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## Add Interactive Elements to Videos Using H5P

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# Add Interactive Elements to Videos Using H5P

### The practice and the need it addresses

To increase student engagement, video materials can include interactive components.

### Video Content

Face-to-face, hybrid, and online courses include a variety of video resources.

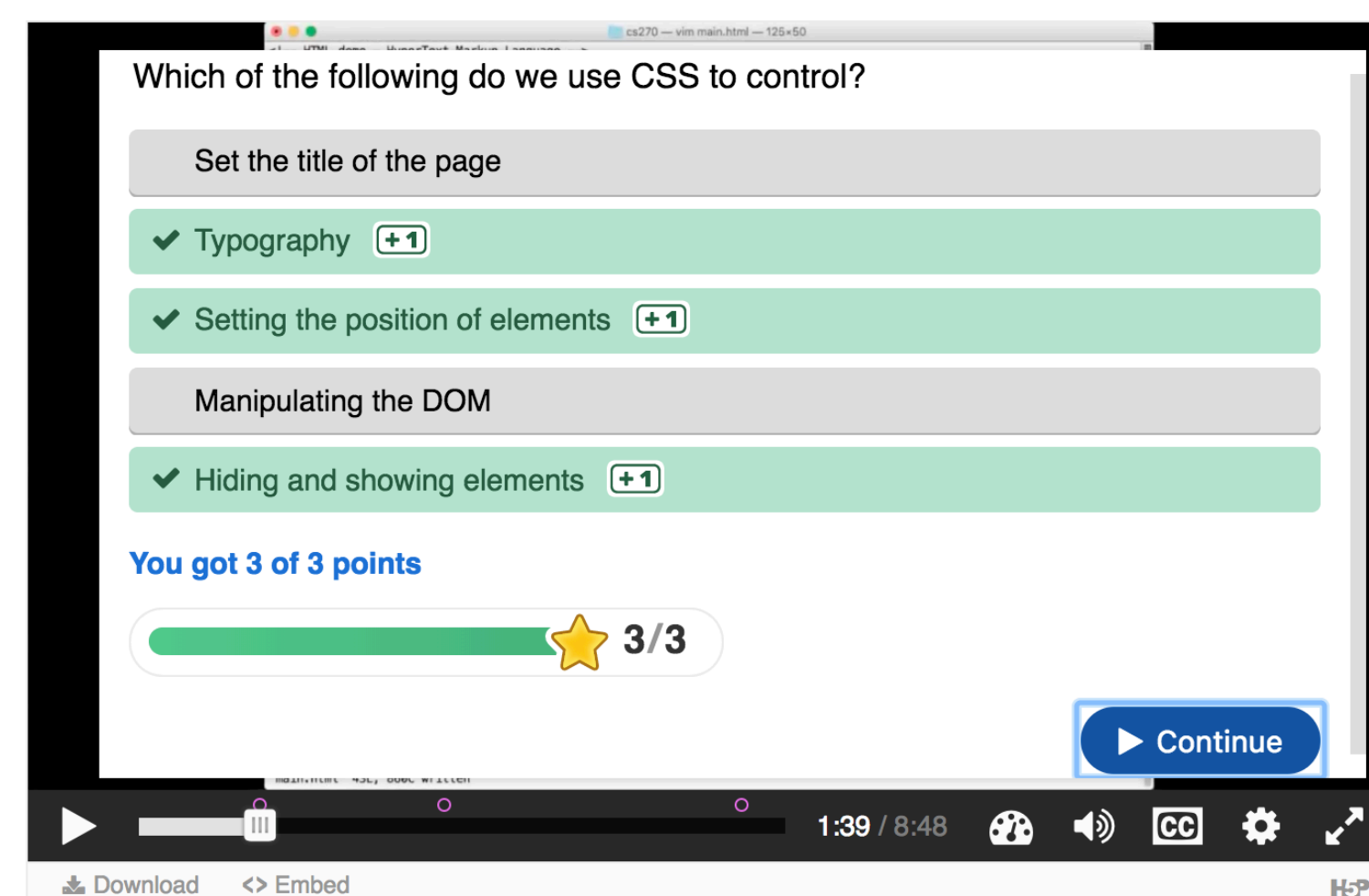
- Recorded lectures and interviews
- Film Clips
- Narrated Powerpoints
- Virtual field-trips
- Laboratory experiments

### H5P

H5P is a free authoring tool to annotate and improve your existing videos with:

- Self-check quizzes
- Bookmarks
- Explanatory text and images
- Links to supplementary materials

### Example



A multiple-choice self-check quiz in a Computer Science video lecture.

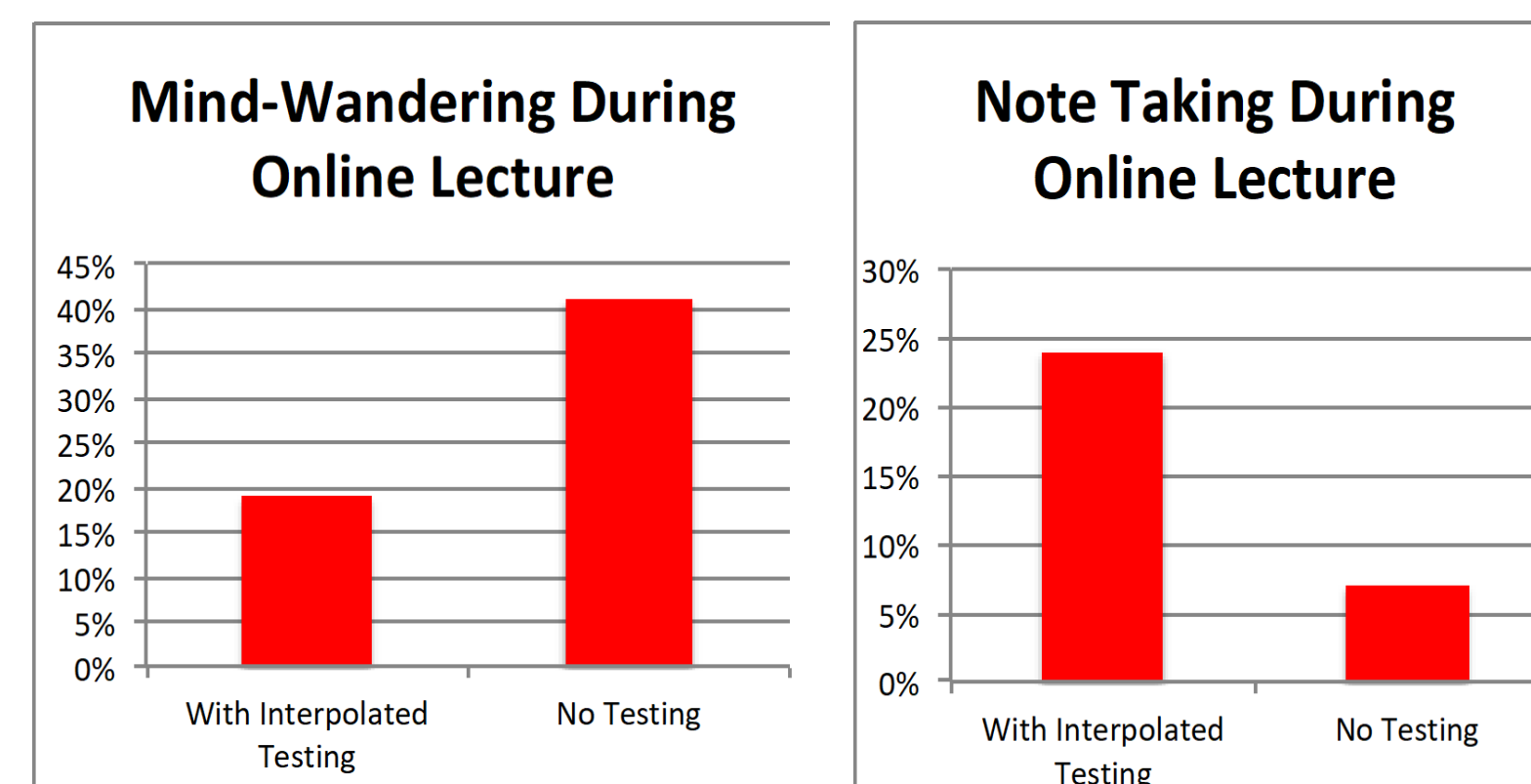
### Evidence this practice benefits UNLV Students

#### Reduce Cognitive Load

Signaling important details within videos and segmenting with bookmarks help novice learners focus on key details in videos. (Brame 2016)

#### Activate Learning

Interpolated Self-checks in videos have been shown to increase note-taking and reduce mind-wandering. (Szpunar 2013)



(data from Szpunar et al. 2013)

#### Provide Transparency

Self-checks which are interpolated into videos help students assess their understanding of a concept in the way that the instructor intends. (Brame 2016)

#### Increase Engagement

Students are more engaged with material that is clearly targeted to them. Adding annotations can help students perceive value in videos. (Brame 2016)

### Resources and where to find them

#### H5P.org

Provides free accounts which can be used to author interactive videos. Their site has examples to help get started.



#### On-Campus Experts

The Office of Online Education creates interactive videos for online courses. They can help you get started.



#### Universal Accessibility

H5P interactive videos are accessible to users with disabilities, through screen readers and keyboard commands.

#### Literature Reference

Brame, C. J. (2016). Effective Educational Videos: Principles and Guidelines for Maximizing Student Learning from Video Content. *Cell Biology*, 15(4)



Szpunar, K. K., Khan, N. Y., & Schacter, D. L. (2013). Interpolated memory tests reduce mind wandering and improve learning of online lectures. *Proceedings of the National Academy of Sciences of the United States of America*, 110(16), 6313–6317.



### How other UNLV teachers might adopt this practice

#### Get Started

Identify a video that you would like to add interactivity to. H5P works with Youtube and uploaded videos.

#### Login

Create a free account on H5P.org to begin creating interactive annotations and self-checks on your videos.

#### Create

Follow this tutorial to learn more about creating interactive content on top of your videos:

<https://h5p.org/tutorial-interactive-video>



#### Embed

When you finish, copy and paste the HTML code into a page in WebCampus. H5P is compatible with Blackboard and Canvas editor.

#### For More Information

You can get help from online forums at: <https://h5p.org/forum>

Faculty members who would like to work with Online Education should contact us: (702) 895-0334 [online@unlv.edu](mailto:online@unlv.edu)