

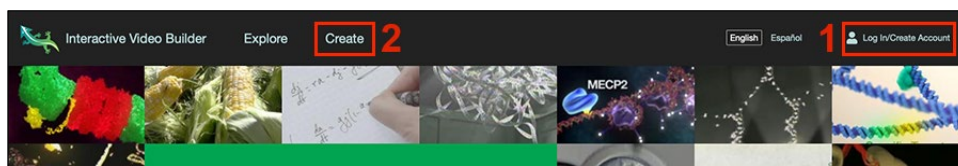
INTRODUCTION

Interactive Video Builder is a tool that you can use to create **interactive videos** (videos with added pause points and embedded interactions, such as questions) from BioInteractive films, clips, and animations.

Open *Interactive Video Builder* by selecting “Start Tool” on [this resource’s webpage](#). This will open the landing page (homepage) for the tool. To access premade interactive videos created by BioInteractive, select the “**Explore**” option in the top menu of the landing page. To create your own interactive video, follow the steps below.

Landing Page

1. To create interactive videos, you must log in to the tool with your BioInteractive username. Select the link at the top left of the landing page to log in, or create an account if you do not have one.
2. Select “**Create**” in the top menu to open the “Create” tab.





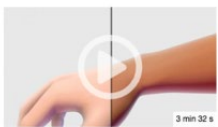



Choose a Video

3. The “Create” tab displays the library of available BioInteractive videos. Use the filters on the right to refine your search for a video.
4. Choose the video you want to use by selecting the associated “**Create Interactive Video**” button.

Create your own interactive video

Select from over 200 BioInteractive videos, clips, and animations. Use the filters to narrow down your search. Once you find a resource, click the “Create Interactive Video” button to get started.

 <p>Chargaff's Ratio 49 s</p> <p>This animation describes the typical ratios of bases in DNA. DNA & RNA College High School — AP/IB High School — General</p> <p>Create Interactive Video 4</p>	 <p>The Chemical Structure of DNA 3 min 25 s</p> <p>This animation explores the chemical components and bonds of the nucleotides that make up DNA. DNA & RNA College High School — AP/IB High School — General</p> <p>Create Interactive Video</p>	 <p>Natural Selection for Lactose Tolerance 48 s</p> <p>This animation shows how a mutation that allows adult humans to digest milk can be lost or spread under different circumstances. Population Genetics Mutations College High School — AP/IB High School — General</p> <p>Create Interactive Video</p>	<p>3</p> <p>Apply</p> <p>Search</p> <p>keywords</p> <p>Video language</p> <p>English</p> <p>Topic</p> <ul style="list-style-type: none"> <input type="checkbox"/> Anatomy & Physiology <input type="checkbox"/> Biochemistry & Molecular Biology <input type="checkbox"/> Cell Biology <input type="checkbox"/> Earth Science <input type="checkbox"/> Ecology <input type="checkbox"/> Environmental Science <input type="checkbox"/> Evolution <input type="checkbox"/> Genetics <input type="checkbox"/> Microbiology <input type="checkbox"/> Science Practices
 <p>Sickle Cell Disease 1 min</p>	 <p>How We Get Our Skin Color 3 min 32 s</p>	 <p>Malaria: Mosquito Host 3 min 59 s</p>	

Create Your Interactive Video

5. Selecting a video will open a “Create Interactive Video” page that has several form fields to complete. The first field, “**Title of your activity,**” is for the title of your interactive video. Customize the prepopulated title as needed to help you distinguish this interactive video from others you may develop in the future. For example, add your name, date, and/or class period.
6. The second field, “**Description of your activity,**” is for an optional description of your interactive video. This may include additional context or instructions for your students. This description will appear below the video player when you share the completed interactive video.
7. The next section of the form is titled “Interactive Video,” and it will display the name of the video you selected. Select “**Step 2: Add embedded questions**” to start building your interactive video.

Create Interactive Video

Title of your activity **5**

Out of the Ashes: Dawn of the Age of Mammals - Mr. Nielsen - Fall 2022 - 1st Period ✓

Description of your activity (optional) **6**

B I | Source

This video examines what happened after a giant meteor caused a mass extinction. What types of plants and animals recovered, and why?

Watch the video and answer all the questions. At the end of the video, you will be prompted to save your answers in PDF form. Add your name, save the PDF, and email it to me by the end of the week.

body p

Interactive Video **7**

🔍 Out of the Ashes: Dawn of the Age of ...

Step 1
Video selection

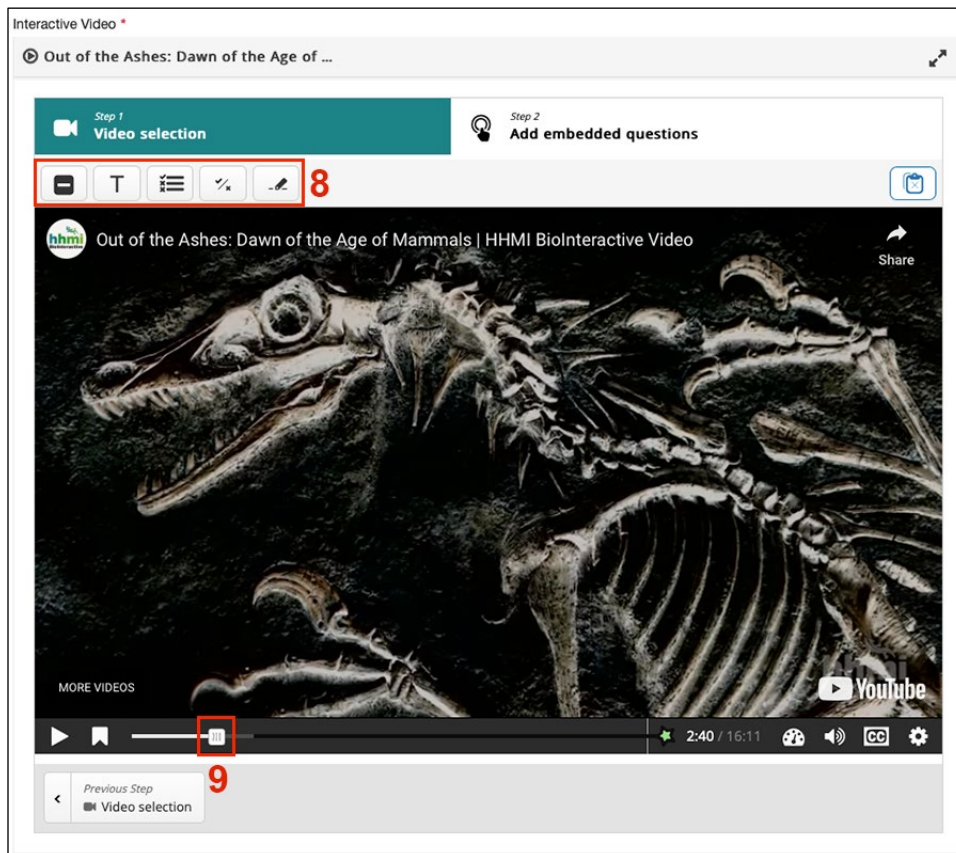
7
Step 2
Add embedded questions

Please continue to the next step.*

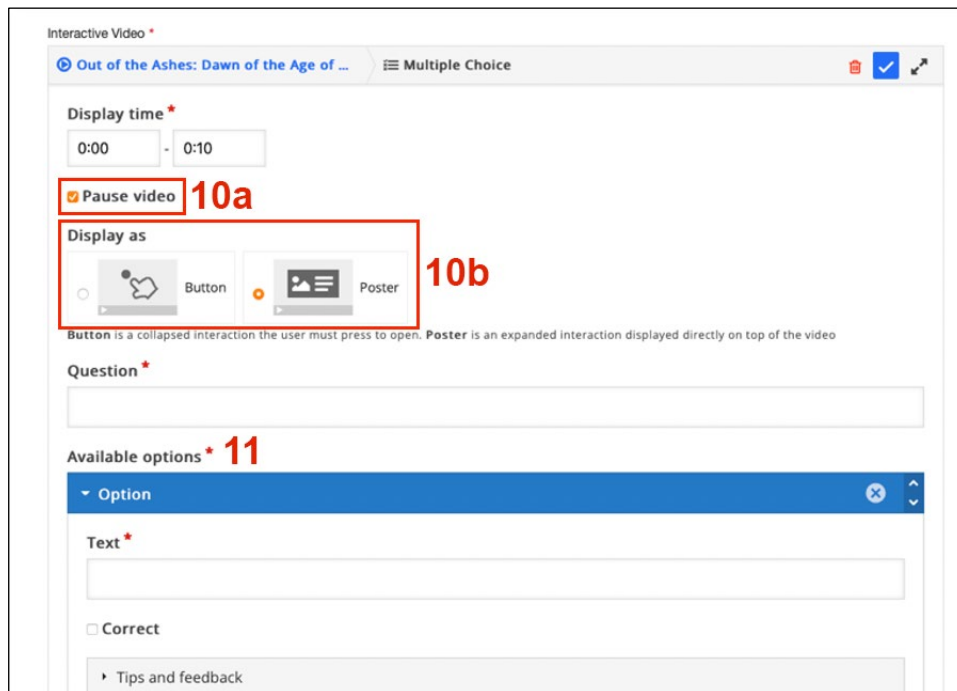
Please continue to the next step, "Add embedded questions" to create and update your video activity.

Add Embedded Questions/Interactions

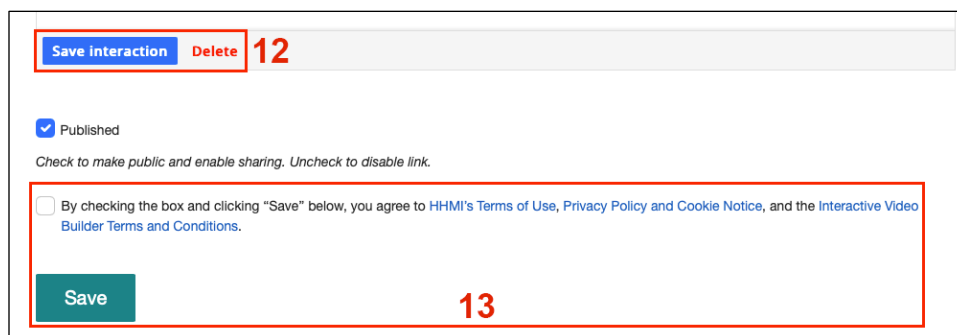
8. The video will appear in a video player window with five icons above it, each representing a type of interaction (e.g., question type) that you can add to the video. From left to right, these icons and their interactions are:
 - a. **Label:** A short line of text that can be used as a simple label.
 - b. **Text:** A larger box of text that can be more fully customized. Use this option to add hyperlinks to other media (e.g., graphs or images).
 - c. **Multiple Choice:** A question with multiple answer choices. You can add as many choices as you like, and more than one choice can be correct. You can add hints and messages for each choice.
 - d. **True/False Question:** A question with two answer choices: true or false. You can add messages for each choice.
 - e. **Free Text Question:** A question without any answer choices. Students must type in responses.
9. To add an interaction, move the slider at the bottom of the video to your desired pause point, then select the icon for the desired interaction.



10. Additional fields will populate for each added interaction. These fields allow you to customize how the information will be displayed and will include the following:
 - a. **Pause video:** Select the “Pause video” checkbox to make the video pause when the interaction appears (useful for questions that students need to answer before continuing). If this box is unselected, which it will be by default, the video will continue to play when the interaction appears (useful for labels or text).
 - b. **Display as:** Select the “Button” option to make the interaction appear as a button that students must select to display the content/question. Select the “Poster” option to display the full content/question over the video.
11. The question-type interactions also offer options for customizing responses, such as allowing students to check answers, revealing correct answers, randomizing answer choices, providing tips and feedback for selections, etc.



12. Once you have finished customizing the interaction, navigate to the bottom of the page and select **“Save Interaction”** to return to the video player. If you wish to remove the interaction, select **“Delete”** instead.
13. Repeat Steps 9–12 to add as many interactions as you wish. When you are finished adding interactions, navigate to the bottom of the page. Review and agree to the terms and notices, then select **“Save”** to save your interactive video.



Share Your Interactive Video

14. After saving a new interactive video, a page with the final video will be displayed. Use the **“Get shareable link”** button to copy a link that you can share with students.
 - a. When students complete the interactive video, they will be prompted at the end of the video to submit their answers. This will create a PDF that they can add their name to and then download, save, and send to you.

Out of the Ashes: Dawn of the Age of Mammals - Mr. Nielsen - Fall 2022 - 1st Period

Esther Shyu

Review and submit answers

Get shareable link **14**

This film explores how life recovered after an asteroid wiped out the dinosaurs and how those events shaped the diversity of plants and mammals on Earth today.

Sixty-six million years ago, a giant asteroid struck the Earth. It triggered a mass extinction that wiped out 90% of all species, including the large

Access or Change Your Interactive Videos

15. If you wish to access or edit an interactive video that you have previously created, select **“My Interactive Videos”** in the top menu (will appear only when you are logged in).
16. The **“My Interactive Videos”** page lists all the interactive videos that you have created. For each video, you can:
 - a. Copy the video’s URL to share by selecting the clipboard icon.
 - b. Select the **“Edit”** button to reopen the video for editing, or select the **“Delete”** button to remove the video. (Note that if you delete an interactive video, this deletion is permanent. The video’s link will no longer work, even if you have already shared it.)

Interactive Video Builder Explore Create **My Interactive Videos** English Español BioInteractive

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My Interactive Videos

BioInteractive Team

Go to HHMI BioInteractive to change account info.

Title	URL	Language	Actions
Chargaff's Ratio	/activity/18a41b6-6c9c-4074-ace2-c1571e4a77f2	English	EDIT DELETE
Great Transitions: The Origin of Birds (Will's unreviewed example)	/activity/1061488d-c169-450c-a2c9-5f757fb2112e	English	EDIT DELETE
Out of the Ashes Dawn of the Age of Mammals - BioInteractive Teacher - 1st Period	/activity/0870947c-9e1f-484f-84a0-43ea72987440	English	EDIT DELETE
Rock Pocket Mice - ERG Example	/activity/b8188fcf-bcfe-4ddd-be58-78e3d0a220b5	English	EDIT DELETE
Sickle Cell Disease	/activity/ace19e73-9f60-4fe9-a64b-cb961178f61e	English	EDIT DELETE

16a

16b