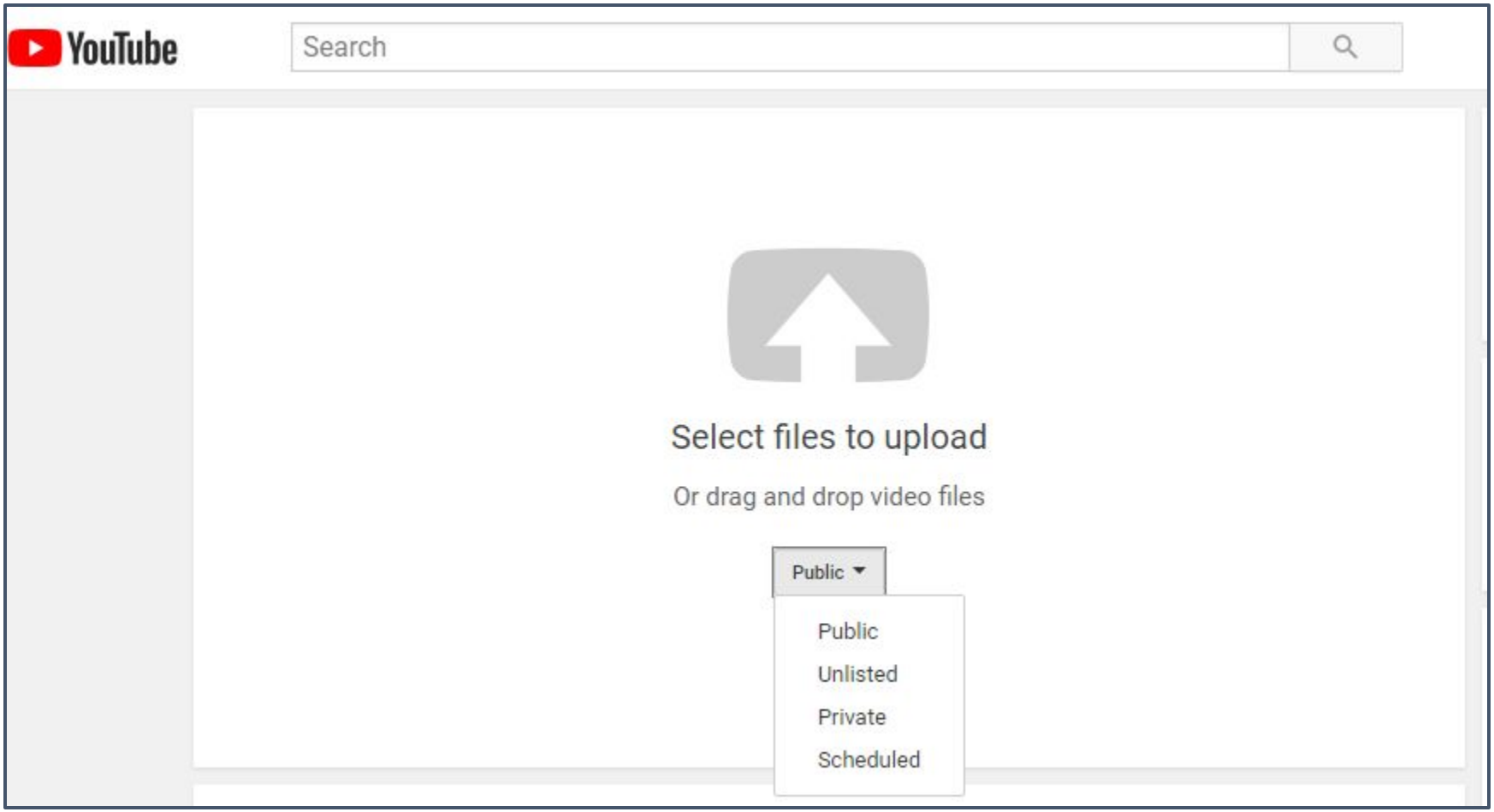
YouTube upload/cc/housing



Click here to get started!

Using the right account?

YouTube upload/cc/housing



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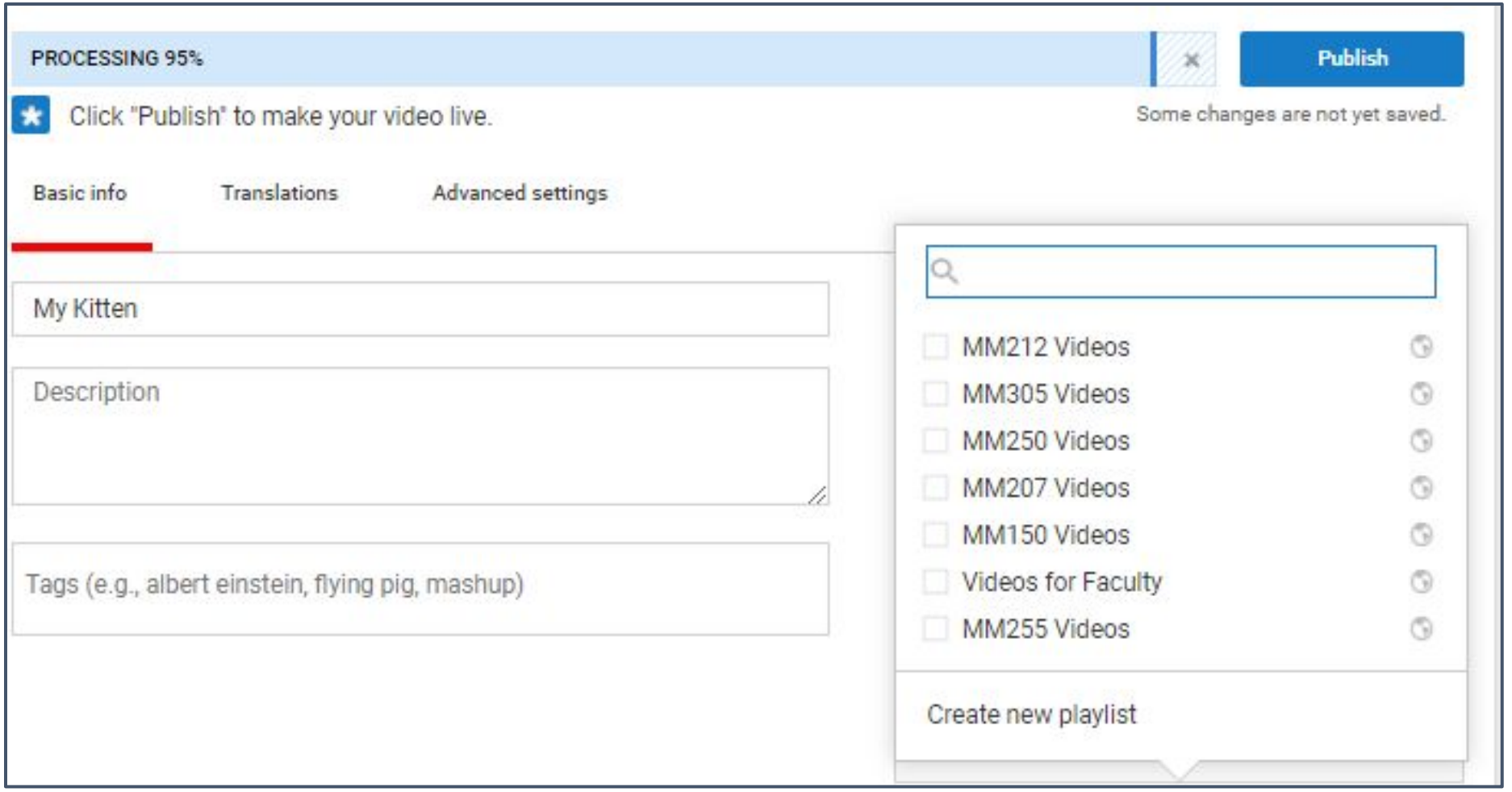

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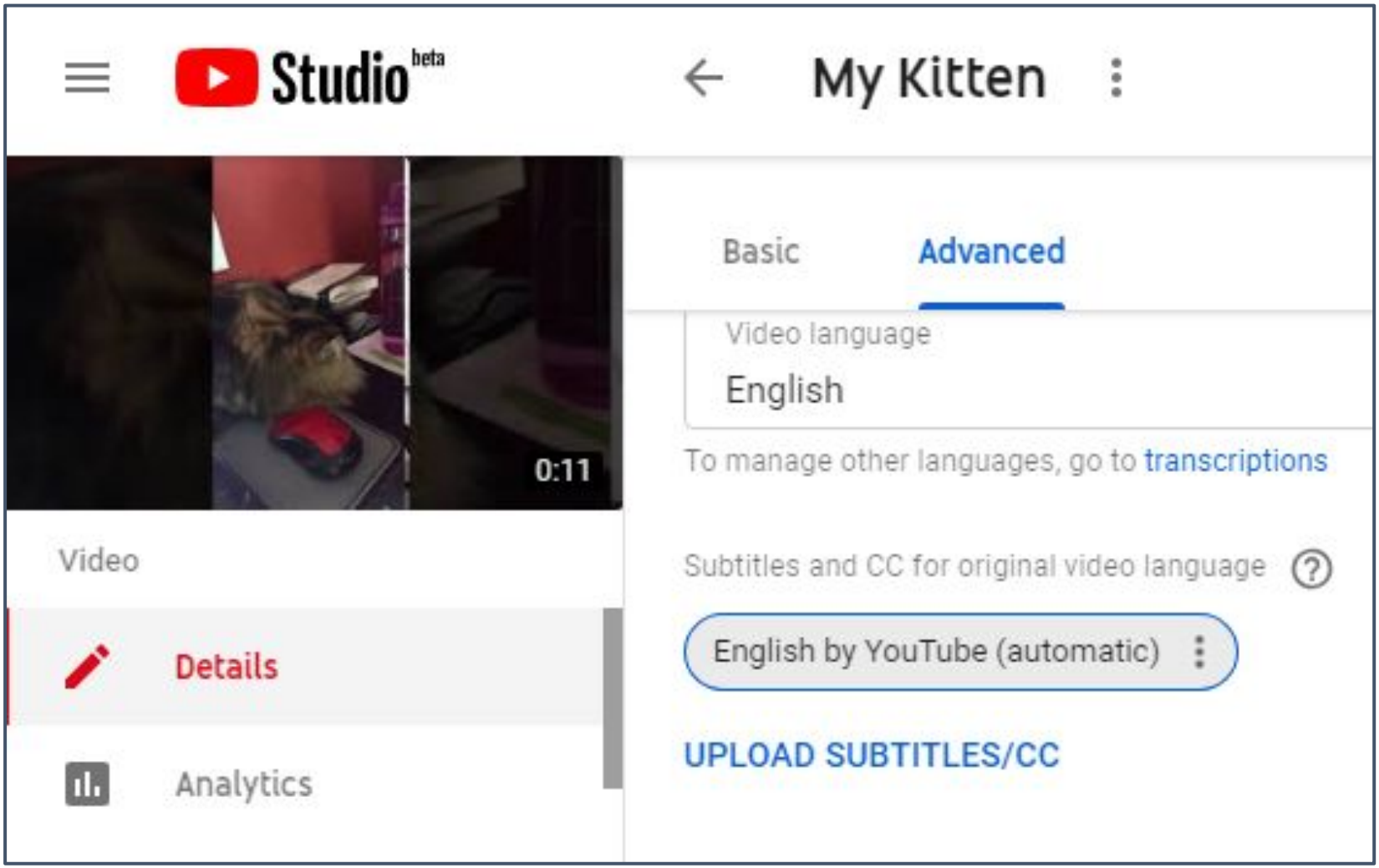

https://www.youtube.com/edit?ar=2&o=U&video_id=YsU6jPwmPfM

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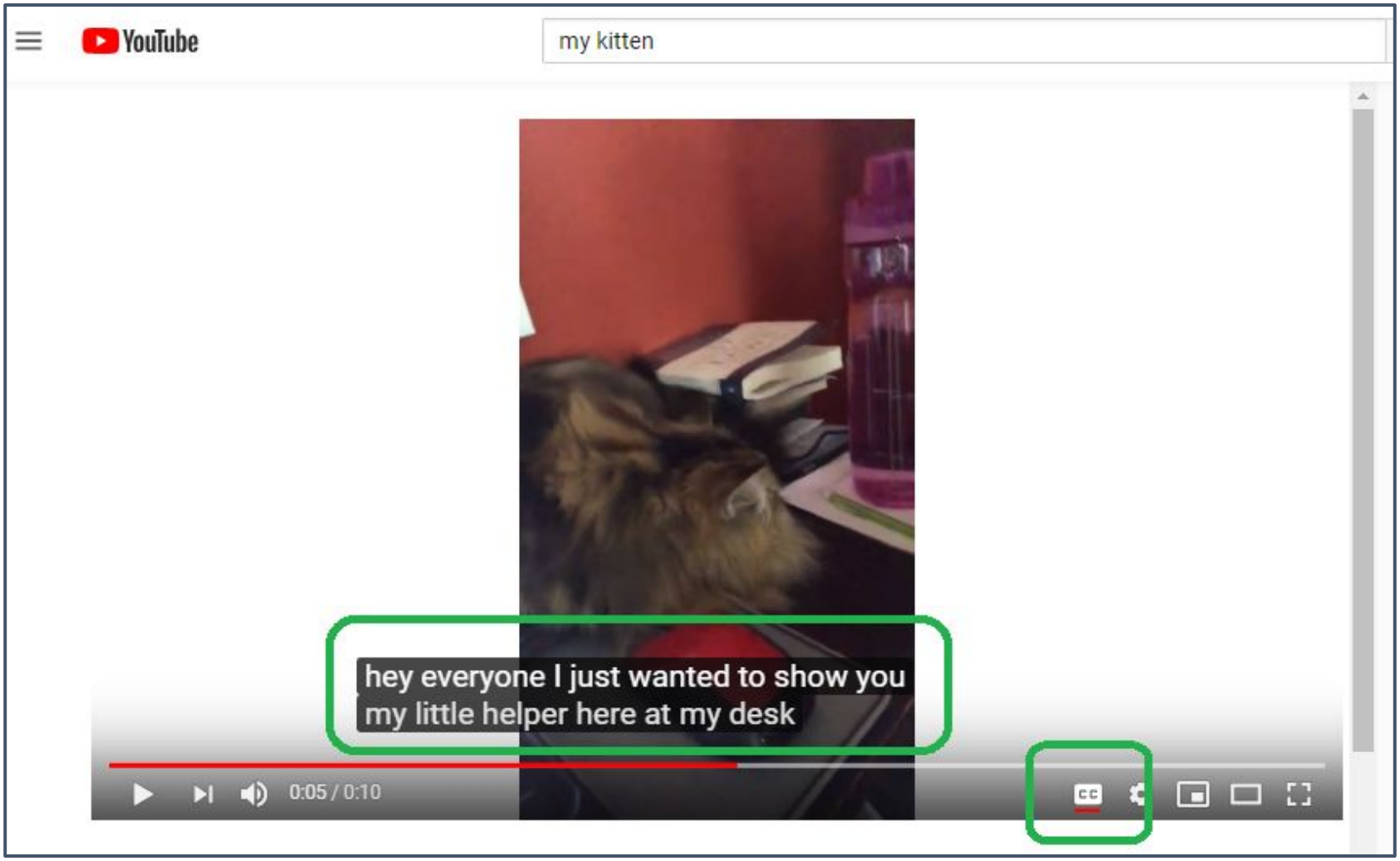


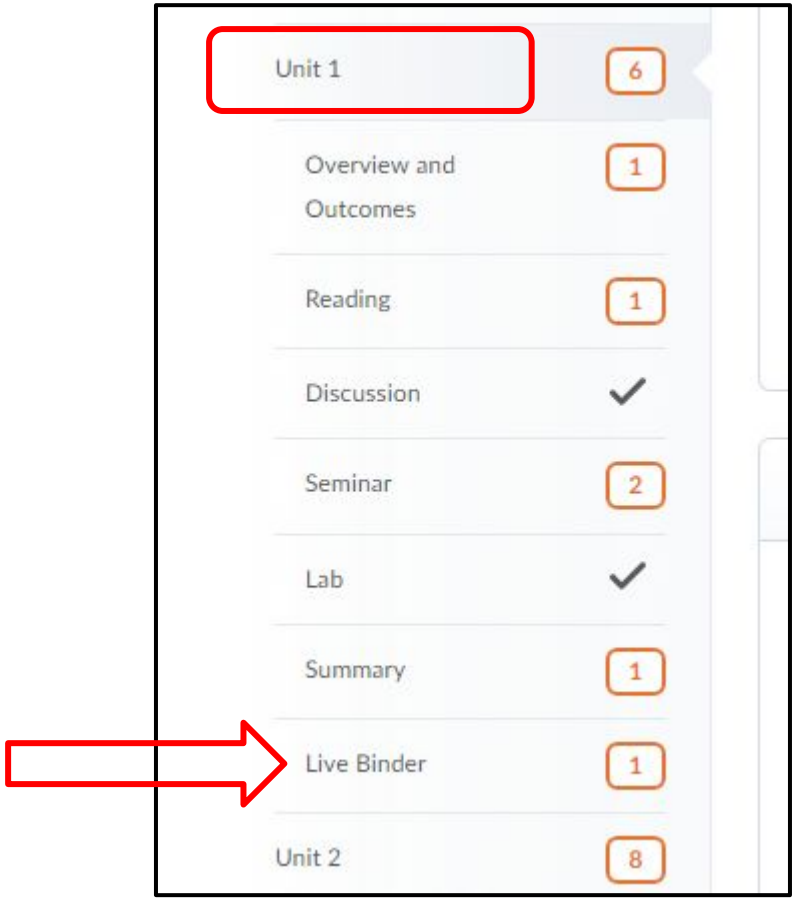
LiveBinders

- Virtual 3-ring binder
- Stores and/or embeds videos, documents, etc.
- Shelves for classes
- Individual binders for units/modules

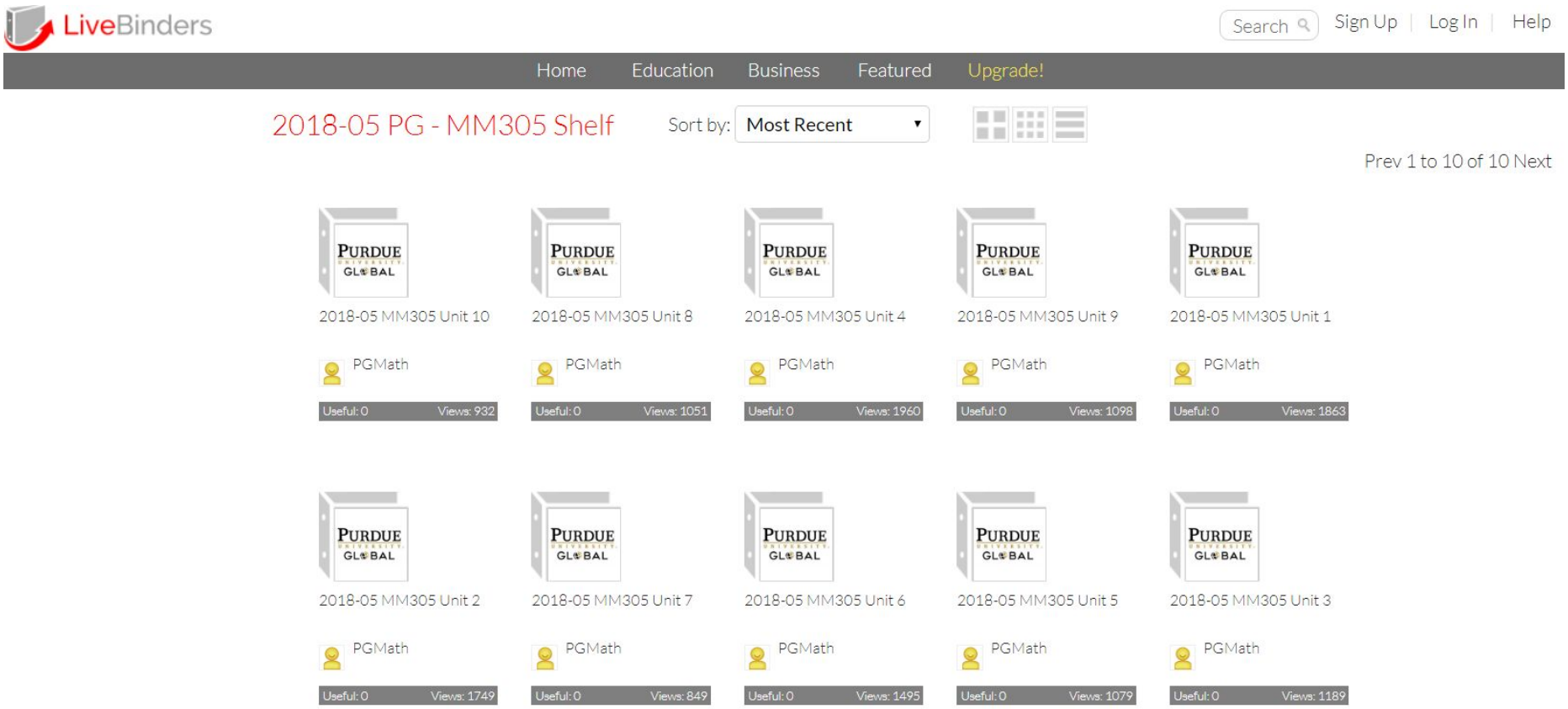
Sharing/Disseminating the Videos

Simplest way to share these with students

- access within course
- embedded
- fewest clicks
- static link (updates made in real time)
- mobile viewing
- updates made outside of course shell



LiveBinder Example



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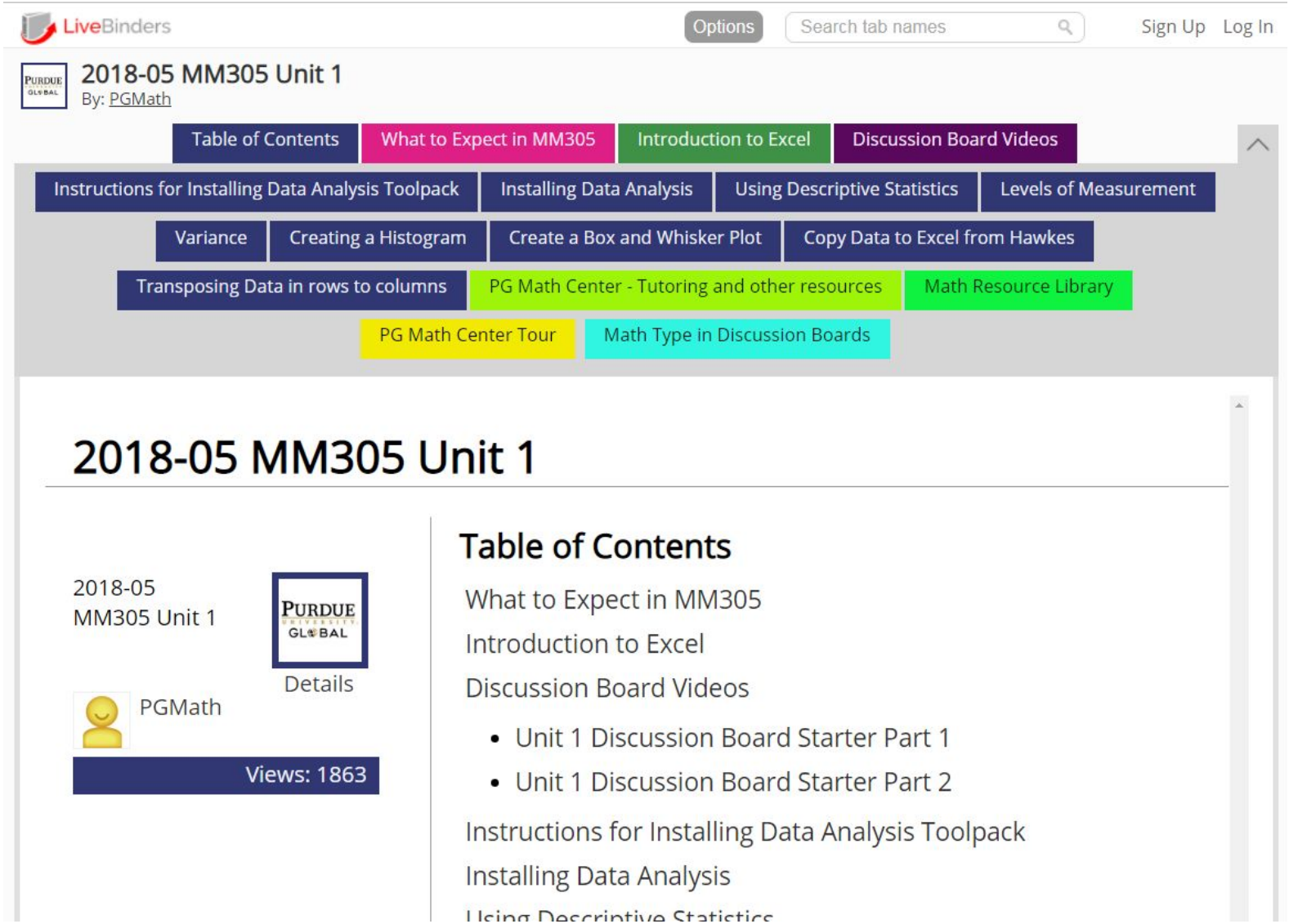

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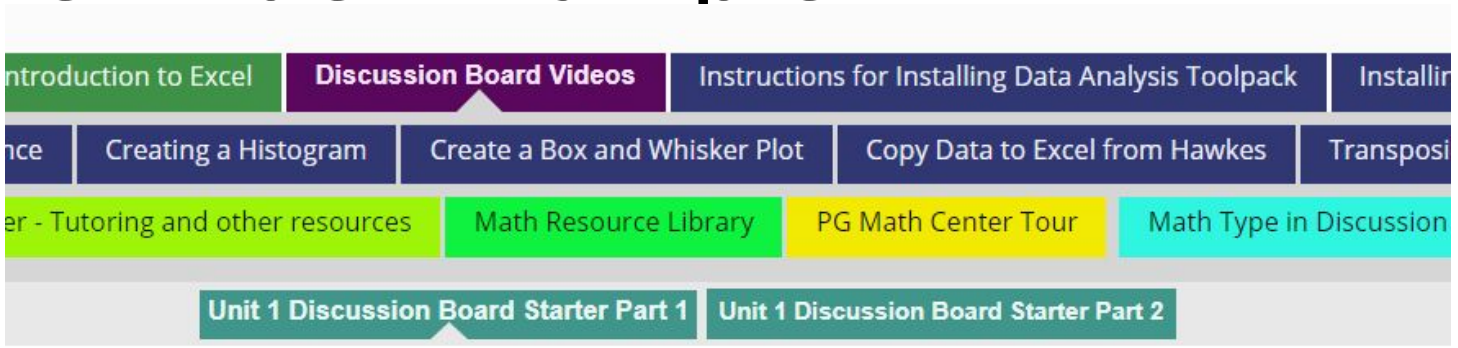
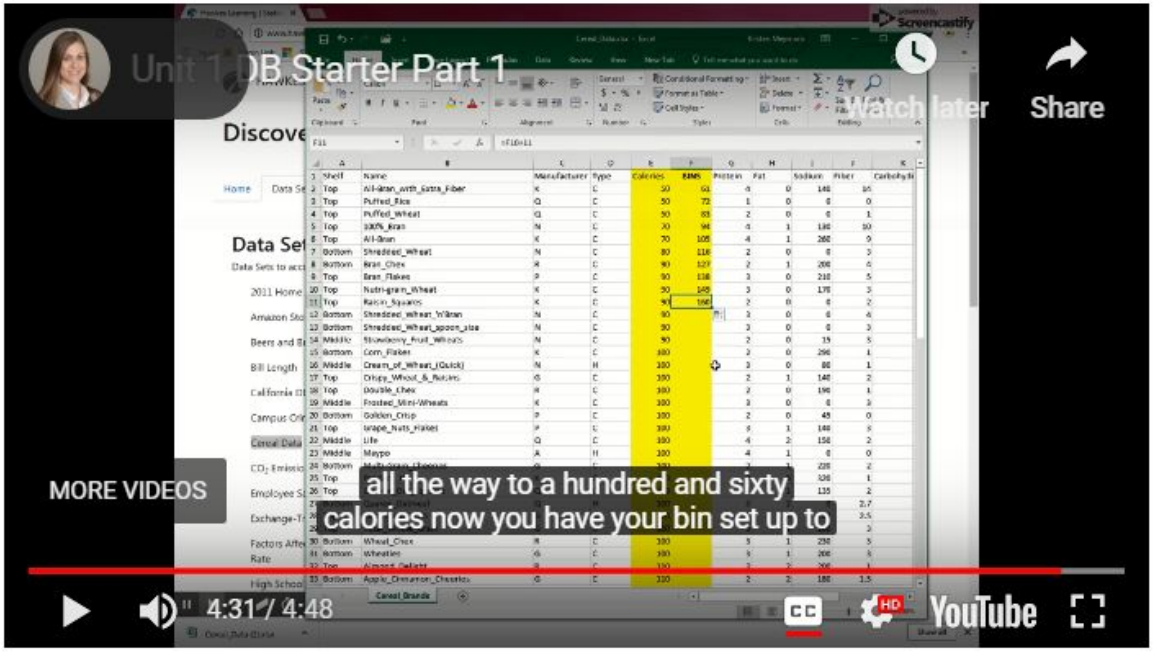


https://youtu.be/tRVVBo7lAf4



Tips for Best Practices for Bite-Sized Videos

- Objective based = content specific (share research)
- Evergreen as much as possible – no dates, no specific times, no reference to people, no reference to place in course (week or unit), no mention of textbook or page numbers
- Less than 5 minutes preferable
- Write a script first = about one page is about 5 minutes recorded.
- From start to finish, 1 hour for 5 minute finished product
- PPT should be prepared or screen setup – something for students to look at
- Show face in corner of recording if possible

What topics/concepts to cover?

- Challenging concepts
- More examples
- Formative assessment – on-demand videos
- Introduction - community building
- How-To videos

References

Andriotis, N. (2015, September 01). Everything you wanted to know about micro-learning [Web log post]. Retrieved from http://www.efrontlearning.net/blog/2015/09/everything-you-wanted-to-know-about-micro-learning-but-were-afraid-to-ask.html

Gutierrez, K. (2014, April 15). The Age of Bite-sized Learning: What is It and Why It Works [Web log post]. Retrieved from http://info.shiftelearning.com/blog/bid/342367/The-Age-of-Bite-sized-Learning-What-is-It-and-Why-It-Works

Kolodny, Lora. (2013, March 13). "The Latest Approach to Employee Training." *WSJ*. Retrieved from http://www.wsj.com/articles/the-latest-approach-to-employee-training-1457921560

Soh, Y. (2015). *Bite-Sized Learning Vs. Microlearning: Are They One And The Same?* Retreived on Aug. 17, 2018 from https://elearningindustry.com/bite-sized-learning-vs-micro-learning-are-same

van der Meer, J., Berg, D., Smith, J., Gunn, A., & Anakin, M. (2015). *Shorter Is Better: Findings of a Bite-Size Mobile Learning' Pilot Project*. Creative Education, 6, 273-282. http://dx.doi.org/10.4236/ce.2015.63026