Creating interactive content with H5P

We’ll begin shortly.
This session will help you:

- Understand why, where, when to use H5P
- Explore types of content available in H5P
- Draw inspiration from examples of education-related H5P projects
- Learn how to get started with H5P

What’s on for today:

- Introduction to H5P
- Content types
- Examples to try
- Questions + resources
What is **H5P**?

- Abbreviation of **HTML 5 Package**
- H5P is a platform for creating standardized, shareable, self-contained digital interactives that work on desktop and mobile devices.
- Most content in Canvas is static & passive. H5P allows for more interactive content.

Q: Is it ‘integrated’ with Canvas?

Not at this time. Content can be easily embedded wherever you like….

BUT scores from ‘quiz’ activities will not push to the Grades section in Canvas. This may change in the future.
Why use **H5P**?

- Adds dynamic aspect to static learning materials
- Interactivity, Visualization, Gamification, Personalization
- 40+ content types to choose from; flexible depending on need
- Easily embed content into Canvas

- Examples of how to use each content type on h5p.org
Content Types

Accordion
Create vertically stacked expandable items

Agamotto
Create a sequence of images that gradually

Arithmetic Quiz
Create time-based arithmetic quizzes

Audio Recorder
Create an audio recording

Chart
Quickly generate bar and pie charts

Collage
Create a collage of multiple images

Column
Column layout for H5P Content

Dialog Cards
Create text-based turning cards

Dictation
Create a dictation with instant feedback

Documentation Tool
Create a form wizard with text export
Content Types

- Drag and Drop
  Create drag and drop tasks with images

- Drag the Words
  Create text-based drag and drop tasks

- Essay
  Create essay with instant feedback

- Fill in the Blanks
  Create a task with missing words in a text

- Find Multiple Hots...
  Create many hotspots for users to find

- Find the Hotspot
  Create image hotspot for users to find

- Find the words
  Grid word search game

- Flashcards
  Create stylish and modern flashcards

- Guess the Answer
  Create an image with a question and answer

- Iframe Embedder
  Embed from a url or a set of files

- Image Hotspots
- Image Juxtaposition
- Image pairing
- Image Sequencing
- Image Slider
Content Types

- **Image Hotspots**: Create an image with multiple info hotspots
- **Image Juxtaposition**: Create interactive images
- **Image Pairing**: Drag and drop image matching game
- **Image Sequencing**: Place images in the correct order
- **Image Slider**: Easily create an Image Slider

- **Impressive Present...**: Create a slideshow with parallax effects
- **Interactive Book**: Create courses, books or tests
- **KewAr Code**: Create QR codes for different purposes
- **Mark the Words**: Create a task where users highlight words
- **Memory Game**: Create the classic image pairing game

- **Multiple Choice**: Create flexible multiple choice questions
- **Personality Quiz**: Create personality quizzes
- **Questionnaire**: Create a questionnaire to receive feedback
- **Quiz (Question Set)**: Create a sequence of various question types
- **Single Choice Set**: Create questions with one correct answer
Content Types

Speak the Words
Answer a question using your voice

Speak the Words Set
A series of questions answered by speech

Summary
Create tasks with a list of statements

Timeline
Create a timeline of events with multimedia

True/False Question
Create True/False questions

Virtual Tour (360)
Create interactive 360 environments

Interactive Video
Create videos enriched with interactions

Course Presentation
Create a presentation with interactive slides

Branching Scenario
Create dilemmas and self-paced learning

Advanced fill the bl...
Fill in the missing words
Content Type and Instructor Intention

When to use it:

- Content types can align with your pedagogical intentions
- Presenting Aesthetic Content?
  - Be mindful of ‘seductive details’
- Presenting Interactive content / diagrams?
  - Good for worked examples / spatial / procedural content
- Formative Learning Activities?
  - Retrieval Practice
  - Self-Regulation / Monitoring
  - Problem Solving
Timeline

The Timeline helps you place a sequence of events in a chronological order. Dates can go as far back as 100,000 BCE. Students may use this for reflection projects.

History of strawberries

The strawberry plant is a member of the Rosaceae family and the genus Fragaria. Against the common belief that strawberry is a fruit, the fleshy red outgrowth is actually the receptacle of the strawberry flower.

Source: http://www.buzzle.com/articles/history-of-strawberries.html
Flashcards can be created singly or in sets, with both questions and answers. They work efficiently with definitions, languages, image recognition.
Image Hotspots

Upload an image and add interactive hotspots that may include text, image or video when clicked.
Interactive Video

Integrate interactive content (multiple choice quiz, free text questions, drag and drop text + more) in videos using Interactive Video.
Drag and drop enables the learner to associate two or more elements and to make logical connections in a visual way. This can entail grouping elements that belong together or have something in common, match an object with another object.
Course Presentation

Create an interactive course presentation with built-in questions and videos. Students can easily navigate from topic to topic at pre-set checkpoints.
Creating an account at https://h5pstudio.opened.ca/

ETS H5P Studio

You made it! Nice to have you here.

The UBC Educational Technology Support team (part of the Faculty of Education) intends to use this WordPress site as an authoring environment for H5P objects. It is free to use and hosted in BC. You can create content using H5P and make it public, keep it private, or export it yourself. You are in control.

Policies

As you begin to use this WordPress site, please review and abide by the Code of Conduct and Terms of Use.

Acknowledgments

We are grateful to OpenETC for hosting this H5P-enabled WordPress server so we can create interactive content and objects. Both H5P and WordPress are open source technologies, and we acknowledge the community that built these tools. We also thank eCampusOntario and others for developing the H5P Studio concept. We will share our knowledge and experience as we embark on this endeavour. This site was created using the Canvas Course Clone theme.
Creating H5P interactives

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H5P x **Canvas**
It’s Demo Time!
Thanks for your kind attention.

What questions do you have for us?
Resources and support

H5P content examples: https://h5p.org/content-types-and-applications
H5P Forum: https://h5p.org/forum
H5P and Accessibility: https://documentation.h5p.com/content/1290410474004879128
Adding H5P plugin to Wordpress: https://h5p.org/documentation/setup/wordpress
UBC Wiki: https://wiki.ubc.ca/Documentation:H5P
Online Learning Design for International Audiences: https://ets.educ.ubc.ca/victoria-surtees-on-online-learning-design-for-international-audiences-and-digital-interactions/
Catalogue of H5P content: https://h5pstudio.ecampusontario.ca/
Join ETS H5P Studio: https://h5pstudio.opened.ca/
Book a meeting with ETS: https://ets.educ.ubc.ca/

CONNECT WITH US

8:30 am – 4:30 pm

Email: ets.educ@ubc.ca
Voicemail: 604-822-6333
Twitter: @UBC_ETS
Any questions?

Rewrite: $(y) = 2x + 3$

$2x + 3 = y$

$x = \frac{y - 3}{2}$

$y^{-1}(x) = \frac{x - 3}{2}$
This content introduces a fun way to answer questions online: through speech. Students will be challenged to think on their feet and answer with precision.
Creating an account at https://h5pstudio.opened.ca/

Join Us!

If you are part of UBC’s Faculty of Education and would like to join the ETS H5P Studio, please create an account using your UBC email address and then let us know by email at ets.educ@ubc.ca. We will add you as soon as we can.

If you would prefer a private authoring environment to this shared one, let us know and we will help you get started.
How about some examples

Example 1 (Interactive Video on how to use Zoom)

Example 3 (Image Hotspots Choosing Technologies)

Example 4 (Drag and Drop Nephron Labelling)

Example 5 (Drag and Drop Intonation)

Example 6 (Timeline of Earth’s History)