



What is H5P?

H5P, the acronym for HTML5 Packaged, is an interactive content creation tool for instructional designers and educators across platforms such as Canvas, other LMSs, WordPress, and Pressbooks.

All that is needed to view or edit H5P content is a web browser. H5P content may be created on any H5P enabled web site like H5P.com or Canvas (or Wordpress or Pressbooks) with the H5P plugin installed.

H5P enables educators to create interactive content broadly divided into three categories:

- **Games**: H5P has a number of games, such as flashcards and Find the Words.
- Multimedia: It enables development of Image Sequencing, Find the Hotspot, Presentations, Interactive Video, Branching Scenarios, etc.
- **Questions**: It contains various question formats like Multiple Choice, Fill in the Blanks, Drag and Drop, True/False, etc.





🛛 Check





Research Questions

Does availability of the embedded activities increase student-content interaction? In other words, to what extent do students attempt the questions and games?

Does a student's grade depend upon persistence (whether the student answered until they arrived at the correct answer) and total time spent engaging with the interactive embedded activities?

Do students who perceive the embedded interactive activities as helpful engage more with them and perform better on exams and assignments?

Is there a difference between having H5P "quizzes" versus embedding questions throughout Canvas pages?

- Time spent engaging with the interactive questions
- Likelihood of retrying questions until correct
- Grades on assignments and exams

How Do H5P Interactive Questions Affect Student Engagement & Grade Outcomes?

Christy Spivey, PhD University of Texas at Arlington

🖌 Edit 🖉 Reports Enter the names of the key elements of MINDSPACE, according to the article, given the descriptions provided below. Type the words on the right side where the blanks are.

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Drag the words into the correct boxes

Suppose your utility is only a function of your income, such that your utility is equal to the square root of your income

Your utility when income is equal to 100 is Your utility when income is equal to 200 is Your utility when income is equal to 300 is

Your marginal utility when going from an income of 100 to 200 is

Your marginal utility when going from an income of 200 to 300 is

This is an example of

Submit

Methods

In Fall 2021, I used H5P quizzes in place of Canvas quizzes in my online **Health Economics** course. In Spring 2022, I embedded the same 80 questions throughout Canvas pages in the same course.

Students complete a **survey** at the end of the semester, answering questions about the interactive questions as well as providing demographic data.

Additional data is collected as students answer the H5P questions. H5P "drill-down reports" provide information on how many times the questions was attempted, how long the student engaged with the question, and the answers for each attempt.

Forthcoming Research

Data have not yet been collected for the Spring 2022 semester.

Once all data are collected, including grades, survey, and H5P analytics, I will be able to use regression analysis to answer the research questions.





Survey Results from Fall 20 Students were asked to Strongly Agre Strongly Disagree with the following

The interactive questions added t course.

Once I first engaged with a question keep answering until I got it correct

The immediate feedback from the understand the course material.

The ability to answer the question after my first attempt, helped me material.

The variety of types of questions

I enjoyed answering the question standard Canvas quizzes.

I did not feel pressured to get the first time since they were ungrade

Having ungraded practice questio in the course.

I would have been more likely to a they were for a participation grad

I prefer that the questions were u being for a participation grade.

I answered all of the questions.

I did not answer any of the questi

QUALITY ENHANCEMENT

D21 ee, Agree, Disagree, or statements.	% Responding Strongly Agree or Agree
to the quality of the	91.8
ion, I felt compelled to ect.	93
e questions helped me	96.5
ns again, immediately e master the course	95.3
was engaging.	92.8
ns more than taking	78.6
e questions correct the ed.	81
ons helped me do better	86.9
answer the questions if de.	69
ungraded, as opposed to	63
	65.9
ions.	17.5