Creating Summative Assessments with H5P/LibreStudio and ADAPT



Friday, December 2, 11:30-12:30 pm

What is H5P and LibreStudio?

What is H5P?

H5P is a free and open-source content program that can let you create interactive videos, course presentations, branching scenarios and many more type of questions.

H5P is an abbreviation for HTML5 Package, and aims to make it easy for everyone to create, share and reuse interactive HTML5 content.

▷ Create

Richer HTML5 Content in Existing Publishing Platforms

▷ Share

Content Seamlessly Across Any H5P Capable Site

Reuse and modify Content in Your Browser at Any Time

For more detailed information, visit:

- ⊳ <u>h5p.org</u>
- ⊳ <u>h5p.com</u>

H5P in Action

Examples of H5P activities created in LibreStudio:

- Microbiology: Interactive book
- Psychology: <u>Crossword</u>

Embedded in a LibreTexts page:

- Chemistry example: <u>Hybrid orbitals</u>
- ESL example: Linking consonants to vowels
- Spanish example: <u>Bienvenidos a clase!</u>

Explore LibreStudio

libreStudio 🄇	Browse All	Browse Subject	s Browse Collections	New H5P	New Collection	Author Menu	Log out
Subject	~					Displaying 1 -	20 of 9997
Tags	~	<u></u>	eather and Seasons			3	
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			abic Adjectives and colors			•	

Almost 10,000 openly shared h5p and 200+ educators actively creating content.

- Create, remix, and share h5p
- Built using open source technologies
- Available as an open source platform
- Activities can be embedded into Canvas

pages

studio.libretexts.org

Explore by Collections in LibreStudio

Browse	All Browse Subjects Browse Collec	tions	New H5P New Co	Dilection Author Menu - Log out
,	Foundations in Digital Marketing (Grayson)	Principles of Marketing - H5P Edition	Physical Chemistry - Quantum Mechanics	Concepts of Biology - 1st Canadian Edition (Molnar and Gair)
_	Subject: Business & Management	Subject: Business & Management	Subject: Chemistry	Subject: Biology
	Tags: Digital Marketing	Tags: Marketing	quantum mechanics	Tags: biology
	View Collection	View Collection	View Collection	View Collection
	Writing for Success - 1st Canadian Edition (Tara Horkoff)	Foundations of Neuroscience (Henley)	Principles of Social Psychology - 1st International H5P Edition (Jhangiani	Physical Geology - H5P Edition (Panchuk)
	Subject: (Humanities)	Subject: (Medicine, Nursing & Nutrition)	and Tarry)	Subject: Geosciences
	Tags: Writing	Tags: Neuroscience	Subject: Social Sciences	Tags: Geology
			Tags: Social psychology	View Collection
	View Collection	View Collection	View Collection	

Explore by Subject in LibreStudio

LibreStudio

Browse All Browse Subjects

Biology

445 Resources

8: Tumor supressor and oncogenes by AhadN CCBY Multiple Choice

1 week ago

6.2: miRNA by AhadN

2 weeks ago

6.3: Epigenetics by AhadN

CC BY Multiple Choice

2 weeks ago

View all resources



Browse Collections

Business & Management 180 Resources

Conversion Rate Optimization 3.3A by Angela Chen

CC BY Question Set 1 month ago

Attribution 3.2E by Angela Chen CC BY Drag and Drop 1 month ago

Attribution 3.2D by Angela Chen

CC BY Drag and Drop 1 month ago



Chemistry 1263 Resources

Complex Numbers by Glenn Lo

CC BY Interactive Book

Integrals by Glenn Lo

CC BY Interactive Book

1 month ago

Derivatives by Glenn Lo CC BY Interactive Book

1 month ago

View all resources



New Collection Author Menu - Log out

Engineering & Technology

4 Resources

New H5P



React Component Lifecycle by Ethan Turner (CC BY-SA) Sort the Paragraphs

Favorite Color by Michael

U Multiple Choice

5 months ago

3 months ago

View all resources

View all resources

Create a LibreStudio Account

studio.libretexts.org

Register for account or simply follow along:

Create new account

Display Name*



Organization / Institution

Email *

A valid email address. All emails from the system will be sent to this address. The email address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by email.

Password*



Register with the following code:

Provide a password for the new account in both fields.

Registration code



Use the provided code to register to this site.

Create new account Cancel

Now what can I do with the H5P activities?

- A. You can embed them in a Canvas page (practice/no grade)
- B. You can embed them in a LibreText page (no grade/grade)
- C. You can use them in ADAPT as summative assessment (grade)

Embedding H5P in Canvas page

studio.libretexts.org

Goals:

- 1. Browse H5P library and collections.
- 2. Embed activity in Canvas page.

Steps:

- 1. Go to <u>LibreStudio</u> and find an H5P activity.
- 2. Find the embed code.



- 1. Open a Canvas page.
- 2. Click on HTML view.
- 3. Paste embed code.

Example of embedded H5P in Canvas

You can easily embed H5P activities in Canvas as formative assessment

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Optional practice: V	érbos irregulares en	el pres				
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Optional practice: Verbos irregulares en el presente (verbos zapatos)*

Need More Practice?

Once done with all other weekly assignments, try these optional activities for extra practice. You can redo them as many times as needed before the deadline.

- · Scroll all the way down to see the button 'Check.'
- · Complete all exercises in one seating. H5P does not provide a feature to stop and come back later.
- The last page has a summary.

H-9

Select an appropriate verb from the word bank and conjugate it to complete each sentence below. Do not capitalize or use punctuation, as it will confuse the system.

1. Jenny	(servir) pizza para la cena.	
2. Ella	(recordar) el vocabulario.	
3. Yo	(mentir) a mis profesores cuando no hago la tarea.	
4. Nosotros	(volar) a Rusia.	
5. Ustedes	(poder) tocar la guitarra, ¿verdad?	
6. Tú	(perder) el autobús con frecuencia.	
Check		l
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Example of H5P in LibreTexts

iOjo!

- Algunos hablantes de herencia usan el acusativo "los" en vez del dativo "nos".
 - Por ejemplo: A mis amigos y a mí los gustan los chocolates.
- Un error muy común es el calco del inglés:
 - "A Ricardo le encanta nadando" (swimming) en vez de "A Ricardo le encanta nadar".
- Otro error común es omitir la "a" del complemento indirecto:
 - "Ricardo le encanta nadar" en vez de "A Ricardo le encanta nadar".

iAhora a practicar!

Actividad 2.1.1

Complete los espacios en blanco con el presente del indicativo de los verbos en negrita.				
Los verbos aparecen antes de cada espacio en blanco. No se olvide de incluir el pronombre.				
Dos compañeros conversan después de asistir a una charla sobre innovaciones tecnológicas				
Ana: No sé, Pablo, pero los argumentos del invitado no (convencer) del todo				
Pablo: ¿De veras? A mí (interesar) 👔 el tema, pero tengo sentimientos encontrados sobre el uso de ciertas tecnologías en las escuelas primarias. ¿A ti no (parecer) 👔 raro que los dueños de estas compañías e ingenieros no permitan a sus hijos usar tabletas o teléfonos móviles?				
Ana: ¿Cómo? ¿Qué dices? ¿Que a ellos no (parecer) bien que sus hijos usen los productos que nos venden?				
Pablo: ¿No lo sabías? A esos padres (molestar) todo eso y más A ellos (importar) nucho el desarrollo de la creatividad de sus niños. Saben que estar en contacto con máquinas no los ayuda para nada				
Ana: Vaya, no tenía idea. Tenemos que hacer algo, porque a ti y a mí sí (importar) 🔹 🕦 esta situación.				
Comprobar Actividad 2.1.1				
C Reuse ⊗ Rights of use ↔ Embed H-9				

Entrada Libre: Verbos como "gustar"

Then, what is ADAPT?

What is ADAPT?

ADAPT is a comprehensive online assessment/homework infrastructure that provides faculty the ability to include auto-graded and non-autograded activities from different platforms such as **H5P**, **MyOpenMath**, **WeBWork**, and it's own **native** ADAPT questions.

ADAPT can be integrated into an LMS such as Canvas with full grade integration or it could be run independently.



Public Courses

Public Courses

Name	\$ Authored By	\$ School	\$ Actions
ADAPT Nodes	Larry Mink	California State University - San Bernardino	⊚ ↓
Big Ideas in Cosmology	Kim And Mel Coble Sabella	San Francisco State University	⊚ ↓
Chem 110A: Introductory Quantum Mechanics	Delmar Larsen	University of California - Davis	⊚ ↓
Chem 1300: Preparatory Chemistry (UA Little Rock)	Bob Belford	University of Arkansas at Little Rock	⊚ ↓
Chem 1403L: General Chemistry II Lab	Bob Belford	University of Arkansas at Little Rock	⊚ ↓
Chem 2BH: General Chemistry II Honors	Delmar Larsen	University of California - Davis	⊚ ↓
Chem 2C Lab: General Chemistry III	Delmar Larsen	University of California - Davis	⊚ ↓
Chem 2C: General Chemistry III	Delmar Larsen	University of California - Davis	⊚ ,↓,

Dashboard

Hi, Cristina! ▼ Contact Us

ADAPT in Canvas

California Colleges with LTI completed (as of 12/1/22):

- 1. California State University Fullerton
- 2. Cañada College
- 3. Chabot College
- 4. City College of San Francisco
- 5. College of San Mateo
- 6. Las Positas College
- 7. Lake Tahoe Community College
- 8. Mount Saint Mary's University (Los Angeles)
- 9. Santa Monica College
- 10. Skyline College



To link your campus Canvas to ADAPT: Instructions for your Canvas Administrator.

Let's take a look at ADAPT

- 1. Login to your ADAPT instructor account and create a **new course**
- 2. Import assignment from Commons or Public courses
- 3. Search by questions
- 4. Create **new assignment** and activities
- 5. Student access:
 - a. Login directly to ADAPT
 - b. ADAPT LTI in Canvas

Create an instructor ADAPT account



Login · ADAPT (libretexts.org)

- ▷ Create an instructor account
- \triangleright Access code:



Register With ADAPT

To register as an instructor, please fill out the form below using your instructor access code. If you don't have an access code, then please contact us and we can provide one for you.

The fields marked with an asterisk are required.

First Name*	First
Last Name*	Last
Email*	1111
Password*	••••••
Confirm Password*	
Access Code*	
Time zone*	Pacific Time +

Click on "contact us" and complete the form. Once confirmed, you will receive an email with the access code which you will use to create the ADAPT account

Submit

Search in Commons

ibreText	S™		Dashboar
ons	1		My Courses My Questions
Con	nmons		Search Questions My Learning Trees
Na	ime	Description	Browse Learning Trees My Assignment Templates
	termediate ıtrition	This class addresses nutrients, their function, metabolism, and relation to health and disease: the digestion, absorption, transport, utilization, and storage of nutrients in humans.	Public Courses Commons
(In	trada Libre itermediate anish)	Entrada libre is an intermediate/advanced college-level Spanish OER grammar manual for second language learners and heritage speakers of Spanish at the community college level. Each of the 24 units includes a reading with examples of the grammar points used in context, grammar explanation, and self-graded follow-up activities for practice using H5P as a formative assessment.	© ك
	emistry penStax)	This text is designed for the two-semester general chemistry course. For many students, this course provides the foundation to a career in chemistry, while for others, this may be their only college-level science course. As such, this textbook provides an important opportunity for students to learn the core concepts of chemistry and understand how those concepts apply to their lives and the world around them. The text has been developed to meet the scope and sequence of most general chemistry courses.	© ¥

Search Public Courses

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Public Courses					My Courses
F	Public Courses				My Questions Search Questions My Learning Trees
	Name	¢	Authored By	School	Browse Learning Trees My Assignment Templates
	Zombie Math		Jennifer Moorhouse	Not Specified	Public Courses Commons
	Test Chemistry		Lee McPherson	Not Specified	لي ⊘
	Spanish 1B		Cristina Moon	Chabot College	رل ا
	Spanish 1A		Cristina Moon	Chabot College	_ل_ ©
	SPAN 101 Spring 22		Roberto Hurtado	Montgomery College	© 4
	Sandbox		Thu Cao	Not Specified	لي ⊘
	NBA SEMINARS (STEM Bootcamp)		Cara Bennett	Not Specified	© 4
	Microbiology		Ying Liu	City College of San Francisco	$\odot \downarrow$
	MGF DEMO		James Paradiso	University of Central Florida	.↓

Import an existing course

You can look for public courses that other instructors have shared by going to "**Public Courses"**.

If you like what you see, you can import the course to your account:

- 1. Click on "Import course"
- 2. Search for course name or instructor name
- 3. Then, import.

× Import Course Enter a course or instructor name

Cancel Yes, import course!

Search by Questions

Search Questions



How to integrate ADAPT with Canvas?

My Courses / Testing Spi

From ADAPT:

- Verify your school has completed the LTI
- 2. In ADAPT > course properties > find your school
- Once you select your school, at the bottom of the page you will have the option LMS yes/no.
- 4. Choose yes.

rties				Hi, Cristinal 👻 C
Course Properties	General Informati	lon		
General Information	The fields marked w	ith an asterisk are required.		
Sections	School ⑦	Not Specified	× ~	
Graders Grader Notifications	Course Name*	Testing Spanish		
Students				
A11y Redirect	Public Description (
Tethered Courses Assignment Group Weights	Private Description			
Letter Grades Ungraded Submissions	Textbook URL ③			
Embed Properties	Term* (?)			
Gradebook Reset Course	Start Date*	Monday, January 18, 2021		

Update

LMS* ?

No

Yes

No

Next, how to link ADAPT to your Canvas course

From Canvas:

- 1. Create an assignment
- 2. Edit the assignment and choose "external tool" under submission type.



- 1. Click on "find" and look for ADAPT and "select".
- 2. Click on "Load This Tool in A New Tab"

Conf	Configure External Tool							
mod	dule.							
_	3C Media Q							
	ADAPT Q Online homework platform							
_	Alexander Street Video Q Search and embed Alexander Street video	1						
	Ally Institutional Report Attendance							
	A very handy tool for creating seating	-						
	Cancel Selec	t j						
Submission T	External Tool							
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	Enter or find an External Tool U	RL						
	https://adapt.libretexts.org/ap	Find						

Considerations when Creating H5P

H5P is always changing, here are some things to consider when creating content:

- ▷ New H5P Types: New H5P types are being added regularly.
- Remix: You can find H5P to remix on Studio and elsewhere.
- Accessibility: Some content types are more accessible than others.

LibreTexts <u>Accessibility Report</u> for H5P Activity Types.

ADAPT: Some activities might not be ideal for the ADAPT homework system.

H5P activities in ADAPT

H-2

If you are planning to use ADAPT as your homework system to deploy the H5P activities:

- AVOID: Compound activities (multiple "check" buttons in one activity or the ones without a "check" button) such as course presentation, question set, single choice set, column, accordion, etc.
- Summary of experimental results, photoelectric effect
- · When light shines on a clean metal surface, electrons can be emitted from the surface.
- Only light with frequency greater than some threshold (minimum frequency) causes ejection of electrons.
- At frequencies high enough to eject electrons, the number of electrons ejected (the measured electric current) depends on intensity of the light.
- The kinetic energy of the ejected electrons increases with the frequency of the light but does not depend on the intensity of the light.

> Einstein's theoretical interpretation

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- Use:
 - Fill in the blanks
 - Multiple choice
 - True/False question
 - Sort the paragraphs

		Which of the following is not a noble gas?
Blackbirds are black		O xenon
O True O False	O False	O argon
		O hydrogen
Check		O Helium
C Reuse <> Embed		Check

Newest ADAPT Feature for Accessibility : A11y redirect

A11y Redirect

ADAPT integrates a variety of open-source technologies, some of which have accessibility issues which are beyond our control. To remedy this, ADAPT can serve your students modified questions which satisfy web-based accessibility requirements assuming that an accessible version of the question has been created.

۵

The fields marked with an asterisk are required.

Student*

Please choose a student

Redirect to* • a11y technology text question



16 17

18 19 20 21 22

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15





Notes

Advanced fill in the blanks is not accessible. An accessible fill-in the blanks version was also created.

https://www.youtube.com/watch?v=8XFW-TFYEXs

Now ... are you ready to try ADAPT?

LibreTexts Workshop

This event will be hosted virtually by LibreTexts on December 9, 2022 from 9-3 PST.

This workshop will showcase LibreTexts' ADAPT and LibreStudio platforms. We will demonstrate how instructors can use ADAPT to augment existing and newly constructed OER textbooks with summative exercises and embed them in LMSs, LibreTexts textbooks, in a standalone application, and in-class clickers. Discussions will demonstrate how the ADAPT homework system empowers faculty to build and use existing questions in multiple modalities. Participants will learn how to build autograded questions based on four technologies - H5P, WebWork, IMathAS, and native (QTI) - that can be used interchangeably to allow for maximal impact.

We will also introduce the LibreStudio platform for construction, storage and distribution of H5P assessments. Participants will be able to join LibreStudio to create and share H5P assessments, review the H5P of other authors, and build/join a community within Studio. We will conclude with an overview of the analytics infrastructure to provide real-time learning analytics to instructors on student progress with pre-defined learning objectives.

There is an optional \$25 registration fee if you'd like to receive a LibreTexts t-shirt after the workshop. If no shirt is desired, registration is free. Registration

Recorded OERI Workshops

H5P Level I: Introduction to H5P

Monday, June 27, 1:00 pm – 2:30 pm H5P Level I – Introduction to H5P webinar recording H5P Level I – Introduction to H5P presentation slides

H5P Level II: Building interactive content in LibreStudio

Monday, July 11, 1:30 pm – 3:00 pm H5P Level II – Building Interactive Content in LibreStudio webinar recording H5P Level II – Building Interactive Content in LibreStudio presentation slides

H5P Level III - Creating Summative Assessments with H5P in ADAPT

Wednesday, July 13, 1:30 pm – 3:00 pm H5P Level III – Creating Summative Assessments with H5P in ADAPT webinar recording H5P Level III – Creating Summative Assessments with H5P in ADAPT presentation slides

ADAPT resources

- ADAPT <u>construction guide</u>
- Videos created by Prof. Robert Belford:
 - Bulk Uploading 5 questions from H5P to ADAPT
 - <u>Adding 5 random questions from H5P to adapt</u> <u>assignment</u>

Questions?

Cristina Moon Ph.D. Spanish Faculty OER/ZTC Coordinator at Chabot College ASCCC OERI Spanish Lead, H5P/ADAPT Lead, and OERI Liaison <u>cmoon@chabotcollege.edu</u>