



DISCOVERY EDUCATION *streaming* INTRODUCTION

Engage Your Students with Digital Media Content

Discovery Education *streaming* is the only digital video-based learning resource scientifically proven to increase academic achievement. Featuring more than 10,000 full-length videos divided into nearly 75,000 content-specific video segments, DE *streaming* enables you to seamlessly integrate digital media in the classroom.

This User Guide provides an overview of DE *streaming*. Our enhanced interface puts more information, search tools and navigation links at your fingertips.

New and expanded Features Make DE *streaming* Your Primary Source for Digital Media Content

- Dynamic, drill-down navigation menu drives targeted searches
- New navigation tools provide path or “breadcrumb” links
- Teacher tools support creation of teacher-selected content for student access
- Teacher preferences allow you to create a customized homepage to display links to curriculum tools, new videos, calendar events and teaching tips
- New media types including games, skill builders and animations support different learning styles and add depth to your projects
- Professional Development content provides tools for technology integration and supports teachers’ professional growth and development

Use DE *streaming*’s Builder Tools to Create and Innovate in Your Classroom

• Assignment Builder

Gather video segments, images, quizzes and trusted websites in one place and create an interactive learning experience for students.

• Quiz Builder

Assess student comprehension or survey prior knowledge with a DE *streaming* quiz. Search the Quiz Library, choose individual questions from the Quiz Builder databank or write your own questions.

• Writing Prompt Builder

Stimulate the writing process in your classroom with images that are ready-made for declarative, persuasive, narrative, and expository writing exercises.

Professional Development

Discovery Education provides state-of-the art professional development that offers differentiated instructional approaches. With the next generation of DE *streaming*, we’ve got you and your staff covered.

• Interactive Training

These self-directed modules offer certificate and professional development credit options. A variety of lessons demonstrate best practices for integration of digital media in the classroom and the web-based, hands-on format supports individual pace and style of learning.

• Webinars

A webinar is an online seminar with interactive training elements. Collaborate in live, hour-long sessions with a DE streaming instructor using Webex™ and your phone line. Registration is fast and easy online at: www.DiscoveryEducation.com.

• Digital Connections

Expanding on the webinar format, you can arrange a half-day staff development session to include both live, online instruction with a hands-on workshop. Contact your Account Representative at 1-800-323-9084 today to schedule a session.

• Courses for Graduate Credit

Graduate courses focus on integrating digital media into the curriculum and are available to DE streaming users. Course credit can be transferred, applied to certificate programs, or used as the beginning of a masters program.



DISCOVERY EDUCATION *streaming*

GETTING STARTED

Accessing Discovery Education *streaming*

Existing Users

Enter your username and password in the “Subscriber Login” section on the left side of the screen and click “Login”.

New Users

1. Go to www.DiscoveryEducation.com
2. Enter your eight-character school passcode in the “Passcode/New User” section on the right side of the screen and click “Login”
 - A passcode allows new users to create and register a personal username and password for access to DE *streaming*.
 - You must obtain your school passcode to create an account. Thereafter, you no longer need the passcode.
 - If you do not have a passcode, please contact your DE *streaming* Account Representative, or call Discovery Education at 1-800-323-9084.
3. Once you enter the passcode, you will be prompted to create your account.
 - a. Fill in the required fields, which are indicated by an asterisk. You must also check the box to agree to the Terms of Use.
 - b. Your username must be a minimum of six characters long. Both the username and password may contain these characters only: letters, numbers, hyphen, and period.
 - c. Subscribe to the newsletter to receive monthly updates about featured videos, new tools, and integration ideas.
4. Your confirmation will be e-mailed to you.



GETTING STARTED

Search Tools

Robust search tools and dynamic browsing capability enable you to quickly locate a variety of media assets and refine your search results by subject, grade, media type, and more.

Keyword Search

Use the Keyword Search to conduct targeted searches for specific media types such as: video segments, images, articles and clip art. The search results will return video titles and descriptions that contain the keyword you entered. The power of Boolean Query allows you to include and exclude words or phrases—for example: revolution NOT industrial. If you use quotation marks to search for a phrase—for example, “magic school bus”—you will constrain your search to media that includes the entire phrase in the title or description.

Advanced Search

The Advanced Search keyword option supports more powerful searching capabilities that allow you to focus on a specific media publisher or limit your search to include only Editable, Closed Captioned, World Language or New Titles. You can also choose to exclude Classic titles from your search results.

More Options

When you click in the search field, you are given more options to refine your search. Quick access pull downs allow you to limit your search by service, content, or grade level. These additional filters are optional when performing a search.

Search Filters

After search results are displayed, you can narrow your results by using the search filters located in the left navigation. These filters include, subject, grade, media type, video detail, materials, media pack, service, and source. To remove a filter once selected, simply click Remove in the “You have selected:” box at the top of the column.

NARROW MY RESULTS

BY SUBJECT

- Social Studies (24159)
- Mathematics (9482)
- English/Language Arts (8342)
- Science (30396)
- Health (9923)
- Research/Study Skills (691)
- Teaching Practices (3845)
- Visual and Performing Arts (5210)
- Careers/Work Place Skills (2697)
- World Languages (4226)

BY GRADE

- K-2 (26213)
- 3-5 (36945)
- 6-8 (67817)
- 9-12 (59211)





DISCOVERY EDUCATION *streaming* GETTING STARTED

Exploring Your Search Results

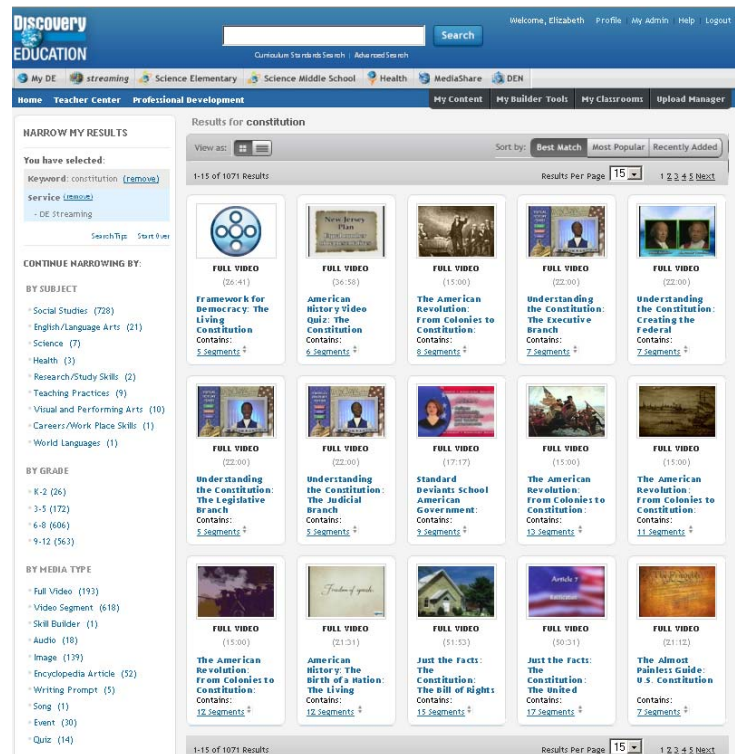
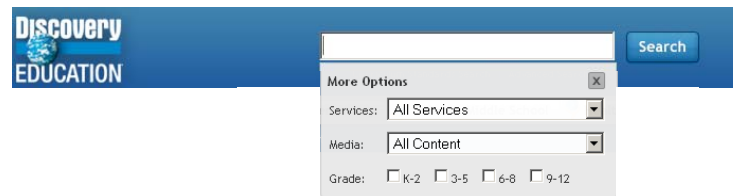
The search feature offers users powerful tools to look for videos, video segments, and additional resources that match search terms. You can narrow your keyword search by media type, service, and grade band.

A keyword search for All Content returns a listing of all media types in the main results area. You can now modify the number of resources displayed on the page by clicking on the dropdown menu to display 15, 20, 25, or 30 items per page. Each title appears in blue. Rolling over a title will reveal additional information such as description, copyright, grade band, and publisher. Also included in this section are links to view Curriculum Standards and to add to My Content.. Next to the grade band you will find indications if the video is Closed-Captioned (CC) and Editable (EDIT) titles. If the video is in a specific language it will most likely be apart of the Language media pack or the title will indicate it is a specific language version.

Click on either the video title or the thumbnail image to access the full video description page.

Links to different media types are displayed in the left side navigation bar. In this example, a keyword search for all content using the word "constitution" yielded 193 full videos and 618 video segments. The search also located 141 images, 52 encyclopedia articles, 14 quizzes, 30 events, 5 writing prompts, and a handful of other media types.

Results can be narrowed by selecting certain criteria from the left navigation. Filters include subject, grade, video detail, materials, media pack, service, and source.






DISCOVERY EDUCATION *streaming* GETTING STARTED


Exploring the Full Video Page

Playing & Downloading Videos

You can use the flexible features on the full video page to play and download videos, save them to a folder in My Content or share with a friend. Easy to use content tabs provide quick access to video segments, citation information, related materials, and other titles in the same series.

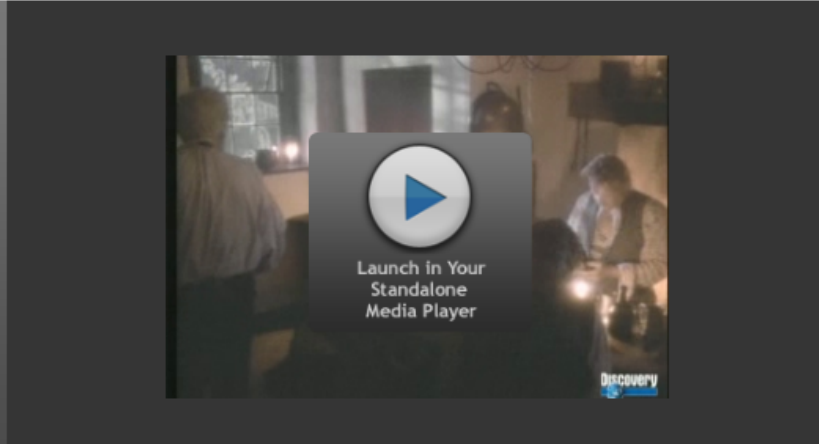
Videos can be streamed in Flash, QuickTime, or Windows Media, and downloaded in QuickTime or Windows Media. To stream a video, simply click on the title in the segments list and then click the play button in the player. To download a video right click on the blue Download icon . Then select "save link as" or "save target as" depending on your internet browser and save to your desired location.


Home > Search Results > Video


Rate it!  5 Ratings [Printer Friendly](#)


The American Constitution: The Road from Runnymede

Segments | Related Materials | Citations | More in this Series








Stream Type  ASF (1+ Mbps)

Download Type  ASF (256 Kbps)

Share 

16 SEGMENTS

-  The American Constitution: The Road from Runnymede [56:27]
-  Introduction [01:32]
-  April 19, 1775: The First Battle of the Revolutionary War [02:26]
-  The Story Behind the Declaration of Independence [02:10]
-  Runnymede, England, June 19, 1215: The Magna Carta [03:38]

Add selected items to: [ADD](#)

TITLE DESCRIPTION


This program, hosted by Christopher Reeve, guides students through 600 years of political struggle from Magna Carta in 1215 to the Philadelphia Convention in 1787. This program examines the English roots of our Constitution, highlighting the political turmoil of 17th century England and showing how such fundamental principles as "rule of law" and "limited government" emerged. Finally, we see how these principles were translated into American colonial government and sparked powerful clashes between the colonists and Great Britain, leading to the first attempt at national government, the Articles of Confederation. Compelling media support for American History, American Government, Citizenship/Civics, and World History units on the ideological origins of the American Revolution, the principles and philosophy represented in the Magna Carta, the English Bill of Rights, the Articles of Confederation and the Constitution, and the roles of individuals such as John Locke, George Mason, George Washington, and James Madison.

[EDIT](#)

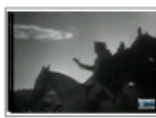
Grades: 6-8 | Copyright: 1992

MORE TO EXPLORE


1 - 3 of 10



FULL VIDEO
Understanding the Constitution: Creating the Federal Govern ...



VIDEO SEGMENT
The Second Continental Congress: Articles of Confederation: ...



VIDEO SEGMENT
The Magna Carta



DISCOVERY EDUCATION *streaming* GETTING STARTED

Exploring the Full Video Page – Features and Tools

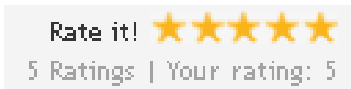
Print Video Information



Generate pages that include video information and are printer friendly by clicking on the link labeled “Printer Friendly.”

Rate the Video

Share your opinion of the video with the Discovery Education community. Choose your video rating from the “Rate” menu.



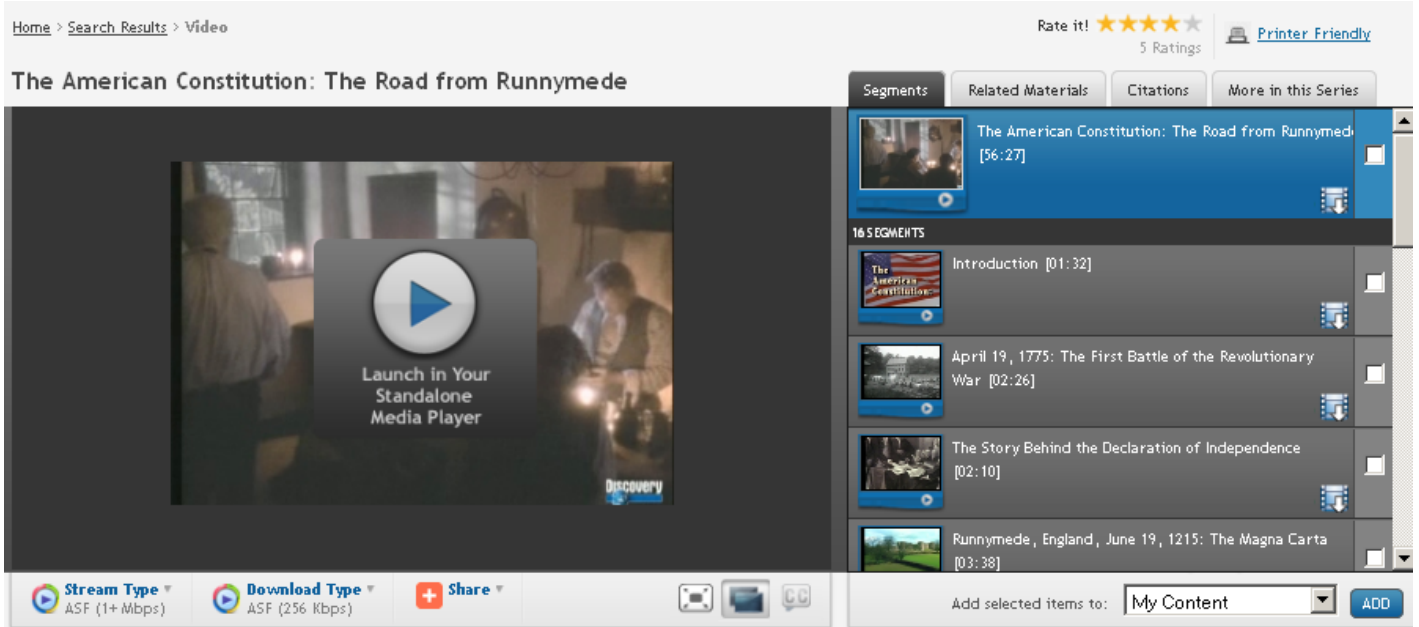
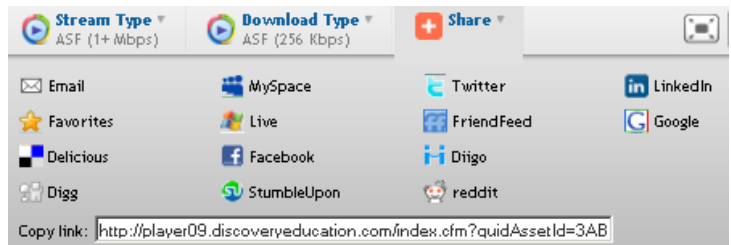
Add to

With the “Add to” feature, you can add selected video segments to folders in “My Content,” Classrooms/students, quizzes, assignments, or writing prompts.

1. Check the box next to the video segment you wish to add.
2. Scroll to the bottom of the screen and make your selection from the “Add selected items to” dropdown menu.
3. Click the “ADD” button.

Share

You can share page links with other DE *streaming* users by clicking on the Share link below the video. There are several ways to share videos – email, favorite links, or community sites like Facebook and Twitter.





DISCOVERY EDUCATION *streaming* GETTING STARTED

Playing Full Videos & Video Segments

Discovery Education *streaming* videos are divided into “chapters” or “segments” so educators can show the parts that best relate to their teaching objective or lesson. Click on the Video Segments tab to view a complete list of video segments.

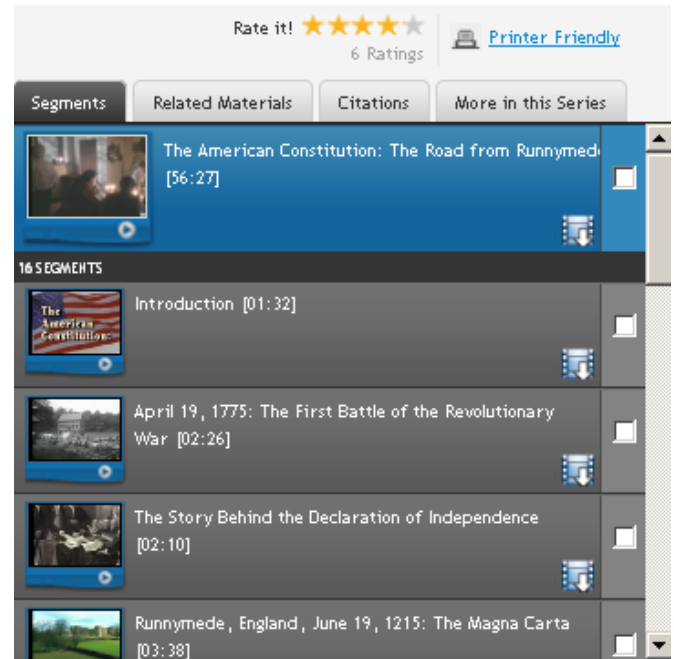
Play a Video

You can view a video segment “live” or stream it “real-time” by clicking on the Play button. The quality of the video streaming experience will depend on many factors including the speed of your Internet connection and the number of people at your school who are online at the time you choose to stream video content.

Step 1: Choose your Media Settings:

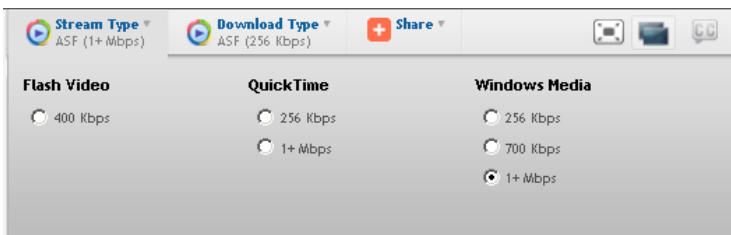
- Select Media Type for Streaming and Downloading:
 - Windows Media Player
 - QuickTime
 - Flash (Streaming only)
- Make your Player Selection:
 - Embedded in Web Browser (plays right on the page)
 - Stand-Alone Application (opens a new player window)

Step 2: Click the Play button next to the desired video segment to view the video.



TIP: Make sure you have the latest version of the free Windows MediaPlayer (PC) or the Apple QuickTime player (Mac) installed on your computer. You will find download links to these applications in the online help section of Discovery Education.

NOTE: Playing/streaming video is recommended for previewing, while downloading is recommended for classroom use. Downloading insures a smooth and uninterrupted playing experience that will not be diminished by bandwidth or connectivity issues. If your school uses Network Manager or Blocktime Editor, streaming and downloading may be available only during off-peak times. For more information about Network Manager or Blocktime Editor, contact your DE *streaming* Account Representative or call Discovery Education at 1-800-323-9084.





DISCOVERY EDUCATION *streaming* GETTING STARTED

Downloading Full Videos & Video Segments



Download a Video

When you download a video segment, you save a copy of the file on your computer or network for future access.

Instructions

Right Click on the Download icon next to the desired video segment and select "Save Target As" or "Save Link As" depending on your Internet Browser.

You can download files as Windows Media or QuickTime files by selecting the file type from the drop down below the video player

Home > Search Results > Video Rate it! ★★★★★
2 Ratings [Printer Friendly](#)

The Vanishing Frog with Jeff Corwin

Stream Type ▼
ASF (1+ Mbps)

Download Type ▼
ASF (256 Kbps)

Share ▼

Flash Video	QuickTime	Windows Media
<input type="radio"/> 400 Kbps	<input type="radio"/> 256 Kbps	<input type="radio"/> 256 Kbps
	<input type="radio"/> 1+ Mbps	<input type="radio"/> 700 Kbps
		<input checked="" type="radio"/> 1+ Mbps

Segments Citations

The Vanishing Frog with Jeff Corwin [54:46]

13 SEGMENTS

- Adaptable Amphibians [02:23]
- Sierra Nevada: Mountain Yellow-legged Frog [06:45]
- Fighting the Chytrid Fungus [05:00]
- Origins of Chytrid [03:33]

Add selected items to: My Content [ADD](#)

MORE TO EXPLORE 1 - 3 of 10

- VIDEO SEGMENT
- VIDEO SEGMENT
- VIDEO SEGMENT



GETTING STARTED

Citations

Citation information is provided for videos, video segments, images and articles. Click on the Citations tab to view MLA, APA and Chicago Manual of Style formats. Citations may be copied and pasted into projects that include Discovery Education *streaming* content.

Protecting Discovery Education *streaming* Content

All users are bound by current "Terms of Use" found in the footer at www.DiscoveryEducation.com. If you have additional questions regarding "Terms of Use," contact us at info@discoveryeducation.com. Please include your name, institution, position and specific question or issue.

The screenshot shows a web interface with three tabs: "Segments", "Related Materials", and "Citations". The "Citations" tab is active. Below the tabs, there are three citation examples:

Citation (MLA)
Enduring Influence: Rome, Greece, and Byzantium. Discovery Channel School. 2005.
Discovery Education. 8 July 2009
<<http://streaming.discoveryeducation.com/>>

Citation (APA)
>Enduring Influence: Rome, Greece, and Byzantium. Discovery Channel School.
(2005). Retrieved July 8, 2009, from
Discovery Education: <http://streaming.discoveryeducation.com/>

Citation (Chicago Manual of Style)
Discovery Channel School. "Enduring Influence: Rome, Greece, and Byzantium."
Discovery Education: <http://streaming.discoveryeducation.com/>



DISCOVERY EDUCATION *streaming* GETTING STARTED

Related Materials

Many Discovery Education *streaming* videos provide quick links to Curriculum Standards, Blackline Masters, and Teachers Guides. Click on the Related Materials tab to access Blackline Masters and Teacher's Guides. Curriculum Standards can be found below the video description.

Curriculum Standards

DE *streaming* videos are correlated to state standards nationwide. To view a list of standards for your state that relate to the video, click on the Curriculum Standards link.

Teacher's Guides

Teacher's Guides contain program objectives, discussion questions, and lesson plans that support DE *streaming* video content. Many of the Teacher's Guides also contain the full script of the video programs which may be helpful in the creation of additional student handouts. The PDF format makes it easy to download and print these materials.

Blackline Masters

Blackline Masters are supplementary materials such as worksheets, quizzes, word searches, crossword puzzles and other classroom tools that support DE *streaming* video content. The PDF format makes it easy to download and print these materials.

The screenshot shows a video player interface. The video title is "The American Revolution: From Colonies to Constitution: Shaping the New Nation". The video player has a "Play" button. Below the video player, there are options for "Stream Type" (ASF (1+ Mbps)) and "Download Type" (ASF (256 Kbps)). To the right of the video player, there are tabs for "Segments", "Related Materials", "Citations", and "More in this Series". The "Related Materials" tab is selected and circled in yellow. Below the tabs, there are links for "Blackline Masters" and "Teacher's Guide". Below the video player, there is a "TITLE DESCRIPTION" section. The description text is: "This program looks at some of inspirations for America's democracy and shows how they came to be embodied in the laws and government of the United States. Included are Judeo-Christian morality, the French Enlightenment, the English Parliamentary system, the Magna Carta, and the Mayflower Compact. The program examines the problems faced by the America's founders and examines some of the issues debated as the Constitution, the structure of the new government, and the Bill of Rights were hammered out." Below the description, there is a link for "Curriculum Standards" which is circled in yellow. To the right of the video player, there is a "MORE TO EXPLORE" section with three video thumbnails. The first thumbnail is "The American Revolution: From Colonies to" and is circled in yellow. The second thumbnail is "American History: Foundations of American Government" and the third is "The American Revolution: From Colonies to".



DISCOVERY EDUCATION *streaming*

MY CONTENT

My Content

This global feature allows you to collect, organize, share and retrieve your favorite Discovery Education *streaming* media resources, assignments, quizzes, writing prompts, and more in one convenient place. Located in the dark grey navigation bar at the top of the screen, “My Content” is accessible from anywhere on the site.

You now have the ability to add DE *streaming* content to folders you create in My Content, by using the “Add selected items to” drop down menu on any media resource page. You can create sub-folders within main folders to create hierarchies within content, grade levels or courses. You can also choose to share folder contents with your school and your district.

Adding resources to My Content does not initiate a playing or downloading procedure. The purpose of My Content is to bookmark the resource to avoid searching for it again. All files and projects are stored on the DE *streaming* servers.

My Content

View:
Trash Bin
Add Folder
Add Content

Results: 1 to 8 of 8
Items per page:
Page: 1

Type	Name	Created	Subject	Grade	Action
	Cells				Select
	Amazing Algae	07/07/2009	Science	K to 5	Select
	Cells	07/07/2009	Science	6 to 8	Select
	Elements of Biology: The Cell	07/07/2009	Science	9 to 12	Select
	Brink: Solar Energy, Stem Cells, and Miracle Fruit	07/07/2009		6 to 12	Select
	Science Investigations: Life Science: Investigating Cells and Genetics	07/07/2009	Science	6 to 8	Select
	The Lives of Cells	07/07/2009		3 to 5	Select
	Seasons in the Cell	07/07/2009	Science	6 to 8	Select
	Comparing Cells	07/07/2009	Science	K to 5	Select

Results: 1 to 8 of 8
Items per page:
Page: 1



DISCOVERY EDUCATION *streaming*

MY CONTENT

My Content

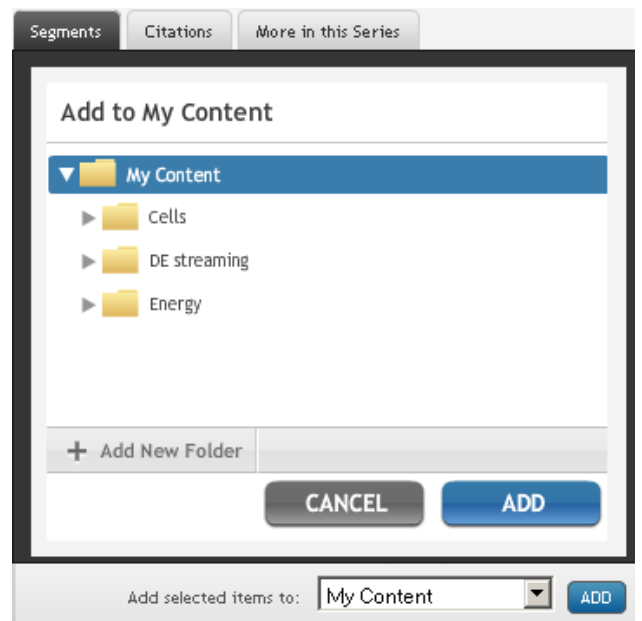
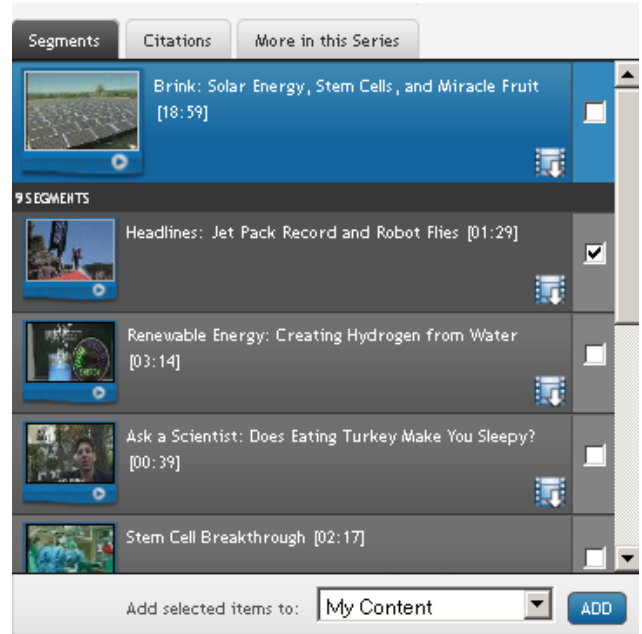
Add a Media Resource to My Content

1. Locate a resource that you wish to add to My Content.
2. Select "My Content" from the "Add selected items to" drop down menu and click "ADD."

NOTE: Make sure to allow pop-ups from DE *streaming* when adding material to My Content, or hold down the "Control" key when clicking the "ADD" button to temporarily allow the pop-up window to open.

3. A pop-up window will open. You may add the resource to the "My Content" default folder, select a folder or add it to a new folder.
4. If you select "Add to New Folder," follow the prompts and enter a folder name and folder location. My Content allows you to create folders within folders.
5. Click on "Add" and the window will display a confirmation message, telling you that your content has been added.
6. To access your content, click on the "My Content" link on the dark grey navigation bar at the top of the screen.

Put the flexibility of My Content to work for you. Once you have added media resources to My Content, you can use the pull down menu to copy, move, edit, preview and delete them at any time. You can also sort your resources by type, name, creation date, subject, or grade by clicking on the column header.





ASSIGNMENT BUILDER

Assignment Builder

The Assignment Builder is a versatile resource that helps you build online activities and web-based projects that are stored on the Discovery Education *streaming* servers. You can use this tool to create student assignments that integrate a variety of digital media types.



Welcome to the Assignment Builder - a tool to help you create Assignments for your students. Your Assignments will be saved in your personalized My Content area. To get started, create a new Assignment or browse the sample Assignments.

The screenshot shows the Assignment Builder interface. At the top left is a 'Create an Assignment' section with a 'Create New' button. Below it is a 'Search Assignment Library' section with input fields for 'Keyword', 'Subject', and 'Grade', and radio buttons for 'Display' options: 'My Assignments', 'School Assignments', 'District Assignments', and 'DE Assignments'. On the right side, there are two boxes: 'My Assignments' with a 'View' button and 'User's Guide' with a 'View' button.

Creating a New Assignment

Access the Assignment Builder from anywhere on the site by clicking on My Builder Tools in the navigation bar at the top of the screen. To get started, click on "Create New" from the Assignment Builder home page and follow these easy steps:

Step 1 of 5



Step 1: General Information

Start by providing information about your assignment in the form provided. The assignment name, author, school, subject area, and grade level are required fields. You can also create assignment instructions, learning objectives and teacher notes.

You can save your assignment by clicking on the "Save/Continue" button at the bottom of the screen.

Step 2: Add Materials

You can add media to your assignment, such as video segments, animations or audio files. You can also add an activity such as a Quiz or Writing Prompt or add links to websites.

Step 3: Material Instructions

Once you have selected media, activities and websites for your assignment, you can write step-by-step instructions that your students will see as they work with each material type.

Step 4: Preview

The Preview feature allows you to see what your assignment looks like in its final form. If you wish to make changes simply click on any of the steps in the process chain.

Step 5: Assign

Once the assignment builder is complete, you can assign by class or student or multiple classes and students. Select a start date and end date for the writing prompt and check the box to select an already existing class or create a new one. Then click Assign. Students will access the writing prompt through the Student Center:

<http://students09.discoveryeducation.com/>.

Another other option is to Assign by code or URL. You can provide students with the Assignment code for them to input on the assignment page, or give students the URL with the assignment code in the address so they can enter the page directly.



DISCOVERY EDUCATION *streaming* QUIZ BUILDER

Quiz Builder

The Quiz Builder tool allows you to create online assessments that you can use to test student comprehension or survey prior knowledge. You can search over 2,000 pre-made quizzes in the Quiz Library, choose individual questions from the Quiz Builder databank or write your own questions.

Creating a New Quiz

Access the Quiz Builder from anywhere on the site by clicking on My Builder Tools in the dark grey navigation bar at the top of the screen. To get started, click on "Create New" from the Quiz Builder home page and follow these easy steps:



Step 1: General Information

Start by providing information about your quiz in the form provided. The quiz name, author, school, subject area, and grade level are required fields. You can also create quiz instructions, learning objectives and teacher notes.

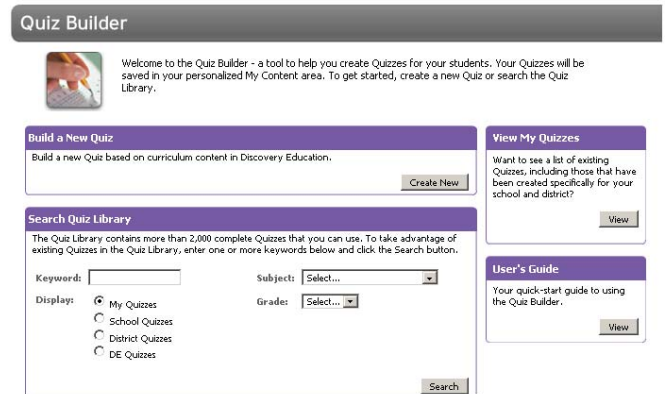
You can save your quiz by selecting an existing folder within My Content, or in a newly created folder. Once all required fields are completed, click "Save/Continue" at the bottom of the page.

Step 2: Add Materials

You can use the Keyword Search to locate material for the subject of your quiz and narrow your search by media types, services, subject and grade within the DE Library or your own Content.

Step 3: Add Questions

The Question Databank contains thousands of questions you can add to your quiz, or you can write your own multiple choice, short answer, or true/false questions.



Step 4: Preview

The Preview feature allows you to see what your quiz looks like in its final form. If you wish to make changes simply click on any of the steps in the process chain.

Step 5: Assign

Once the quiz is complete, you can assign by class or student or multiple classes and students. Select a start date and end date for the writing prompt and check the box to select an already existing class or create a new one. Then click Assign. Students will access the quiz through the Student Center:

<http://students09.discoveryeducation.com/>.

The other option is to Assign by code or URL. You can provide students with the Assignment code for them to input on the assignment page, or give students the URL with the assignment code in the address so they can enter the page directly.



WRITING PROMPT BUILDER

Writing Prompt Builder

Stimulate the writing process in your classroom with thousands of images that are ready-made for declarative, persuasive, narrative, and expository writing exercises. You can search the Writing Prompt Library for images accompanied by suggested text or create your own writing prompts with the help of the Writing Prompt Builder.

Creating a New Writing Prompt

Access the Writing Prompt Builder from anywhere on the site by clicking on My Builder Tools in the dark grey navigation bar at the top of the screen. To get started, click on "Create New" from the Writing Prompt Builder home page and follow these easy steps:

Step 1 of 5



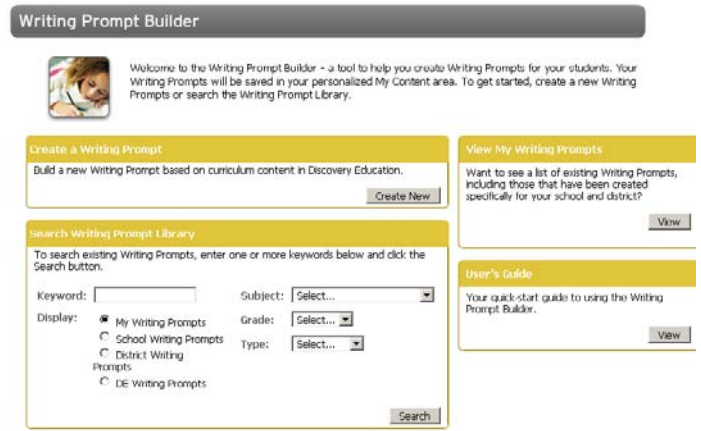
Step 1: General Information

Start by providing information about your writing prompt in the form provided. The writing prompt title, author and school fields are required. You can also select a subject area, grade level(s) and choose from four different types of writing exercises: declarative, persuasive, narrative, or expository.

You can save your quiz by selecting an existing folder within My Content, or in a newly created folder. Once all required fields are completed, click "Save/Continue" at the bottom of the page.

Step 2: Select Media

You can search from thousands of high quality, photographic Images, clip art, encyclopedia articles, explorations, videos, reading passages, and virtual labs by typing a word or phrase in the Keyword Search or by selecting a subject from the drop down menu. Preview content by clicking on the thumbnail or the title. When you find content that you like, check the box "Add to my Writing Prompt" and then click "Add" at the bottom or top of the page. Next, select border and then click the "Continue" button.



Step 3: Customize Text

Writing Prompt Builder allows you to select the font type, style, size and color for the title and the caption. You can preview your selections by clicking the "Preview" button. Once you've formatted your title and caption, click the "Continue" button.

Step 4: Preview

The Preview feature allows you to see what your writing prompt looks like in its final form. If you wish to make changes simply click on any of the steps in the process chain.

Step 5: Assign

Once the writing prompt is complete, you can assign by class or student or multiple classes and students. Select a start date and end date for the writing prompt and check the box to select an already existing class or create a new one. Then click Assign. Students will access the writing prompt through the Student Center:

<http://students09.discoveryeducation.com/>.

The other option is to Assign by code or URL. You can provide students with the Assignment code for them to input on the assignment page, or give students the URL with the assignment code in the address so they can enter the page directly.



DISCOVERY EDUCATION *streaming* TEACHER CENTER

Teacher Center

Located in the blue bar at the top of the page, the Teacher Center provides you with quality curriculum resources and access to additional educational information.

Teacher Center

Make the most of Discovery Education content with these tools and resources.

[streaming](#)

[Science Elementary](#)

[Science Middle School](#)

[Health](#)

CURRICULUM RESOURCES



Calendar

Help students connect the past and present with videos tied to historical events.

[Go To](#)



Lesson Plan Library

Tap into more than 200 lesson plans designed for Discovery Education *streaming* videos.

[Go To](#)



Thematic Focus

Browse weekly teaching topics that include video segments, lesson plans, and student activities.

[Go To](#)



Discovery Education Atlas

Inspired by Discovery Channel's landmark Atlas series, Discovery Education *streaming* gives you a unique video guide to our world.

[Go To](#)

TEACHER COMMUNITY



Discovery Educator Network

Explore resources and community tools for educators - including exclusive content for members.

[Go To](#)



Discovery Education *streaming* Newsletter

Each month, learn about Discovery Education *streaming* events and activities.

[View Newsletter](#)

[Sign Up Now](#)



DISCOVERY EDUCATION *streaming* TEACHER CENTER

Calendar

Make history come alive every day by showing video content to your students that presents events that occurred on a particular calendar day, week or month in history.

Access the Calendar from anywhere on the site by clicking on the Teacher Center link in the navigation bar at the top of the screen. The Calendar tool is a great way to locate videos that are associated with important events in history, prominent people, commemorative events and cultural celebrations.

Calendar events are categorized by subject area including: Science, Mathematics, Social Studies, Arts & Humanities, Language Arts, Biography and Health & Guidance. You can customize your display by viewing all events for a specific day or choose to view events for an entire week or month, by subject. Click on an event title to view a full event description and a list of resources which may include full videos, video segments, articles and images.

Calendar

Make history come alive everyday by showing your students video content that presents events that happened on a particular calendar day, week or month.

Month

SUN	MON	TUE	WED	THU	FRI	SAT
28	29	30	1 ★	2	3	4 ★
5	6	7	8	9	10	11
12	13	14 ★	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

View Events By: Day Week Month

★ Indicates that Commemorative Event Resources are available.



Art & Humanities

1900: Jean Sibelius's *Finlandia* premieres in Helsinki

When composer Jean Sibelius's fiercely patriotic work, *Finlandia*, was first performed by a symphony orchestra in Helsinki, Finland, it immediately became the battle cry of the Finnish independence movement, committed...



Biography

1908: Thurgood Marshall, first black Supreme Court Justice

As a lawyer, Thurgood Marshall gained national prominence arguing more than thirty racial segregation cases before the U.S. Supreme Court, most notably *Brown v. Board of Education*. President Lyndon B. Johnson appointed him to the Supreme Court in 1964 making...



Health & Guidance

1850: First patent for a self-contained gas mask issued

Benjamin Lane of Cambridge, Massachusetts received the first U.S. patent for a self-contained class of breathing apparatus. Lane's gas mask carried its own supply of fresh air, rather than filtering the surrounding...



Language Arts

1877: Birthdate of Hermann Hesse, German novelist

German-Swiss novelist and poet Hermann Hesse received the Nobel prize for literature in 1923. His novels, including *Siddhartha* and *Steppenwolf*,...



DISCOVERY EDUCATION *streaming* TEACHER CENTER

Lesson Plan Library

The Lesson Plan Library contains more than 200 lessons designed for use with Discovery Education *streaming* videos.

Access the Lesson Plan Library from anywhere on the site by clicking on the Teacher Center link in the blue navigation bar at the top of the screen. Click on a subject area to view lesson plans that contain descriptions and indications regarding the recommended grade ranges.

Lesson plans can be viewed or saved in PDF or Microsoft Word format. To save a lesson plan, click on the appropriate format and select "Save." Navigate to the desired location. You can change the name of the lesson, but keep the ".pdf" or ".doc" file extension. You can also add a lesson plan to My Content by clicking the My Content link and then selecting a folder.

Lesson Plan Library

Select from a listing of all past Lesson Plans, organized by subject area.



Careers/Work Place Skills



English/Language Arts



Health



Mathematics



Research/Study Skills



Science



Social Studies



Teaching Practices



Visual and Performing Arts



World Languages



ISTE Lesson Plans



DISCOVERY EDUCATION *streaming* TEACHER CENTER

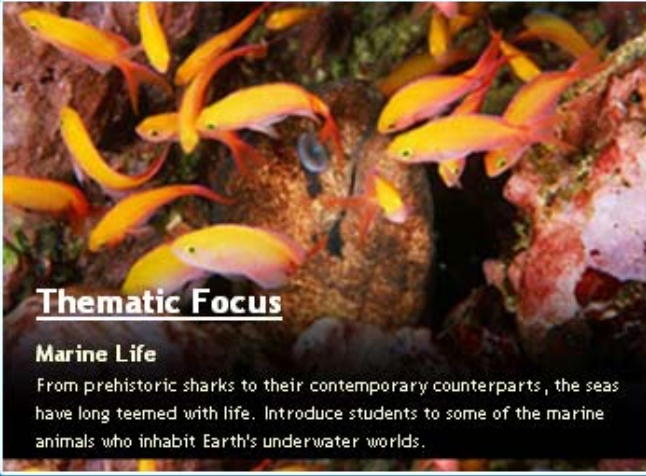
Thematic Focus

Each Thematic Focus provides links to lessons and materials organized around a central theme or topic. New themes are added weekly and many focus on seasonal or timely events.

Access Thematic Focus from anywhere on the site by clicking on Teacher Center in the blue navigation bar at the top of the screen. Next, click on Thematic Focus. In each Thematic Focus, you will find a wealth of topic-specific information including:

Click the "Thematic Focus Archive" link to view a complete list of thematic units organized by subject.

- **Resources**
A discussion guide and lesson plans organized by grade levels
- **Media**
A list of downloadable video segments
- **Activities**
Problems, puzzles and worksheets



Thematic Focus
Marine Life
From prehistoric sharks to their contemporary counterparts, the seas have long teemed with life. Introduce students to some of the marine animals who inhabit Earth's underwater worlds.

Resources Media Activities

Discussion Guide
Tour the ocean's depths for a look at the diverse creatures who live beneath the surface and the lengths humans have gone to in order to study them.
[Download Discussion Guide \(pdf format\)](#)

Lesson Plan: Grade 3-5
Investigate how porpoises, dolphins, and other sea mammals maintain their body temperatures in cold waters.
[Download Discussion Guide \(pdf format\)](#)

Lesson Plan: Grade 5-9
Examine how environmental changes affect whale behavior; then challenge students to trace the migration routes of several types of whales.
[Download Discussion Guide \(pdf format\)](#)

Lesson Plan: Grade 9-12
Marine animals include fish, mammals, and invertebrates. Can you students distinguish among them?
[Download Discussion Guide \(pdf format\)](#)



For a complete list of topics view the **Thematic Focus Archive**.



DISCOVERY EDUCATION *streaming*

Discovery Educator Network

Discovery Educator Network

The Discovery Educator Network is a global community of educators who are excited by the power of digital media and want to collaborate and share resources with other teachers.

Discovery Education invites dynamic teachers incorporating digital media in their classroom curriculum to join the Discovery Educator Network. Educators selected will benefit through access to a wide range of resources, professional development activities, networking opportunities and exclusive Discovery Educator events. Committed to sharing ideas and resources with educators in their local community, Discovery Educators will be supported in providing local demonstrations and presentations at both the state and national levels.

- Participate in an active online forum and ideas exchange at www.discoveryeducatornetwork.com
- Connect with people who have similar educational technology interests.
- Download resources and professional development support materials.
- Use the power of Discovery Education to make your creative classroom ideas a reality.
- Participate in exclusive Discovery Education events and sweepstakes
- Serve as beta testers for future Discovery Education products and sites.

The screenshot shows the Discovery Educator Network website interface. At the top, there is a navigation bar with links: Home, Educator Resources, Blogs, Forums, Event Gallery, and About the DEN. The main content area is divided into several sections:

- User login:** A form with fields for "Enter your username:" and "Enter your password:", a "GO" button, and links for "Forgot your password?" and "New User Registration".
- Maintain your STAR status:** A graphic featuring a checklist with the text "CHECK LIST Report DEN Events!!".
- Become a STAR Discovery Educator!:** A graphic featuring a blue star.
- News and Updates:** A section titled "DEN at NECC 2009" with a sub-header "DEN at NECC 2009" and a paragraph of text. Below it is a "More Updates" section with a list of links: "Siemens We Can Change the World National Winners Announced!", "Spring Virtual Conference 2009!", "Discovery Student Adventures", "DEN National Institute Location TBD", and "FETC Bound?".
- Summer School Webinars:** A section titled "Summer School Webinars" with a sub-header "Digital Storytelling Week" and a list of links: "Thinking Outside the Slide", "Digital Storytelling Made Easy with Discovery Education Content, Animoto and PhotoStory", "Director's Cut - Discovery Education Media and MovieMaker", and "Discovery Education Media and iMovie". Below this are "Leadership Week", "Science Week", and "Web 2.0 Week".
- Recent Forum Topics:** A section with a list of four forum topics, each with a small globe icon and the text "historical content-who supervises this?".
- New Educator Resources:** A section with a list of four resources, each with a small globe icon: "River Valley Civilizations", "A Tour of the Cell", "edtechjamesmulanax2", "Primary Resources", and "Introduction to Videoconferencing".



DISCOVERY EDUCATION *streaming*

PROFESSIONAL DEVELOPMENT

Professional Development

Discovery Education offers a host of staff development options designed to help you make the most effective use of Discovery Education *streaming* digital resources. Among the options are self-paced tutorials, online sessions, and professional development materials.

Professional Development

Make the most of Discovery Education content with these tools and resources.

[streaming](#)

[Science Elementary](#)

[Science Middle School](#)

[Health](#)

DE *streaming* in Action



Teaching Tips

Preview quick technology tips - from hyperlinking to movie making - that will jumpstart your lessons.

[Go To](#)



Trainer's Toolkit

Use these tools to enhance your Discovery Education *streaming* staff development workshops.

[Go To](#)



Discovery Educator Network

Explore resources and community tools for educators - including exclusive content for members.

[Go To](#)



Tech Talk

Use these resources from the Implementation and Support Team to help successfully launch and maintain Discovery Education *streaming*.

[Go To](#)

Digital Media Integration



Best Practices

View Short video segments that profile science teachers and gain exciting strategies for inquiry-based instruction.

[Go To](#)



Interactive Training

Learn to use Discovery Education Science with these self-paced, easy-to-use lessons.

[Go To](#)



Project Demonstrations

Get inspired with these exemplar lesson plans, projects, and tutorials that show you how to integrate Discovery Education *streaming* content with popular software applications.

[Go To](#)



Courses for Credit

View a list of online courses and programs for CEU and graduate credit focused on helping educators teach with Discovery Education *streaming*.

[Go To](#)

WHAT'S NEW

WEBINARS

Jul 14, 2009

[Discovery Education streaming Back to School Preview](#)

Jul 21, 2009

[Discovery Education streaming Back to School Preview](#)

Aug 3, 2009

[Digital Storytelling Week: Thinking Outside the Slide](#)

Aug 4, 2009

[Digital Storytelling Week: Digital Storytelling Made Easy with Discovery Education Content, Animoto and PhotoStory](#)

Aug 5, 2009

[Digital Storytelling Week: Director's Cut - Discovery Education Media and MovieMaker](#)

Aug 6, 2009

[Digital Storytelling Week: Discovery Education Media and iMovie](#)

Aug 10, 2009

[Leadership Week: The Information Society is HERE: Are our schools up to the task?](#)

Aug 11, 2009

[Leadership Week: Policies, Safety and Social Networking](#)



DISCOVERY EDUCATION *streaming*

PROFESSIONAL DEVELOPMENT

Professional Development

Teaching Tips

Preview quick, 30-second technology tips—from editing DE *streaming* videos to creating hyperlinks—and learn how to infuse your lessons with technology.

Trainer's Toolkit

Use the resources and materials in the Trainer's Toolkit to enhance your DE *streaming* staff development workshops. Download digital versions of the User Guide, the QuickStart Guide and other support documents.

Discovery Educator Network

Learn how to become a member of a dynamic community of teachers—the Discovery Educator Network—and have access to a library of Educator Resources, discussions boards, and a variety of training materials. Members also have the opportunity to attend regional and national events sponsored by Discovery Education and the Discovery Educator Network.

www.discoveryeducatornetwork.com

Tech Talk

Visit Tech Talk to locate resources from the DE *streaming* Support Team. You will find materials to help you successfully launch DE *streaming* at your school or district and documents that address technical and network issues.

Best Practices

View short, 30-second video segments that address timely educational themes and gain exciting strategies for differentiating instruction, integrating technology in the classroom, and communicating with parents. Learn more and watch the video in its entirety by clicking on the link that will take you to the full video.

Project Demonstrations

Project Demonstrations provide exemplary lesson plans, multimedia projects, and tutorials that support the successful integration of DE *streaming* content with popular software applications. Leverage the software in your classroom and learn how to edit DE *streaming* video, embed and hyperlink video and images in graphic organizing software or present DE *streaming* content using interactive whiteboards.

Webinars

A webinar is an online seminar with interactive training elements. Collaborate in live, hour-long sessions with a Discovery Education instructor using WebEx and your phone. Register for a variety of topics and times each week—all free with your DE *streaming* license. Topics range from integrating video and images in PowerPoint to using DE *streaming* content to create WebQuests and digital stories.

Interactive Training

You can learn online at your own pace with this engaging series of lessons. Begin with Lesson 1 and learn how to search, play and download DE *streaming* video segments. Additional lessons demonstrate digital media integration, differentiated instruction techniques, and professional development training strategies.



DISCOVERY EDUCATION *streaming* PROFESSIONAL DEVELOPMENT & ...

Creating a Hyperlink to a Video Segment

What is a hyperlink?

A hyperlink is a text or graphic element that points to a specified web page or opens a digital file that has been saved on a local computer or network server. After you have downloaded and saved Discovery Education *streaming* video segments, you can create hyperlinks using text and images. Users simply click the text or image hyperlink to open and play a video segment. Hyperlinking is a simple way for teachers and students to play video files within a separate media player window that provides access to player controls such as volume, play, pause, and stop.

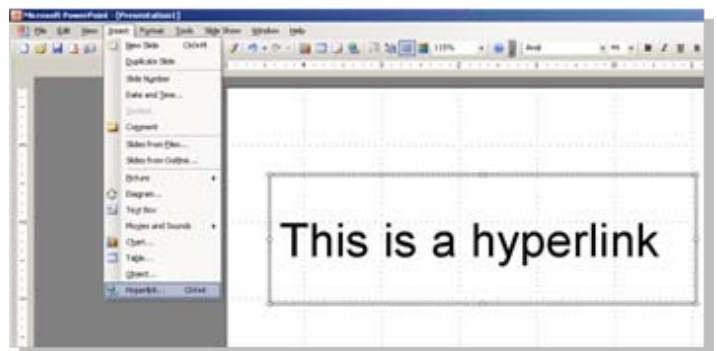
Create a Hyperlink to a Video

The procedure involved in creating hyperlinks will vary with certain software applications. The following steps apply to documents created in Microsoft Word and PowerPoint:

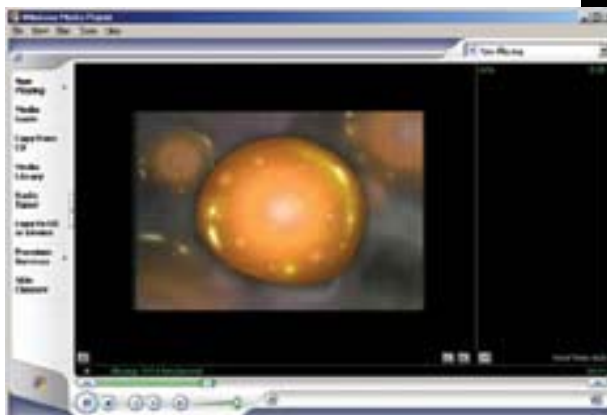
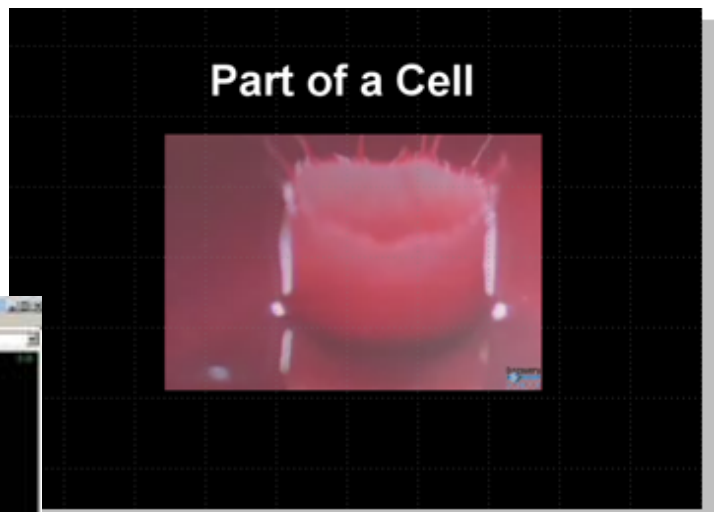
1. Download a video segment to a designated folder.
2. Save your new or revised Word or PowerPoint document in the same folder.
3. Highlight the text or select the image on the page that you wish to use for the hyperlink.
4. Go to "Insert" > "Hyperlink."
5. Click to select the video file that you wish to link to the text or image in your document.

NOTE: With some software versions, you may have to "Browse for File" and navigate to your saved file.

6. Click "OK" when finished.



To test your hyperlink, move your cursor over the link. It should change from an arrow to a pointing finger. In PowerPoint, you will need to be in the "Slide Show" view to test your link.





DISCOVERY EDUCATION *streaming* PROFESSIONAL DEVELOPMENT & ...

Embedding a Video Segment

What is embedding?

When you embed a downloaded file, you insert it right into your document much as you would a picture or clip art file. Embedding makes use of the multimedia capabilities in software such as PowerPoint, AppleWorks, and Keynote and allows teachers to create presentations that do not rely on separate media players. Embedding is an effective way to add video content to existing presentations, create interactive learning projects with menus and text prompts, or develop slide shows in which video files play automatically.

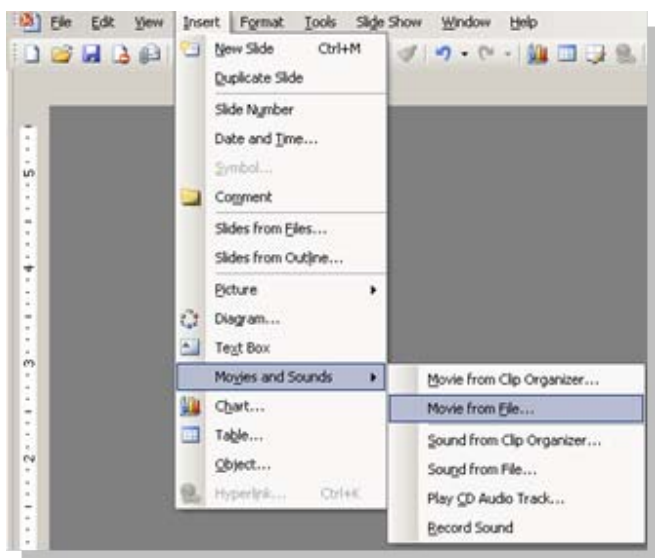
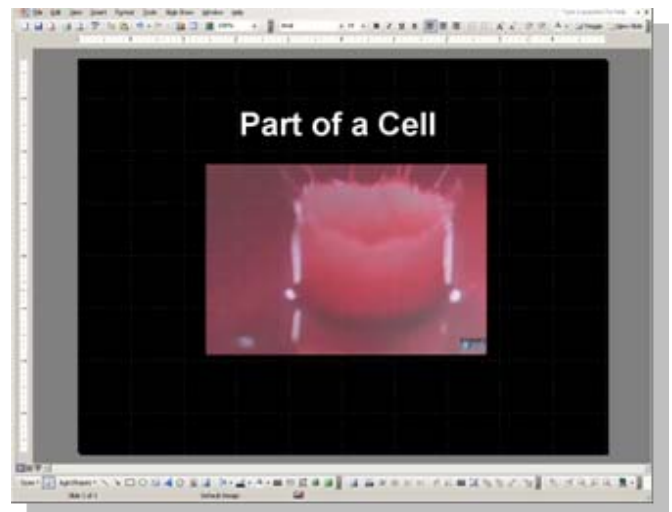
Embed a Video in PowerPoint

The procedure involved in embedding video files will vary with certain software applications. The following steps apply to documents created in *Microsoft PowerPoint*.

1. Download a video segment to a designated folder.
2. Save your new or revised PowerPoint document in the same folder.
3. Go to "Insert" > "Movies and Sounds" > "Movie from File."
4. Click to select the video file that you wish to insert in your document.

Note : With some software versions, you may have to "Browse for File" and navigate to your saved file.

5. Select the automatic play option or choose to start the video with a mouse click.



TIP: PC users will need to download Windows Media (.asf) files and Macintosh users will need to download QuickTime (.mov) files.

TIP: Keep the folder and file names brief. If the full path to a media file exceeds 128 characters, the file will not load and the viewer will see a blank white space where the embedded video file was intended.

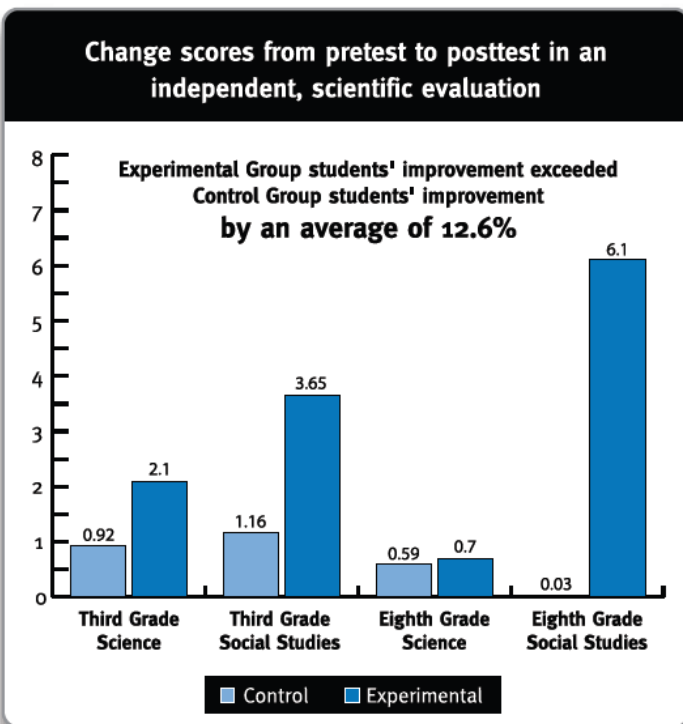


DISCOVERY EDUCATION *streaming* PROFESSIONAL DEVELOPMENT & ...

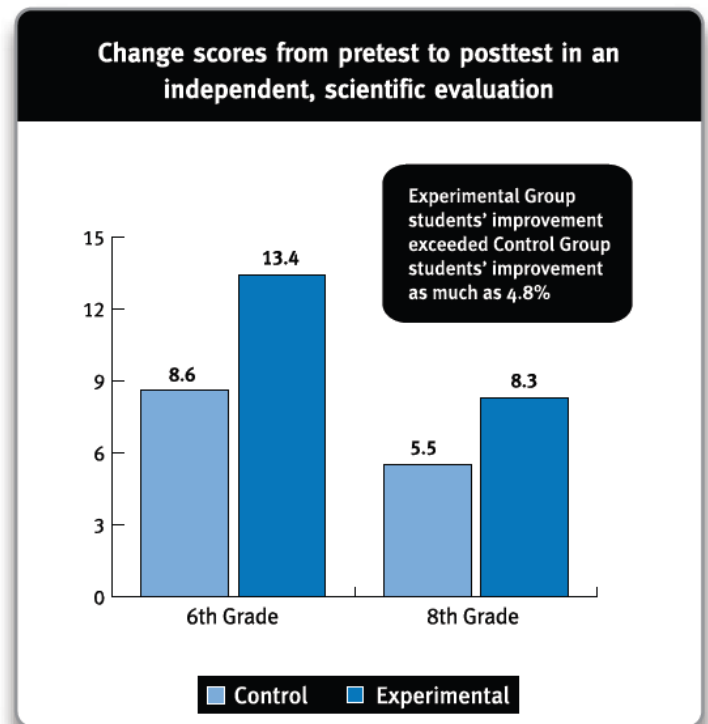
A Report on the Effect of Discovery Education *streaming*

Through rigorous, independent scientific evaluation, Discovery Education *streaming* is the only educational digital video-based learning resource that has been shown to increase student achievement. Two random-assignment, control group studies—conducted in rural Virginia in 2002 and urban Los Angeles, California in 2004—showed significant improvement in Social Studies, Science, and Math performance for students exposed to video content from DE *streaming* over those students not exposed to the content.

These evaluations have caught the attention of policymakers across the nation. Discovery Education executives have been invited to present the results to the United States House of Representatives' Committee on Education and the Workforce, at United States Department of Education Technology Summits, and at various state and national education technology conferences around the country.



- 12.6% average increase in achievement in Social Studies and Science scores over control group



- 3-5% average increase in achievement in Mathematics scores over control group



DISCOVERY EDUCATION *streaming* SUPPORT

Storage and Technology Information

Discovery Education is eager to help you make this valuable resource successful in your schools. Consider the following as you introduce Discovery Education *streaming* in your school.

Storage Considerations

It is recommended that users play/stream videos to preview content and save/download videos to use in the classroom. Downloading insures a smooth and uninterrupted playing experience that will not be diminished by bandwidth or connectivity issues. It is a good idea to determine in advance the best place for DE *streaming* users to save their downloaded video segments.

Video files are formatted to 256 k to ensure quality video while maintaining small files sizes and download efficiency. One minute of video requires 1.8 mb of storage space on digital media. This means that just one minute of video would contain too much data for a floppy disk.

Storage Suggestions

- **Desktop Storage**
Create a folder on your desktop to house downloaded segments.
- **Public Shared Folder(s)**
Eliminate duplicate video segments by downloading files to a shared location such as a local network server. Multiple teachers may access downloaded clips at one time. Technology Coordinators might choose to set up a folder structure when video segments are to be stored at a shared location so that users can save files according to subject areas or grade level.

DE *streaming* Services

- **Network Manager**
Schedules downloads at off-peak times.
- **Blocktime Editor**
Schedules times to restrict streaming and downloading.
- **Local Hosting**
Content shipped via firewire hard-drive; hosted on your server.
- **Upload Manager**
Upload your school's content to DE *streaming* for your users only.

DE *streaming* & Third Party Software

You must have the latest versions of these programs to effectively use DE *streaming*:

- *Windows Media Player or QuickTime*
- *Macromedia Flash Plug-In*
- *Adobe Reader*

Please visit the Help section of DE *streaming* to download the latest versions of these programs.

Displaying DE *streaming* Content

The following methods are recommended for presenting DE *streaming* content in the classroom:

- Use a Scan Converter connector to a large screen television to change computer-video signals to NTSC or PAL format. *Extron* and *Averkeys* are two popular brands.
- Connect an LCD projector to a classroom computer to create a presentation station.
- Download video segments, images, clip art, and animations to create activities for students to complete at computer stations or learning centers.

Other Important Technology Considerations

- When playing or streaming a video online, one video can be simultaneously accessed by many end-users..
- If you are on a T-1 connection, six people (at 256k) can stream simultaneously with no buffering, assuming there is no other internet traffic on the network.
- Screen resolution should be set to a minimum of 800 x 600 DPI; recommended resolution is 1024 x 768 DPI.



GLOSSARY OF TERMS

Bandwidth

The amount of information or data (text, images, video, sound) that can be sent over a communication channel, such as a network, in a given period of time. The higher the bandwidth, the more information the channel can carry. It is similar to roadways—a four-lane highway can carry more traffic than a two-lane highway.

Blackline Masters

Supplementary materials in the form of worksheets and other tools associated with DE *streaming* video programs. They are in PDF format so that they can be easily downloaded and printed to hand out to students. You will need Adobe Acrobat Reader installed on your computer to be able to open these files.

Buffer

A temporary storage location for data information being sent or received. It compensates for differences between two different devices in ability or speed in data handling. The buffer functions like a reservoir, capturing the data and then letting it out at speeds the lower-capacity device can accommodate. The verb buffer refers to the act of collecting and storing the data until it can be used.

Download

To transfer or save a file from a computer or server to your own computer via the Internet. Things you might download include video and image files. After an image or video is downloaded, you may view the file on your own computer without being connected to the Internet.

Embedded Video

When you embed a downloaded file, you insert it right into your document. Embedding makes use of the multimedia capabilities in software such as PowerPoint, AppleWorks, and Keynote and allows teachers to create presentations that do not rely on separate media players. Embedding is an effective way to add video content to existing presentations, create interactive learning projects with menus and text prompts, or develop slide shows in which video files play automatically.

Hyperlink

A hyperlink is a text or graphic element that points to a specified web page or opens a digital file that has been saved on a local computer or network server. After you have downloaded and saved DE *streaming* video segments, you can create hyperlinks using text and images. Users simply click the text or image hyperlink to open and play a video segment. Hyperlinking is a simple way for teachers and students to play video files within a separate media player window that provides access to player controls such as volume, play, pause, and stop.

PDF file

Portable Document Format. This format was developed by Adobe to allow files to retain their original formatting regardless of whether the end user has the program with which the file was created. The documents will have the extension “PDF.” You must have Adobe Acrobat Reader (a free download from the Adobe website) installed on your computer to be able to open the files.

Stream

Any data transmission that occurs in a continuous flow. Streaming audio and video files allow you to display or play the beginning before all the data has been transferred. A DE *streaming* video file can be streamed and played in Windows Media Player (PC) or QuickTime player (Mac). You can begin viewing the file with little delay as opposed to waiting for the entire file to download.

Teacher’s Guide

A supplementary guide is available for most DE *streaming* video programs. Teacher’s Guides contain program objectives, discussion questions, and lesson plans that support DE *streaming* video content. The PDF format ensures easy downloading.

Webinar

An online seminar with interactive training elements. Discovery Education offers hour-long sessions using the platform WebEx and a phone. A variety of topics and times are available each week—all free with your DE *streaming* license.

Modification & Distribution Rights

As a DE *streaming* subscriber, you have Discovery Education’s permission to modify and distribute this manual. Kindly include reference and citation information when you modify the contents. You do not have permission to profit from the redistribution of this manual or any other materials from Discovery Education.