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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.

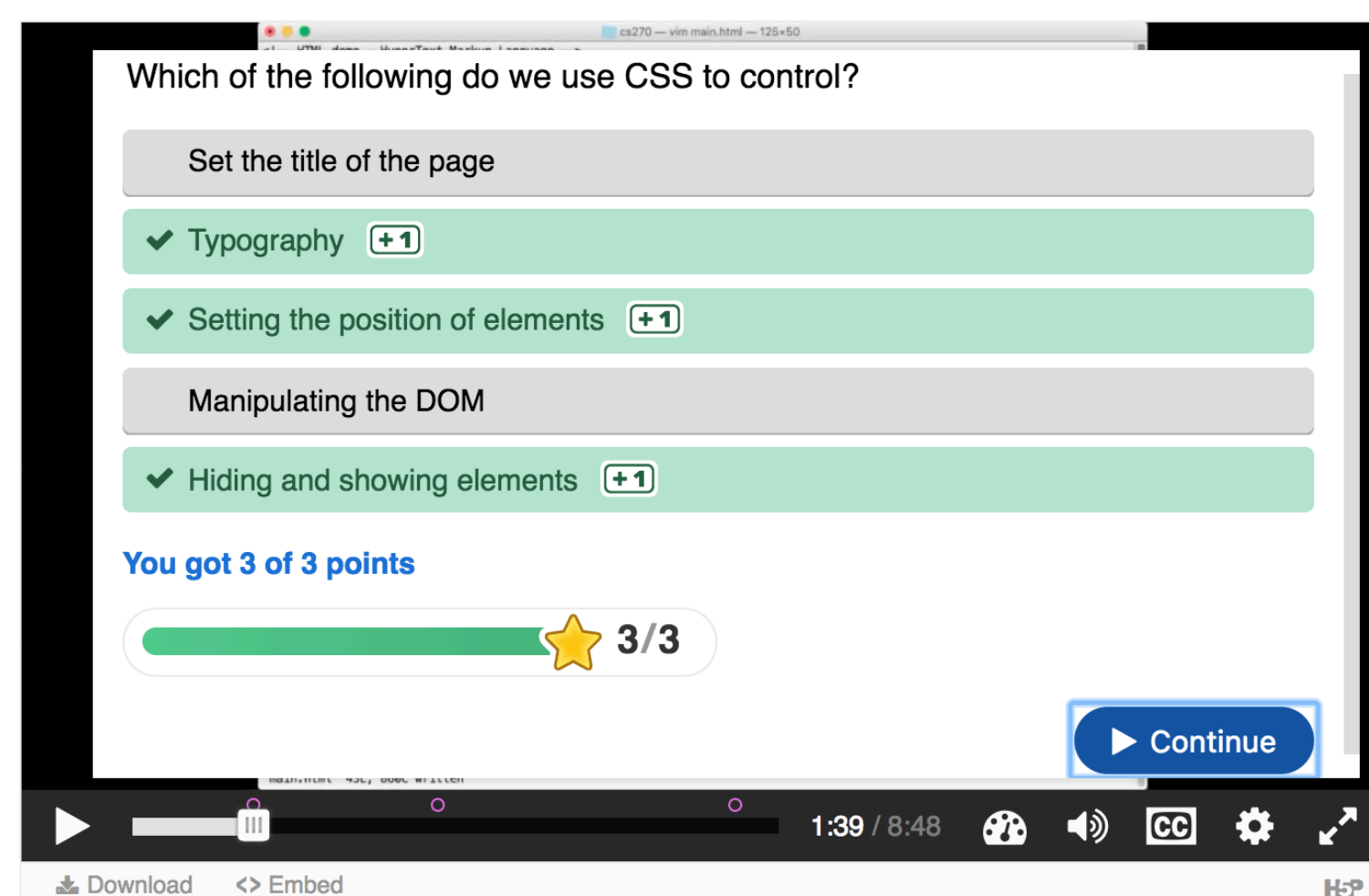
- Recorded lectures and interviews
- Film Clips
- Narrated Powerpoints
- Virtual field-trips
- Laboratory experiments

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.

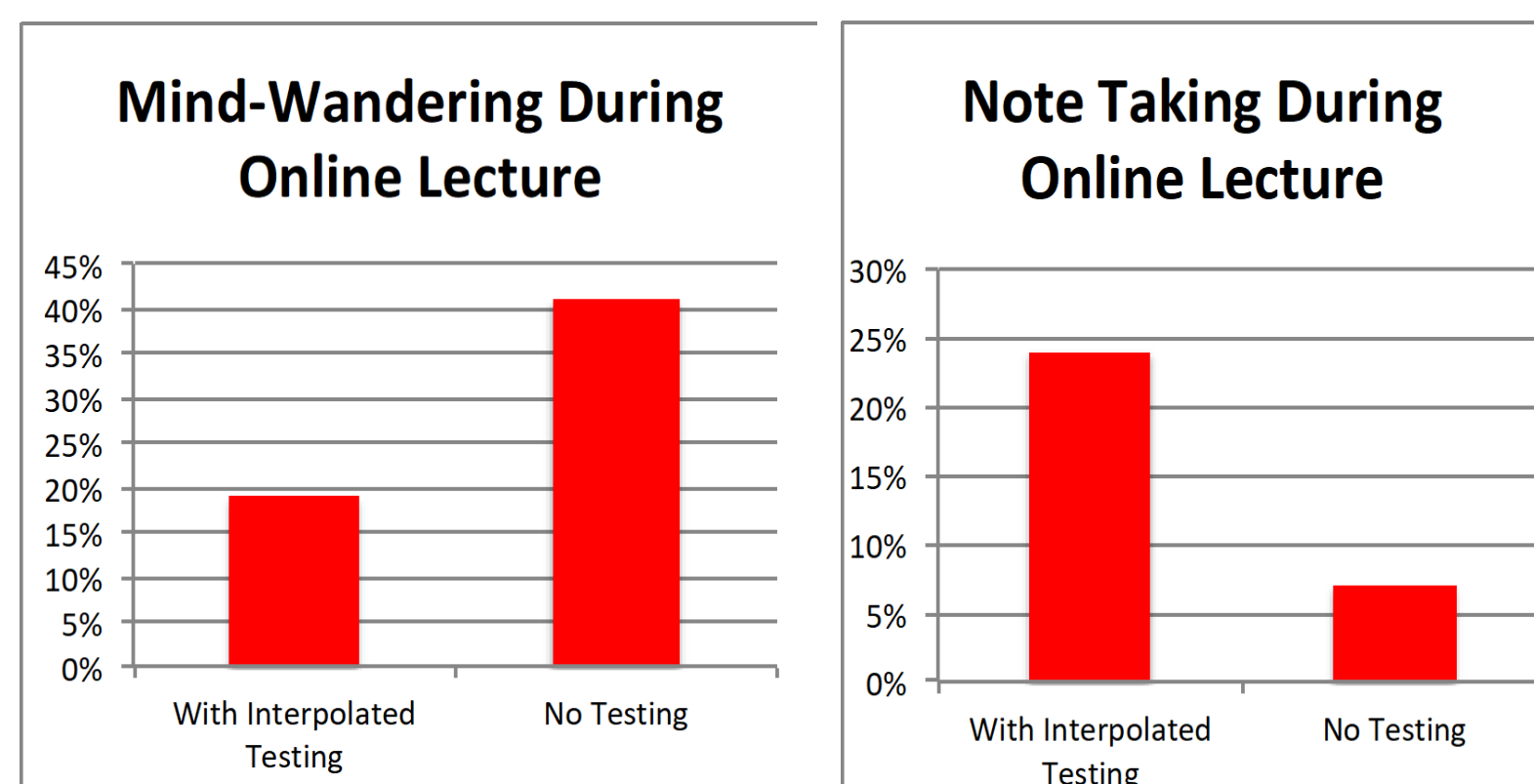
Evidence this practice benefits UNLV Students

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