

Google for Teachers...

Books, Docs, Maps, and more.

A Free Guide from Free Technology for Teachers.

Richard Byrne

Freetech4teachers.com

Search Tools

An overview of Google's lesser-known search tools. Google Books, Google Scholar, Google News.
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Google Books

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About this Guide

Google offers dozens of free resources that teachers and students can use to improve their learning experiences. This guide is intended for teachers who would like to know more about Google Search, Google Docs, and Google Maps.

This guide begins with an overview of advanced Google Search tools that can improve Internet search experiences.



So you know about Google, but do you know how to post a quiz online, create map placemarks containing videos, or how to find free full-length books?

This guide presents uses for Google Books, Google Docs Forms and Spreadsheets, and Google Maps.

Step by step directions are provided for embedding Google Books, creating and embedding quizzes made with Google Docs Forms, customizing and embedding Google News widgets, and creating placemarks in Google Maps.

Google Search Tools

Google is best known as an Internet search engine. Here are some tools to help students improve their Internet search experiences.

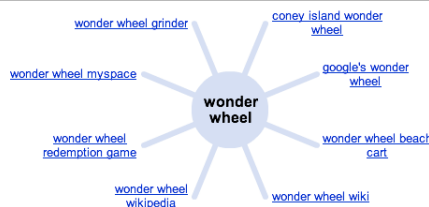


Related Search

Related search is probably the most obvious search altering option offered by Google, but because the related search terms are usually buried at the bottom of the page, students often don't click on the options.

A lot of students when given an open-ended research assignment struggle to pick the right terms to enter into a search. Often once they've entered a set of terms, they're unhappy with the results. Direct them to try the related search terms that are automatically generated by Google.

A small tweak in the choice of search terms, particularly a tweet of operator words, can yield significantly different results. Each time students tweaks their search terms, new related search terms appear.



Wonder Wheel

Wonder Wheel is not as easy to find as the “related search” option on Google. To locate Wonder Wheel, click the “more options” link that appears at the top of any list of Google results. Wonder Wheel is then found in the list on the left side of the page.

Wonder Wheel takes the concept of web and applies it to search refinement. Enter any search term in Wonder Wheel and that term will appear in the center of the web. Each branch of the web contains a related search term. Click one of those terms and a new web will be generated and linked to the original web. It's a good way for student to learn about connections between terms.

You can see a video of Wonder Wheel in action by [clicking here](#).

Or visit <http://freetech4teachers.com/2009/05/google-wonder-wheel-in-action.html>



Timeline

Google's Timeline option allows users to refine their searches by the dates referenced in the online materials. Timeline displays a chart on which users can click to find materials referencing a particular date or range of dates.

Timeline is particularly useful for history students.

Timeline also offers an option for refining search results by the date on which something was posted online. Users can specify that they want results only from the last day, week, month, year, or they can specify a particular date or range of dates. Click the “show options” link after entering your search terms, to find this option.

Google Search Tools

Explore books, scholarly works, and newspaper archives with these Google search tools.



Google Books

In Google Books Advanced Search you can search for full-length books that are in the public domain and available for free download and printing. Those same books can also be embedded into your blog or website. To find full-length, public domain books, go to books.google.com then select public domain in the advanced search options menu.

In the past I've given my US History students an assignment in which they have to read and analyze a book about about the Civil War. As I have more students than our school's library has books about the Civil War, the huge listing of books about the Civil War that are in the public domain is very handy for my students.



Google Scholar

Google Scholar is designed to help students research works from scholarly journals, patent applications, and legal opinions.

Google Scholar allows you to read full text legal opinions from US federal and state district courts, appellate courts, and the Supreme Court. You can search for opinions by case name (like *Miranda v. Arizona*) or by topic (like school busing).

Google Scholar's addition of legal opinions could be very useful for teachers and students of US civics. Google Scholar could help schools reduce or eliminate the need to purchase updated legal opinion books every few years.

Find Google Scholar at

<http://scholar.google.com>



Google News

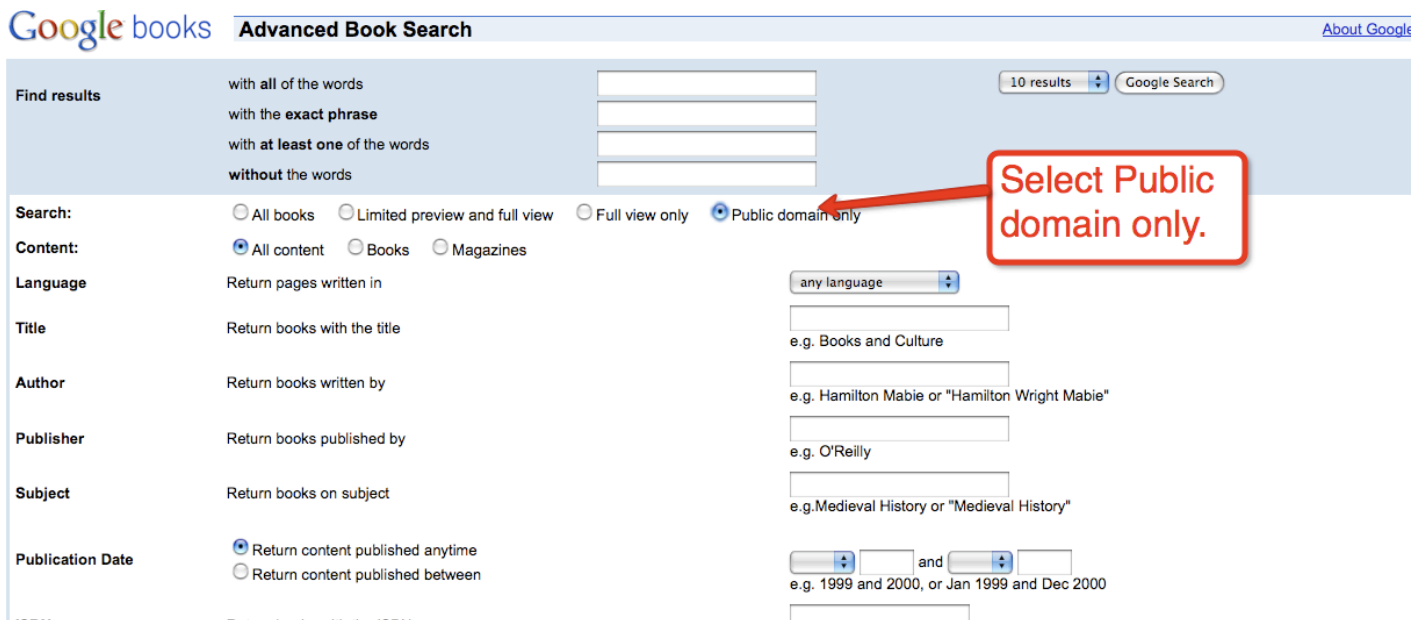
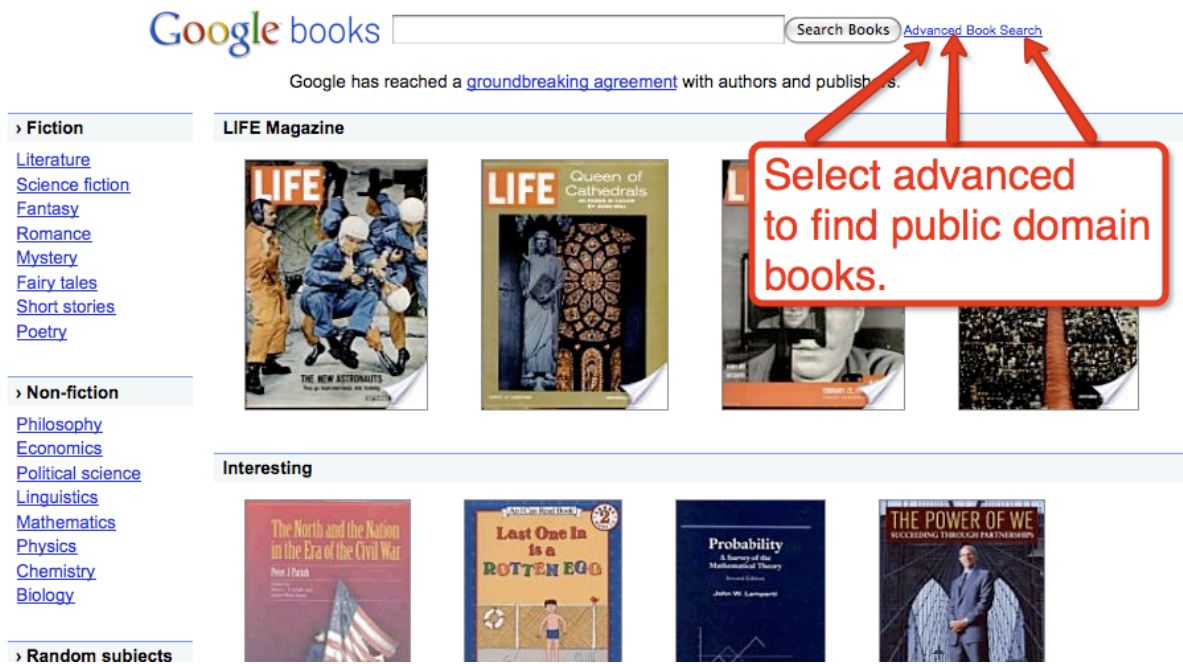
Google News search allows students to scour the web for news stories from Google's trusted sources. Students can refine searches by date to look at current stories (default setting) or to look back at news stories from years ago. Students can also refine their searches by specifying a particular news source and or a particular author.

Google News Fast Flip presents news stories in a visually-appealing magazine rack-style. Students can click through the covers to find a news story.

The Google News wizard makes it easy to customize the look and the content displayed on your blog. Once you have selected the news content you want displayed and the size of the display, simply copy the code generated for you and paste it into your blog.

Accessing Google Books Advanced Search

The advanced search menu allows users to refine searches to show only public domain works, only full text works, or only books of a particular genre. Users can also build a virtual bookshelf of their favorite works.



How to Embed Google Books Into Your Blog or Website.

Note, this method does not work for blogs hosted on WordPress.com but can work for Edublogs blogs and WordPress self-hosted blogs.

Step 1.

The red badge of courage: an episode of the American civil war By Stephen Crane

Overview
Read
Reviews (110)
Buy

Search in this book

★★★★☆ (16) - [Write review](#)
[Add to my library](#)

Get this book
[AbeBooks](#)
[Alibris](#)
[Amazon](#)
[Google Product Search](#)
[Find in a library](#)
[All sellers >](#)

Related books

Plain text

Paste link in email or IM
<http://books.google.com/books?id=NBMC AAAAYAAJ&dq=US%20>

Embed
`<iframe frameborder="0" scrolling="no" style="border:0px" src=`

Copy this embed and paste it into your blog's html editor.

Step 2

Mr. Byrne Teaches

Posting Settings Layout Monetize View Blog

New Post [Edit Posts](#) [Comment Moderation](#)

Title:

Link: Use this to make your title link to a website. [Learn more](#)
[Add enclosure link](#)

```
<iframe frameborder="0" scrolling="no" style="border:0px" src="http://books.google.com
/books?id=NBMC AAAAYAAJ&dq=US%20Civil%20War&lr=&as_drrb_is=q&as_minm_is=0&as_miny_is=6
as_maxm_is=0&as_maxy_is=&as_brr=4&as_pt=BOOKS&pg=PP1&output=embed" width=500 height=500>
</iframe>
```

Adjust the width and height to fit in your main content column.

Post Options Labels for this post:

Create a Virtual Bookshelf in Google Books.

Google books Search Books [Advanced Book Search](#)

Browse popular books

[My library](#) Favorites [Reading now](#) [To read](#) [Have read](#) [Reviewed](#)

[Adventure Books](#) [Fishing Books](#)

Create new bookshelf

Google has reached a [groundbreaking agreement](#) with authors and publishers.

New! My Library has custom bookshelves with public and private options. [Learn more.](#)

› Browse subjects
[Body, Mind & Spirit](#)

My library [Reading now](#) [To read](#) [Have read](#) [Reviewed](#)

Interesting

Magazines

Create a bookshelf of your favorite works.

Search Books [Advanced Book Search](#)

Create new bookshelf

Name

Description (optional)

Visibility Public [Make private](#)

Name bookshelf and select public or private view.

To read

Google Advanced Search

Take advantage of Google's built-in search refinement tools to improve your Internet search experience.



Advanced Search

[Advanced Search Tips](#) | [About Google](#)

Use the form below and your advanced search will appear here

Find web pages that have...

all these words:

this exact wording or phrase: [tip](#)

one or more of these words: OR OR [tip](#)

But don't show pages that have...

any of these unwanted words: [tip](#)

Need more tools?

Results per page:

Language:

File type:

Search within a site or domain:
(e.g. youtube.com, .edu)

[+ Date, usage rights, numeric range, and more](#)

Find web pages that have...

all these words:

this exact wording or phrase: [tip](#)

one or more of these words: OR OR [tip](#)

But don't show pages that have...

any of these unwanted words: [tip](#)

Need more tools?

Results per page:

Language:

File type:

Search within a site or domain:
(e.g. youtube.com, .edu)

[+ Date, usage rights, numeric range, and more](#)

Date: (how recent the page is)

[Usage rights:](#)

Where your keywords show up:

Region:

Numeric range: --
(e.g. \$1500..\$3000)

[SafeSearch:](#) Off On

Google News Widgets

Use the Google News Widget to display top news stories on your blog or website. Find the widget at

<http://code.google.com/apis/ajaxsearch/documentation/newsshow/wizard.html>

NewsShow Wizard - Put Google News on Your Web Page

Embed a NewsShow on your web page and let your users see headlines and preview bar should be displayed, and this wizard will write the code for you.

Select the size of your news widget.

Style:

Search Expression(s):

Note: You can either specify a single expression or a comma separated list of expressions (or just some topics below).

Search Topic(s):

- Top Headlines
- World
- Business
- Nation
- Science & Technology
- Elections
- Politics
- Entertainment
- Sports
- Health

Select story topics.

Note: Your NewsShow will contain results from all checked topics and search expressions entered above.

News Edition:

Note: The best way to understand the available set of editions is to look at the edition links at the bottom of [Google News](#). After clicking on an edition, note the value of &ned argument in the browser's address bar.

User Interface Language:

Note: This forces the user interface into the specified language and changes the default news edition (see above). There may not be news articles for every language.

Result Set Size:

Note: This is the number of results per search expression and topic.

Preview Configuration & See the Code

This is how it will look on your page:

Top Stories
powered by Google News

[Arab leaders renew support for peace efforts](#)
The Associated Press - 1 hour ago
SIRTE, Libya — Arab leaders on Sunday renewed their support for Mideast peace efforts, rejecting pressure from Syria and Libya on the Palestinians to abandon talks
[Related Articles »](#)

« Previous Next »

And this is the code you need to copy and paste where you want your NewsShow to appear:

```
<iframe frameborder="0" width="728" height="90" marginwidth="0" marginheight="0"
src="http://www.google.com/uds/modules/elements/newsshow/iframe.html?topic=h&rsz=small&format=728x90">
</iframe>
```

More about the NewsShow

If you're options.

Getting

If you h Google

Copy this code. Adjust the width to fit your blog's main column. Generally you want the width to equal less than 500px

Google Docs

There is more to Google Docs than word processing, presentations, and spreadsheets.

Here are some other things teachers and students can do with Google Docs.



Google Docs



Google Docs



Google Docs

Word Cloud Gadget

One of the lesser known elements of Google Docs is spreadsheet gadgets. Gadgets are designed to take data from your spreadsheets and use it or display it in non-spreadsheet forms.

The Word Cloud Gadget takes the words (and numbers if you choose) in your spreadsheet and generates a word cloud. You can customize the Word Cloud Gadget to use the words from all of your cells or you can specify to draw upon specific cells. You can also customize the Word Cloud Gadget to link words in the cloud to a search engine. To add further utility, you can adjust the Word Cloud Gadget to ignore certain words when generating your word cloud.

Reading Levels

If you select the word count option in the Google Docs tools menu you will find three indicators of the reading level of the document you're creating. Google Docs will calculate for you the Flesch Reading Ease, Flesch-Kincaid Grade Level, and the Automatic Readability Index.

The Google Docs reading level indicators could be useful in selecting Internet articles for students to read. Paste an article into Google Docs to quickly determine the reading level.

Flashcards & Word Games

The Google Docs Templates gallery contains three templates allow you to create flashcards, word searches, and a word study game.

If you've been looking for just the right flashcard program or the right word search generator, but haven't found it, these templates might be what you need. One clear advantage of using these templates over a commercial program is that you won't be exposing your students to any advertising on your word search or flashcards.

Google Docs

There is more to Google Docs than word processing, presentations, and spreadsheets.

Here are some other things teachers and students can do with Google Docs.



Google™ Docs



Google™ Docs



Google™ Docs

Thesaurus & Dictionary

Google Docs contains an integrated thesaurus, dictionary, and encyclopedia tool. It is a simple tool to use. Simply highlight a word in your document then select "look up word" from the "tools" drop-down menu. From there you can find a synonym, a definition, or an Encyclopedia Britannica reference to your selected word. Also worth noting is an image search tool integrated into Google Docs. Just like using the thesaurus tool, simply highlight a word in your document then select "search for images" from the "tools" menu. Suggested synonyms and definitions appear in a pop-up window that floats over the document you're working on.

Bibliography Templates

Google Docs has templates for creating bibliographies in APA, MLA, AMA, and Chicago Style. You can find these templates in the Google Docs Template Gallery.

The Google Docs bibliography templates could be very useful for any student that needs to create a bibliography.

Translation

Google's translation tool is integrated into Google Docs. You can translate any document in Google Docs into your choice of fifty-one different languages. To use the translation feature, just select the "translate" option under the "tools" drop-down menu.

Google Docs translation tool obviously could be used in a foreign language class. It could also be useful if you have students that live in homes where English is not the primary language. If you need to send a letter home, you can easily print it out in multiple languages.

Google Docs

There is more to Google Docs than word processing, presentations, and spreadsheets.

Here are some other things teachers and students can do with Google Docs.



Google Docs



Google Docs



Google Docs

Equations & Subscripts

Google Docs contains an equation editor for mathematics teachers and students. Google Docs also offers a subscript and superscript tool that can be used in writing chemical compounds and mathematics equations.

The equation editor, subscript, and superscript tools make it possible for math and science teachers and their students to use Google Docs for more of their document creations. With these three tools online collaborative document creation isn't limited to the humanities. Science and mathematics students can also collaborate to solve equations.

Clipboard

The Google Docs clipboard allows you to copy content from a spreadsheet and paste it to a document or presentation. Likewise, you can copy from a document and paste to a presentation or a spreadsheet cell.

The most important element of the Google Docs clipboard is that you can save multiple selections to your clipboard and access them at any time from any internet-connected computer.

The Google Docs clipboard option could be useful for editing the sequence of an outline or essay. Students can copy many elements to their clipboards and paste them onto a blank canvas in the order they want.

Quizzes and Surveys

Google Docs Forms allows teachers to create a quiz and post it online. All of answers submitted by students appear in an easy-to-grade spreadsheet.

Along the same lines of creating a quiz using Google Docs Forms, teachers and students can create surveys in Google Docs. Surveys can be embedded into a blog or website. All responses will appear in a spreadsheet. After all responses are collected users can choose from a variety of summation tools built into Google Docs Spreadsheets. The summation tools will create graphs of the survey responses.

How to Create and Publish a Quiz Using Google Docs.

The directions for embedding quizzes into a blog works for Blogger and Edublogs blogs.

1. Make sure the first question is "student name." Otherwise you won't know who submitted which answers.
2. You can mix question types (multiple choice, short answer, paragraph) but if you have too many types and too many students, the spreadsheet can become difficult to navigate.
3. When embedding the form into a blog, make sure you edit the width to fit within your blog's main column.

Step One

The screenshot shows the Google Docs interface. On the left, the 'Create new' dropdown menu is open, showing options: Document, Presentation, Spreadsheet, Form, and Folder. The 'Form' option is highlighted with a purple arrow. A purple box with the text 'Create new form' is overlaid on the right side of the interface, with an arrow pointing to the 'Form' option in the menu. The main content area shows a list of documents under 'All items', including titles like 'Want a GCT Polo Shir...', 'Forty-Four Interesting Ways (anc...', 'Six Interesting Ways to use Prez...', etc.

How to Create and Publish a Quiz Using Google Docs.

The directions for embedding quizzes into a blog works for Blogger and Edublogs blogs.

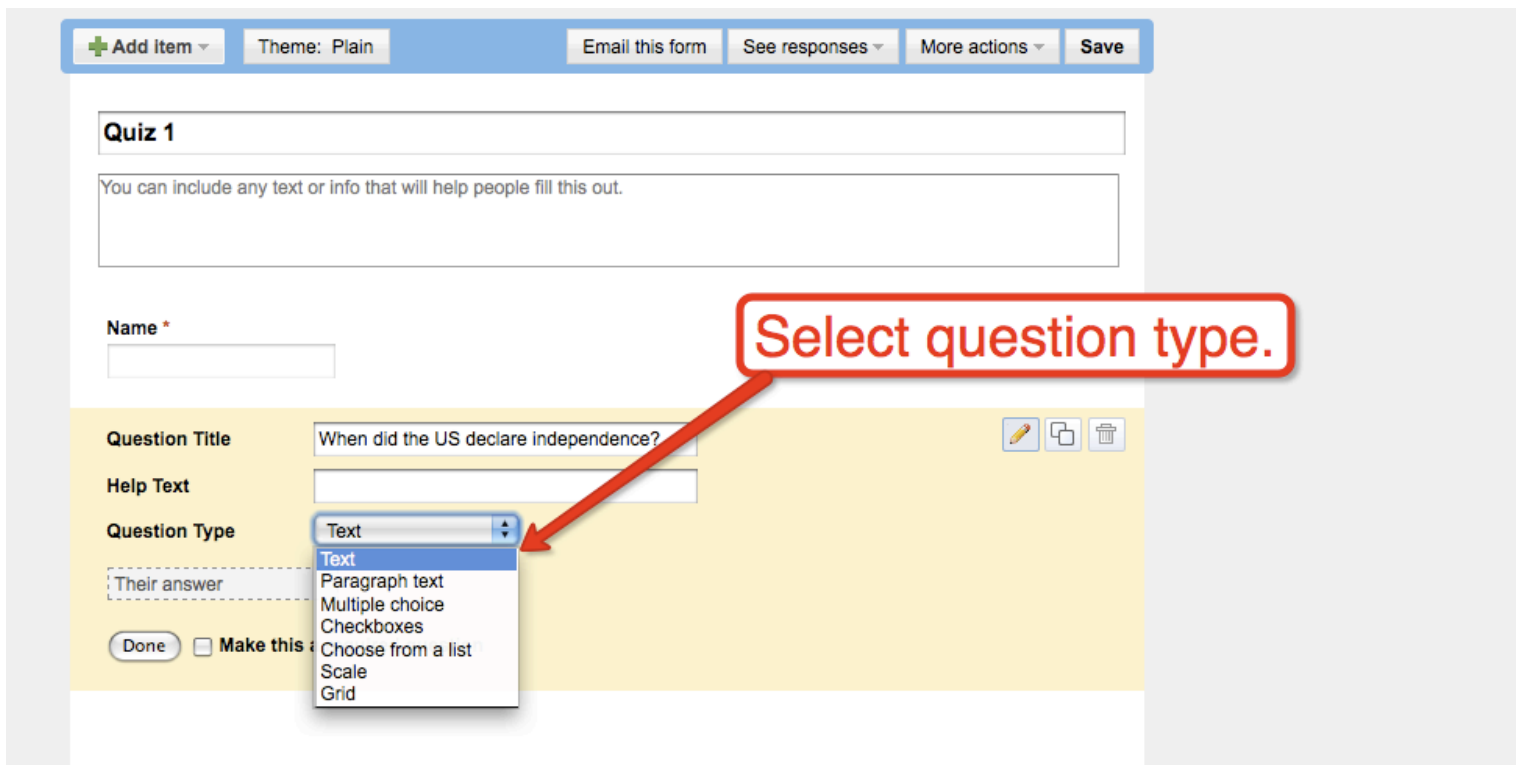
Step Two

The screenshot shows the 'Add Item' interface in Google Forms. At the top, there is a blue header bar with the following elements: a '+ Add Item' button, a 'Theme: Plain' dropdown, and three buttons: 'Email this form', 'See responses', and 'More actions', followed by a 'Save' button. Below the header, the form title is 'Untitled form', with a purple arrow pointing to it from a purple box containing the text 'Title form.'. Underneath the title is a text area with the placeholder text 'You can include any text or info that will help people fill this out.'. The main question configuration area has a yellow background and includes: 'Question Title' with a text box containing 'Name', an orange arrow pointing to it from a red box containing the text 'Make the first question student name.', 'Help Text' with an empty text box, 'Question Type' with a dropdown menu set to 'Text', a dashed box labeled 'Their answer', and a 'Done' button next to a checkbox labeled 'Make this a required question'. At the bottom, there is a section titled 'Sample Question 2' with an empty text box.

How to Create and Publish a Quiz Using Google Docs.

The directions for embedding quizzes into a blog works for Blogger and Edublogs blogs.

Step Three



Quiz 1

You can include any text or info that will help people fill this out.

Name *

Question Title: When did the US declare independence?

Help Text

Question Type: Text

Their answer

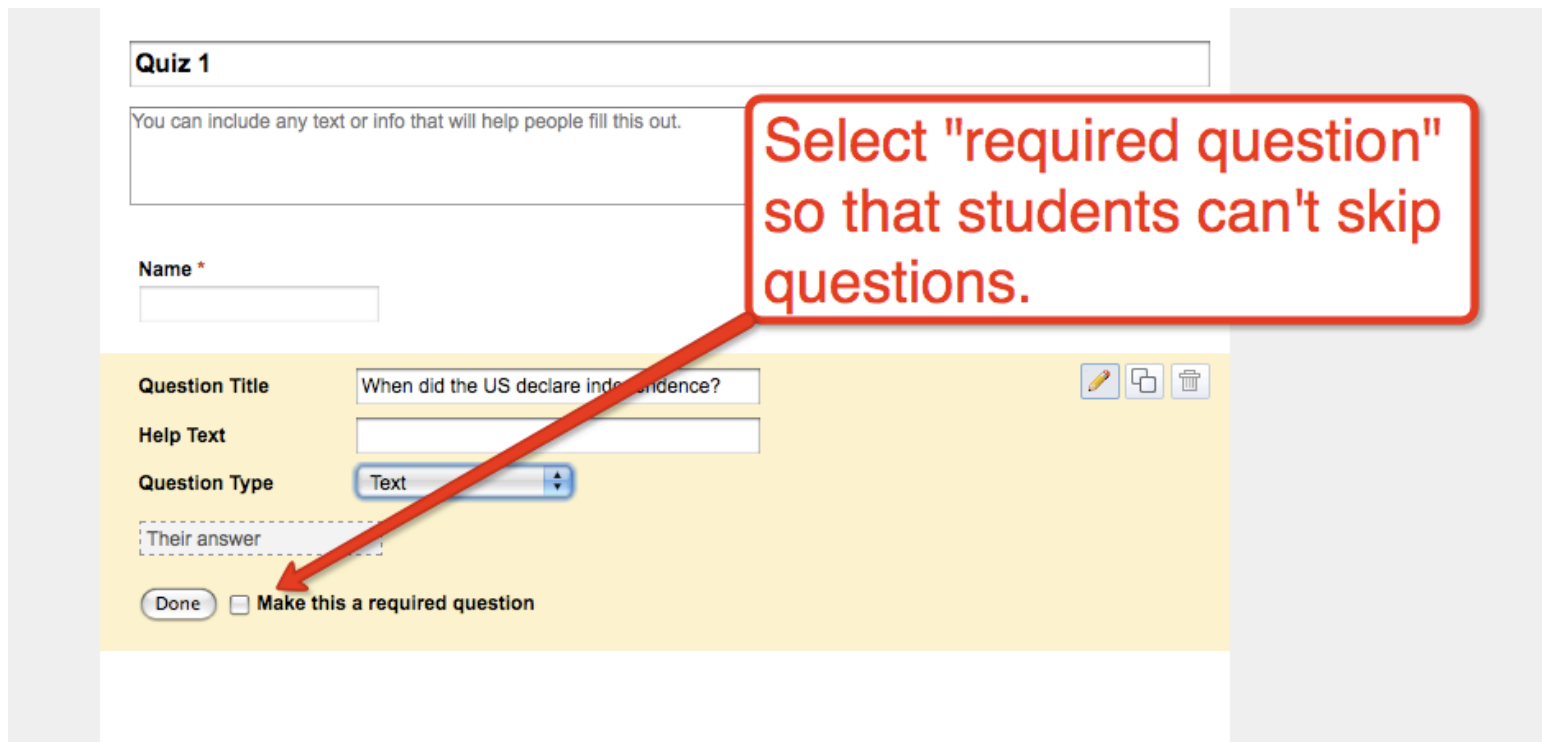
Done Make this

Select question type.

How to Create and Publish a Quiz Using Google Docs.

The directions for embedding quizzes into a blog works for Blogger and Edublogs blogs.

Step Four



The screenshot shows a quiz creation interface. At the top, there is a text box labeled "Quiz 1". Below it is a larger text box with the placeholder text "You can include any text or info that will help people fill this out." Below that is a "Name *" field. The main section is a yellow box containing a "Question Title" field with the text "When did the US declare independence?", a "Help Text" field, and a "Question Type" dropdown menu set to "Text". Below the dropdown is a dashed box labeled "Their answer". At the bottom of the yellow box, there is a "Done" button and a checkbox labeled "Make this a required question". A red callout box with a red border and text points to this checkbox. The callout text reads: "Select 'required question' so that students can't skip questions." To the right of the callout box are three small icons: a pencil, a document, and a trash can.

How to Create and Publish a Quiz Using Google Docs.

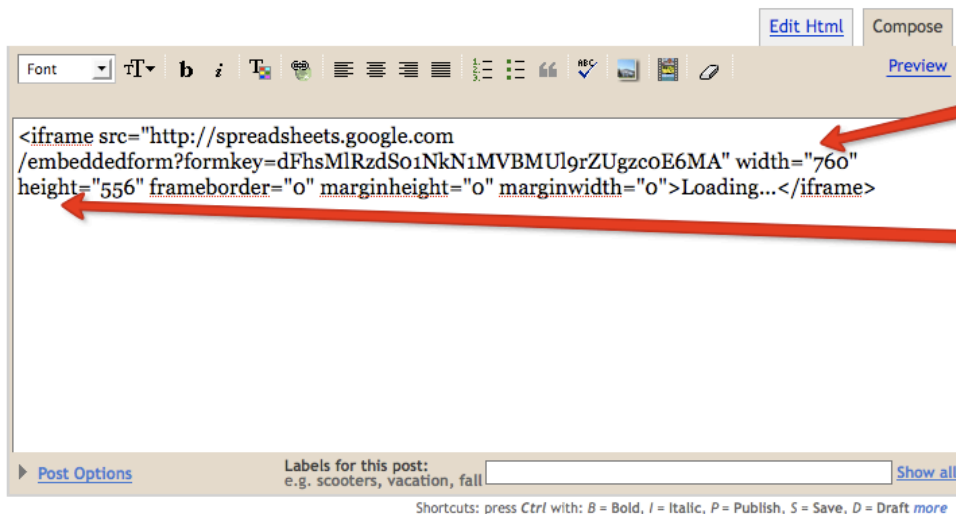
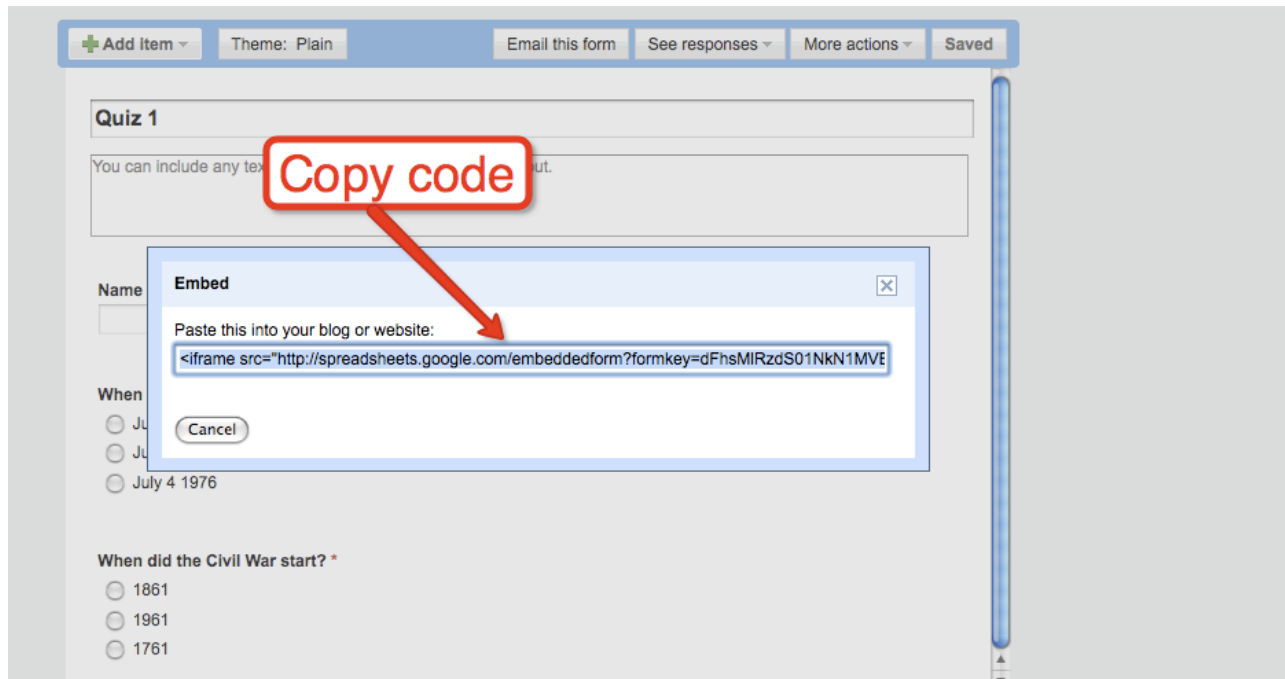
The directions for embedding quizzes into a blog works for Blogger and Edublogs blogs.

This screenshot shows the top toolbar of a Google Form. The '+ Add Item' button is highlighted with a red arrow. A red-bordered box contains the text: "Select 'add item' to add more questions." The dropdown menu is open, showing options like Text, Paragraph text, Multiple choice, Checkboxes, Choose from a list, Scale, Grid, Other, Section header, and Page break. Below the menu, a sample multiple-choice question is visible: "When did the US declare independence?" with options for July 4, 1876, July 4, 1776, and July 4, 1976.

This screenshot shows the 'More actions' dropdown menu of a Google Form. A red arrow points to the 'Embed' option. A red-bordered box contains the text: "Select 'embed' to get code for placing form into blog or website." The form content is visible in the background, including the title "Quiz 1", a description "You can include any text or info that will help people fill this out.", a "Name" field, and two multiple-choice questions: "When did the US declare independence?" and "When did the Civil War start?".

How to Create and Publish a Quiz Using Google Docs.

The directions for embedding quizzes into a blog works for Blogger and Edublogs blogs.





US History edited on 8/24/09 9:51 AM by Rbyrne Share Save Save & Close

File Edit View Insert Format Table **Tools** Help

Styles Verdana Check spelling Done spelling Language (for spelling) Translate document Word count... Look up word Search the web for word Manage document bookmarks... Revision history

Mr. Byrne
 OHCHS Social Studies Department
 Email: rbyrne@sad17.k12.me.us
 or
 mrbyrne@mrbyrneteaches.com

This course is a survey of seven eras that means to be an United States American compromise, the individual and society, power and oppression, unity and diversity curriculum attached to this syllabus.

The following is the general schedule of unit progression for the year. Please so the second unit of the third quarter may run into the fourth quarter.

First Quarter
 Unit 1 - Nation Building 1783-1815 Chapters
 Unit 2 - Expanding Nation 1815-1850 Chapters

Albanian
 Arabic
 Bulgarian
 Catalan
 Chinese
 Croatian
 Czech
 Danish
 Dutch
 English (US)
 Estonian
 Filipino
 Finnish
 French

Expectations

each of these eras we will explore the patterns that define what it are five enduring themes; continuity and change, conflict and t of vocabulary terms and unit standards please consult the course

the third quarter is typically when we have the most school cancellations



<p> Check spelling Ctrl+Shift+K</p> <p>Done spelling</p> <p>Language (for spelling) ▶</p> <p>Word count... Ctrl+Shift+C</p>	
<p>Look up word ▶</p> <p>Search the web for word ▶</p>	<p>Look up definition of "Moxie"...</p> <p>Look up synonyms for "Moxie"...</p> <p>Look up "Moxie" in encyclopedia</p>
<p>Manage document bookmarks...</p>	
<p>Revision history</p>	

Reading Levels in Google Docs

Select Word Count from the Tools Menu to access
this information.

Word Count ✕		
Counts	Selection	Document
Words:	-	566
Characters (no spaces):	-	2922
Characters (with spaces):	-	3487
Paragraphs:	-	3
Sentences:	-	34
Pages (approximate):	-	2
Readability	Selection	Document
Average sentences per paragraph:	-	11.33
Average words per sentence:	-	16.65
Average characters per word:	-	5.16
Average words per page:	-	283.00
Flesch Reading Ease: ?	-	50.33
Flesch-Kincaid Grade Level: ?	-	10.00
Automated Readability Index: ?	-	11.00

Done



Google Word Cloud Gadget

Google docs

Google Docs > Template Gallery

Public Templates Templates I've used My Templates

Sort by

- Hottest
 - Most users
 - Highest rating

Narrow by type

- All types
 - Documents
 - Spreadsheets
 - Presentations
 - Forms

Narrow by category

- All categories
 - Albums & Flipbooks
 - Business
 - Calculators
 - Calendars & Schedules
 - Cards & Certificates

Search results for "word cloud gadget" [Clear Search](#)

Advanced Word Cloud Gadget Sample By [Google](#)
 ★★☆☆☆ 3 ratings [Rate It](#) [Embed](#) [Report abuse](#)
 Create a tag cloud from cells in your spreadsheet with the advanced word cloud gadget. Popular words are bigger and bolder. Choose the color, exclude common words like "or" and "the", and best of all, turn each tag into a link with an easy-to-use search string.
 [Preview](#)

1 - 1 of 1

The fastest way to locate Word Cloud Gadget is to use these search terms in the template gallery.



Google Word Cloud Gadget

Google docs Copy of Advanced Word Cloud Gadget Sample

File Edit View Insert Format Form Tools Help

10pt B Abc [Color Picker] [Background Color]

Paste text into cells

Click here for sharing/publishing options.

Yesterday Labor Secretary Hilda Solis discussed her perspective on International Women's Day, and the First Lady's role in recognizing and exemplifying the ideals behind it. Today, the State Department's DipNote blog tells us about the annual International Women of Courage Awards -- and will allow you to watch the ceremony live at 3:00.

women
international
courage state dipnote peps piere yesterday
worldwide watch this day y mukko rppi role mark at us winners
work info may afghanistan solo style those will seat shad obama recognize live award solar on roshan ofe
year S department 3 lady republic opportunity unique more shukla of shalpa recognizing
secretary who qureshi 00 ceremony solo

Google Word Cloud Gadget

Customize the gadget settings

Google docs Copy of Advanced Word Cloud Gadget Sample Autosaved on 10:13 AM PST [Share](#)

Edit View Insert Format Form Tools Help

Choose range of cells from which to generate cloud

Specify words to ignore

Specify url(s) to link words to.

Gadget

Range: Sheet1!A2:E3 [Help](#) [X](#)

Number of header rows: Auto

Number of words: 75

Text color: darkblue

Fade colors?

Words to ignore: and or in the of with that so

Search URL: http://google.com

* required

Apply Apply and close



Google Word Cloud Gadget

Google docs Copy of Advanced Word Cloud Gadget S

Autosaved on 9:59 AM PST Share

File Edit View Insert Format Form Tools Help

10pt B

Copy HTML and paste into your blog/website.

Publish Gadget

Paste this into any HTML page:

```
<script src="http://spreadsheets.google.com/gpub?url=http%3A%2F%2Fgjbfa4rgl26lu5u0nimmdcne8rkqg644.spreadsheets.gmodules.com%2Fgadgets%2Fif%3Fup_table_query_url%3Dhttp%253A%252F%252Fspreadsheets.google.com%252F%252Ffrange%253DA2%25253AE3%2526headers%253D-1%2526key%253D0AgL6VA9dkzMedDJGNTUJYTFfa nRqRG16eUFFcjAwaWc%2526gid%253D0%2526pub%253D1%26up_maxTerms%3D75%26up_color%3Ddarkblue%26up_fade%3D1%26up_exclude%3Dand%2520or%2520in%2520the%2520of%2520with%2520that%2520so%2520can%2520a%2520for%2520here%2520to%2520it%2520we%26up_url%3Dhttp%253A%252F%252Fwww.youtube.com%252Fresults%253Fsearch_query%253D%2525%26up_table_query_refresh_interval%3D0%26url%3Dhttp%253A%252F%252Fhosting.gmodules.com%252F%252Fgadgets%252Ffile%252F107586420984574887835%252Ftagcloud.xml%253Fnocache&height=320&width=450"></script>
```

Select publish gadget.

- Publish Gadget...
- Add Gadget to iGoogle...
- Delete Gadget
- Get query data source url...
- Get Gadget XML
- About this gadget...
- Move to own sheet...

Done

Google Maps

Google Maps can be used for more than just Social Studies lessons.



Math Maps

Math Maps are Google Maps on which Tom Barrett and others have created placemarks which when clicked reveal mathematics questions for students to answer based on the maps. There are questions available for every elementary school grade level. The placemarks are color-coded to indicate the level of the questions. Blue = Kindergarten, Red = 1st grade, Green = 2nd grade, Light Blue = 3rd grade, Yellow = 4th grade, Purple = 5th grade. Visit Tom Barrett's Math Maps page to view the existing Math Maps and read about how to contribute to the existing Math Maps.

Learn more about math maps here <http://edte.ch/blog/math-maps/>

Placeopedia

Placeopedia is a website that provides additional context for Wikipedia entries through Google Maps. Placeopedia connects Wikipedia articles with their locations. Click on any placemark on Placeopedia's map and you will be linked to a Wikipedia article about that place.

Placeopedia can be a good tool for students to use to do some quick, general research about a city, state, or country. Placeopedia is also useful for providing geographical context for other Wikipedia articles that references locations.

Visit Placeopedia at

<http://placeopedia.com>

Climate Change Data

Geo.me Solutions has created a fairly in-depth mapped display of global climate data. The map is a Google Map containing placemarks that when opened reveal current weather data as well as historical weather data. In some cases there is data dating back three hundred years. The data is recorded from more than 1,500 weather stations around the globe. You can browse through the data sets by clicking on placemarks on the map or you can enter a search for a specific location.

Explore this Google Maps mash-up at <http://www.geo.me/>

Google Maps

Google Maps can be used for more than just Social Studies lessons.



Paint Map

Paint Map is part search engine, part artwork sharing, and part Google Map. The way Paint Map works is artists submit images of their paintings, write a description of the where the painting was made, and then plot that location on a Google Map. Paint Map offers a commenting system through which visitors and artists can interact. There is a search bar on Paint Map's homepage that visitors can use to search through the nearly 500 paintings on Paint Map.

Paint Map provides students with a global context of the paintings they view.

Find Paint Map at

<http://paintmap.com>

Literary Maps

Google Lit Trips provides dozens of examples of using Google Earth to map out stories. You can use the same concept to create literary maps in Google Maps. Have students choose their favorite stories, identify the locations mentioned in the stories, and then create placemarks on a Google Map. The students' placemarks can include text, images, and videos.

On a similar note, you could have students create a story from scratch and map it out on a Google Map.

For more ideas about creating literary maps visit:

<http://www.googlelittrips.com>

Plan a Bike Route

Google Maps provides directions for traveling by bicycle in more than 150 US cities. When you enter a pair of addresses you can choose to get directions for traveling by automobile or bicycle. Don't have any particular addresses in mind that you want to ride to? Google Maps offers suggested bicycle riding routes which you can find by selecting "bicycle" in your Google Maps menu.

Google Maps can be used by physical education teachers and or health teachers to have students plan safe routes for bicycle rides. To take the assignment a step farther you could have students plan a route, measure the distance, and calculate how many calories a person could burn on that route. There are numerous calorie calculators on the web that you could use for that second step.

How to Create and Save Placemarks in Google Maps

Step 1 - Create a Google Account if you don't already have one.

[Web](#) [Images](#) [Videos](#) [Maps](#) [News](#) [Shopping](#) [Gmail](#) [more](#) ▼ New! [Help](#) [Sign in](#)

Google maps [Show search options](#)
Find businesses, addresses and places of interest.

[Get Directions](#) [My Maps](#) « » [Print](#) [Send](#) [Link](#)

04101
[Change default location](#)
Put [your business on Google Maps](#)

Sign in.
If you don't have a Google Account you will be prompted to create one. You will need a Google Account in order to save your work.

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How to Create and Save Placemarks in Google Maps

Step 2 - Select My Maps

The screenshot shows the Google Maps website interface. At the top left, the Google Maps logo is visible. Below it, there is a search bar with the text "Find businesses, addresses and places of interest." To the right of the search bar are buttons for "Search Maps" and "Show search options". Below the search bar, there are several links: "Get Directions", "My Maps", "Set default location", and "Put your business on Google Maps". A red arrow points from the "My Maps" link to a red-bordered text box that says "After signing in, select My Maps." The main part of the screenshot is a map of North America, showing various states and cities. The map is zoomed in on the United States. At the bottom of the map, there is a scale bar showing 500 miles and 500 kilometers. The copyright notice at the bottom of the map reads "©2010 Google - Imagery ©2010 TerraMetrics. Map data ©2010 LeadDog Consulting, Google, Tele Atlas, INEGI".

Google maps Search Maps [Show search options](#)
Find businesses, addresses and places of interest.

[Get Directions](#) [My Maps](#) [Set default location](#) [Put your business on Google Maps](#)

After signing in, select My Maps.

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How to Create and Save Placemarks in Google Maps

Steps 3 & 4 - Select Create New Map then title map.

Google maps Search Maps [Show search options](#)
 Find businesses, addresses and places of interest.

Get Directions My Maps [Print](#) [Send](#) [Link](#)

[Create new map](#) - Browse the directory

Created by me

- [American Imperialism III](#) Public
- [American Imperialism III](#) Public
- [American Imperialism II](#) Public
- [American Imperialism](#) Public
- [Imperialism](#) Public
- [Netbook test](#) Public
- [Great Maine Fishing Rivers](#) Public
- [My 3rd map today](#) Public
- [Richard's Trip to Old Town part II](#) Public
- [My Trip to Old Town](#) Public
- [Montana Fishing](#) Public
- [Richard's Life](#) Public
- [Aziscohos Lake](#) Public
- [Holidays in Your Neighborhood](#) Unlisted
- [su](#) Public
- [Maine Must-sees](#) Public

Created by others

- [Google Maps By Umesh Pandit](#) Public
- ["Greetings from" Postcard Geography](#) Public
- [GTADC- Getting To Know You Map](#) Unlisted
- [Maine G-Apps](#) Public
- [Trine 2008](#) Public

Select Create New Map.

Google maps Search Maps [Show search options](#)
 Find businesses, addresses and places of interest.

Get Directions My Maps [RSS](#) [View in Google Earth](#) [Print](#) [Send](#) [Link](#)

[Collaborate](#) [Import](#) [Done](#) [Saved](#)

Title

Untitled

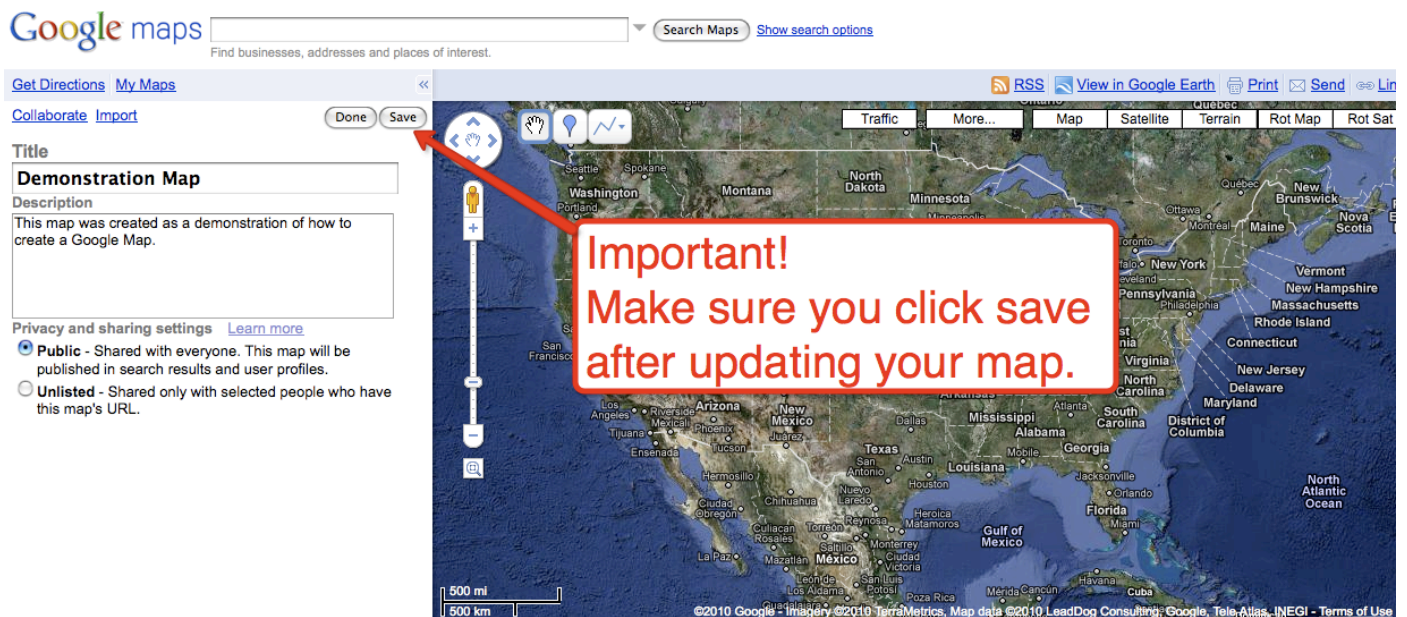
Description

Privacy and sharing settings [Learn more](#)

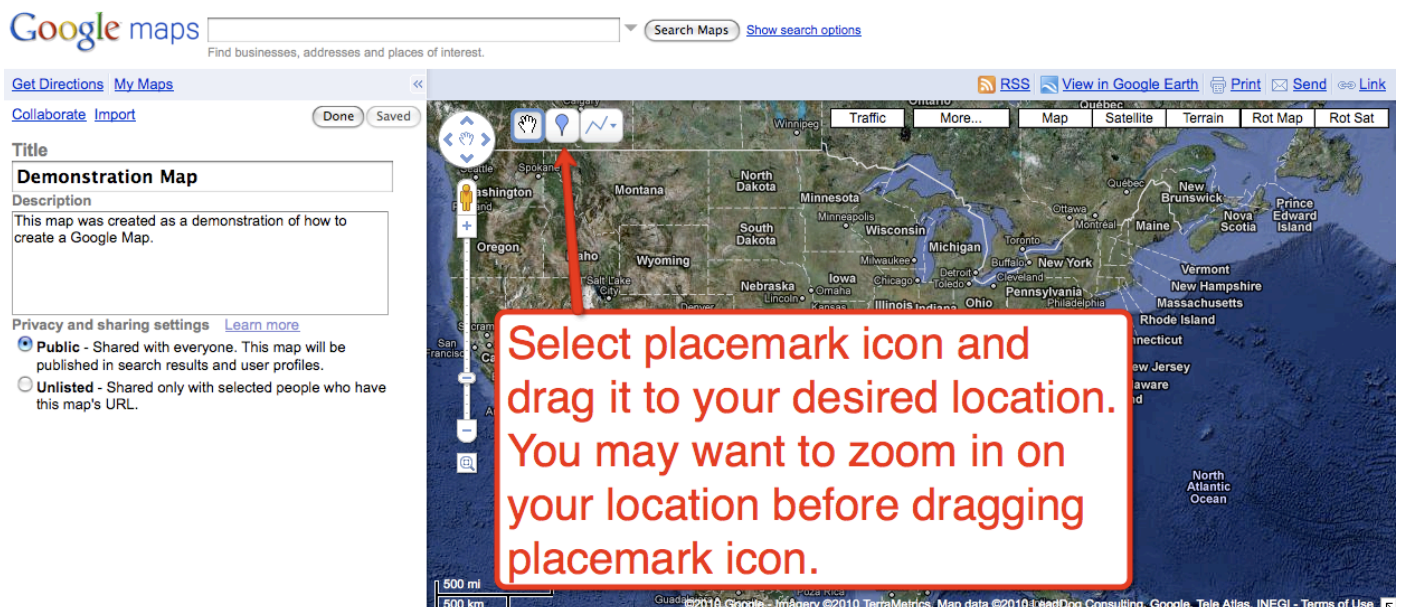
- Public** - Shared with everyone. This map will be published in search results and user profiles.
- Unlisted** - Shared only with selected people who have this map's URL.

Title your map.
Select privacy setting.

How to Create and Save Placemarks in Google Maps



Step 5 - Find location and select placemark icon.



How to Create and Save Placemarks in Google Maps

Step 6 - Edit text and images in placemark

The screenshot shows the Google Maps interface with a placemark editor open. The editor has a 'Title' field and a 'Description' field. The 'Description' field has three options: 'Plain text', 'Rich text', and 'Edit HTML'. The 'Rich text' option is selected, and a red callout box with arrows pointing to the 'Rich text' and 'Edit HTML' options contains the text: "Title placemark. Select 'Rich Text' to edit font style, insert links, and insert images."

Step 7 - Inserting videos from YouTube

The screenshot shows the Google Maps interface with a placemark editor open. The editor has a 'Title' field and a 'Description' field. The 'Description' field has three options: 'Plain text', 'Rich text', and 'Edit HTML'. The 'Edit HTML' option is selected, and a red callout box with an arrow pointing to the 'Edit HTML' option contains the text: "Select 'Edit HTML' to insert a video. Copy the embed code from YouTube and paste into form." The description field contains the text: "This is the largest fly-fishing only lake in Eastern United States.
".

How to Create and Save Placemarks in Google Maps

Step 8 - Click OK after editing placemarks. Click save, then done. Videos won't display until "Done" has been clicked.

The screenshot shows the Google Maps interface with a map of Kennebago Lake. On the left, the 'Demonstration Map' sidebar is visible. In the top right of the map area, there are 'Done' and 'Save' buttons. A pop-up window for editing the placemark 'Kennebago Lake' is open, showing a description field with an embed code and 'Cancel' and 'OK' buttons. Red arrows point from the text box to these buttons.

After inserting code click "ok," "save," then "done." Video won't display until after you have clicked done.

Step 9 - Click Edit to add more placemarks or edit/remove old placemarks.

The screenshot shows the Google Maps interface with the 'Demonstration Map' sidebar. The 'Edit' button is highlighted with a red arrow. A text box explains that clicking edit allows adding more placemarks or editing/removing existing ones. A video player is visible in the bottom right corner of the map area.

Click edit to go back and add more placemarks or edit/ remove existing placemarks.

*For more information and more tutorials (including videos) please visit **FreeTech4Teachers.com** and select “Google Tools Tutorials” from the top menu.*

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About the Author



Richard Byrne is a social studies teacher at a Western Maine High School. When not teaching Richard writes the award-winning blog Free Technology for Teachers.

Richard is a Google Certified Teacher available for speaking and conducting workshops at your school or conference.

To see a list of places where Richard has presented in the past, please visit:

<http://www.visualcv.com/richardmbyrne>

Contact Richard:

richardbyrne (at) freetech4teachers.com

Twitter - rmbyrne