

# Google for Teachers...

## Books, Docs, Maps, and more.

*A Free Guide from Free Technology for Teachers.*

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Freetech4teachers.com

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

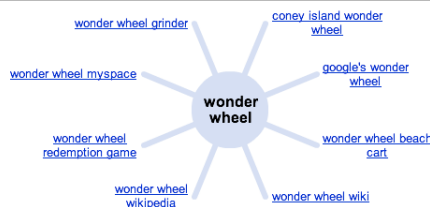


## Related Search

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](http://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.

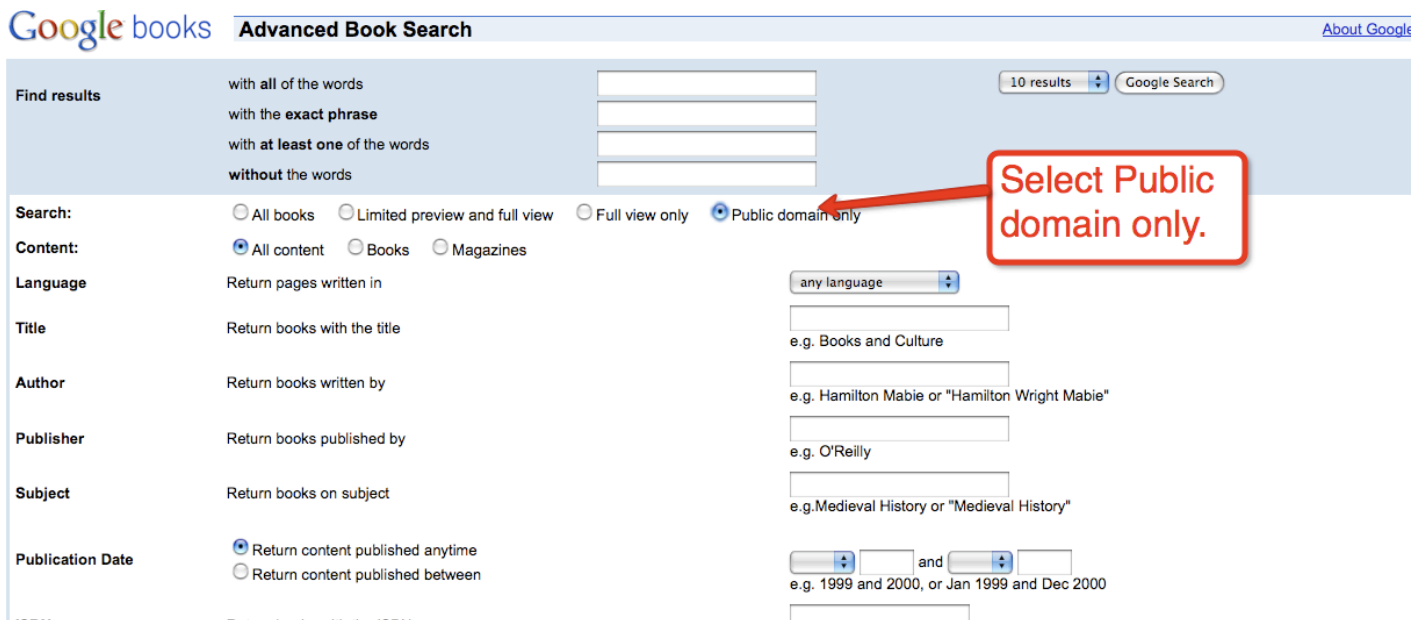
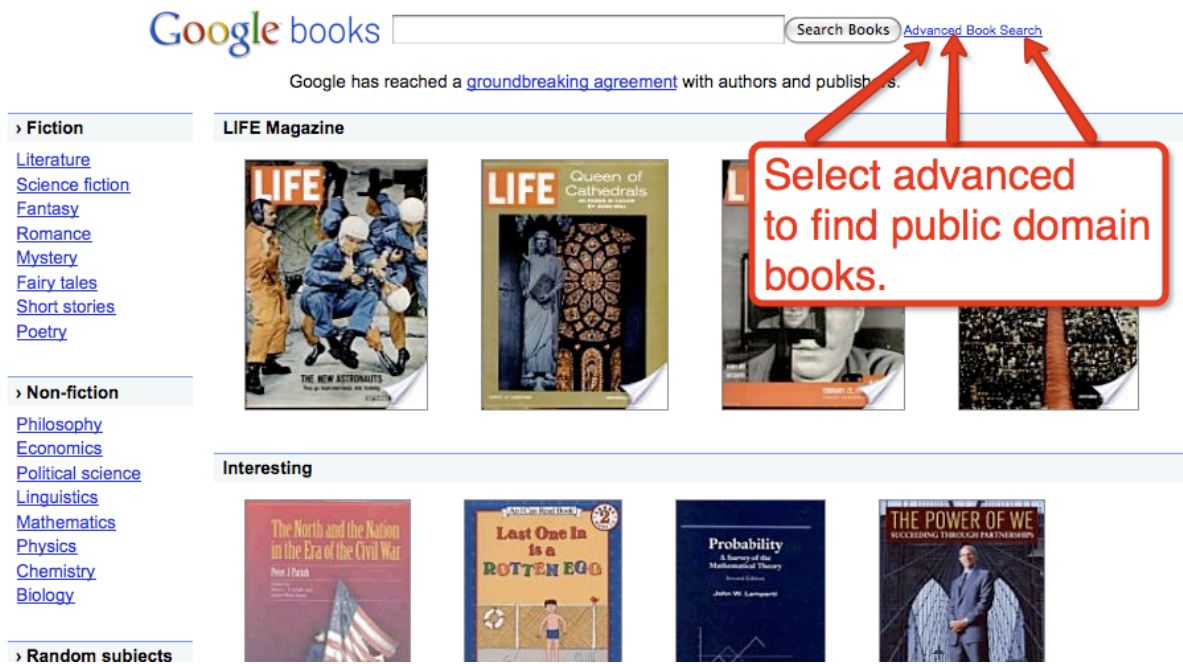
Google News Fast Flip presents news stories in a visually-appealing magazine rack-style. Students can click through the covers to find a news story.

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](#)

Edit Html

```
<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](#)

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

**Interesting**

**Magazines**

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](#)

Create a bookshelf of your favorite works.

**Create new bookshelf**

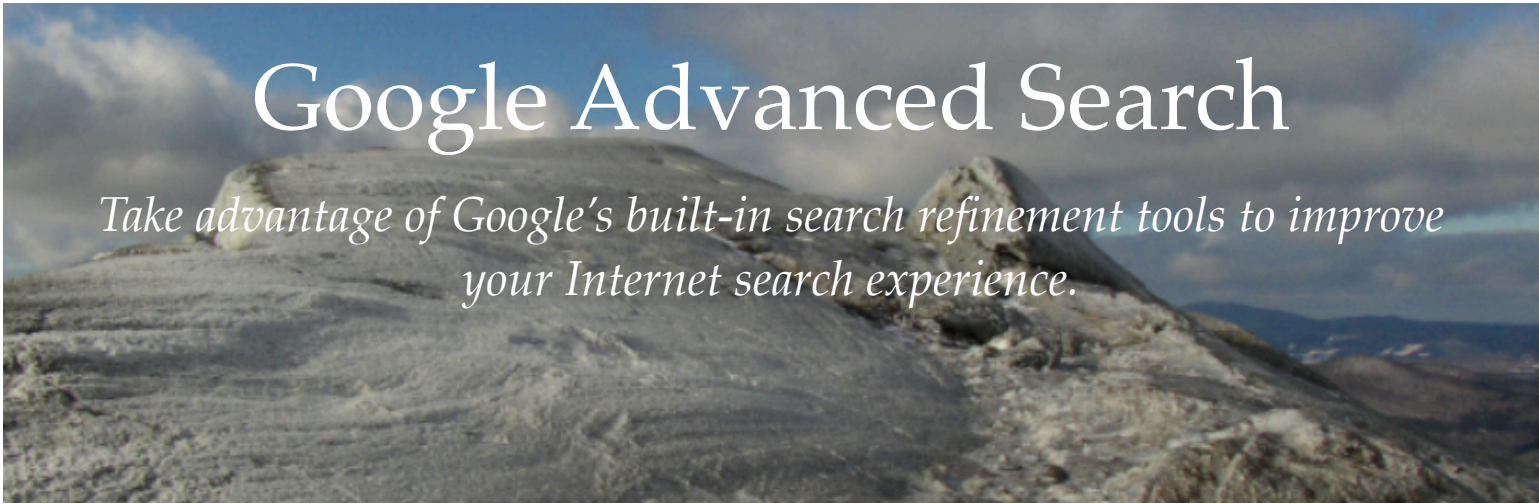
Name

Description (optional)

Visibility  Public [Make private](#)

Name bookshelf and select public or private view.





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.

Gettin

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

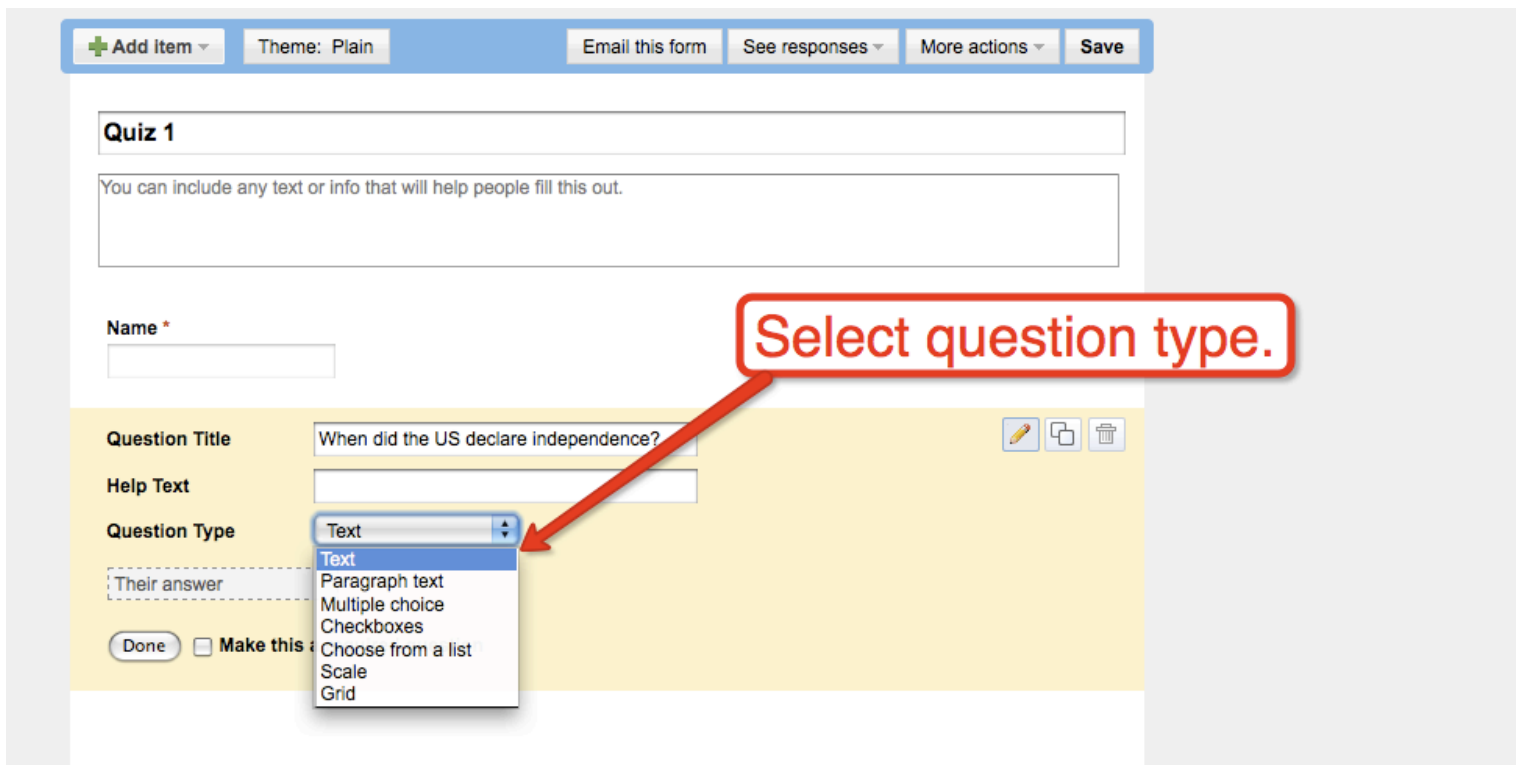
The screenshot shows the 'Add Item' interface in Google Forms. At the top, there is a blue header bar with the following elements: a '+ Add Item' button, a 'Theme: Plain' dropdown, and three buttons: 'Email this form', 'See responses', and 'More actions', followed by a 'Save' button. Below the header, 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 input field 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 input field, '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 input field.



# 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 question area is highlighted in yellow and contains the following fields: "Question Title" with the text "When did the US declare independence?", "Help Text" (empty), "Question Type" set to "Text", and "Their answer" (empty). At the bottom of this yellow area, 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 question fields 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.*

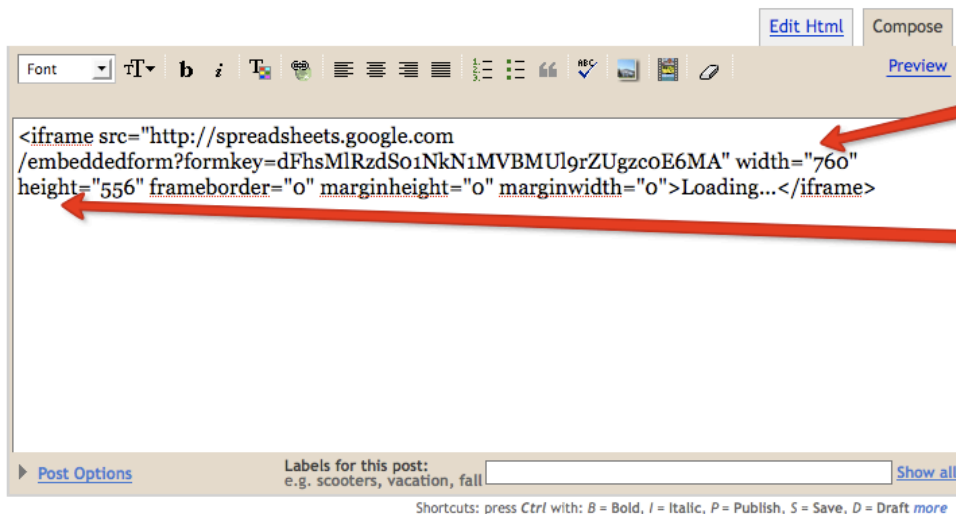
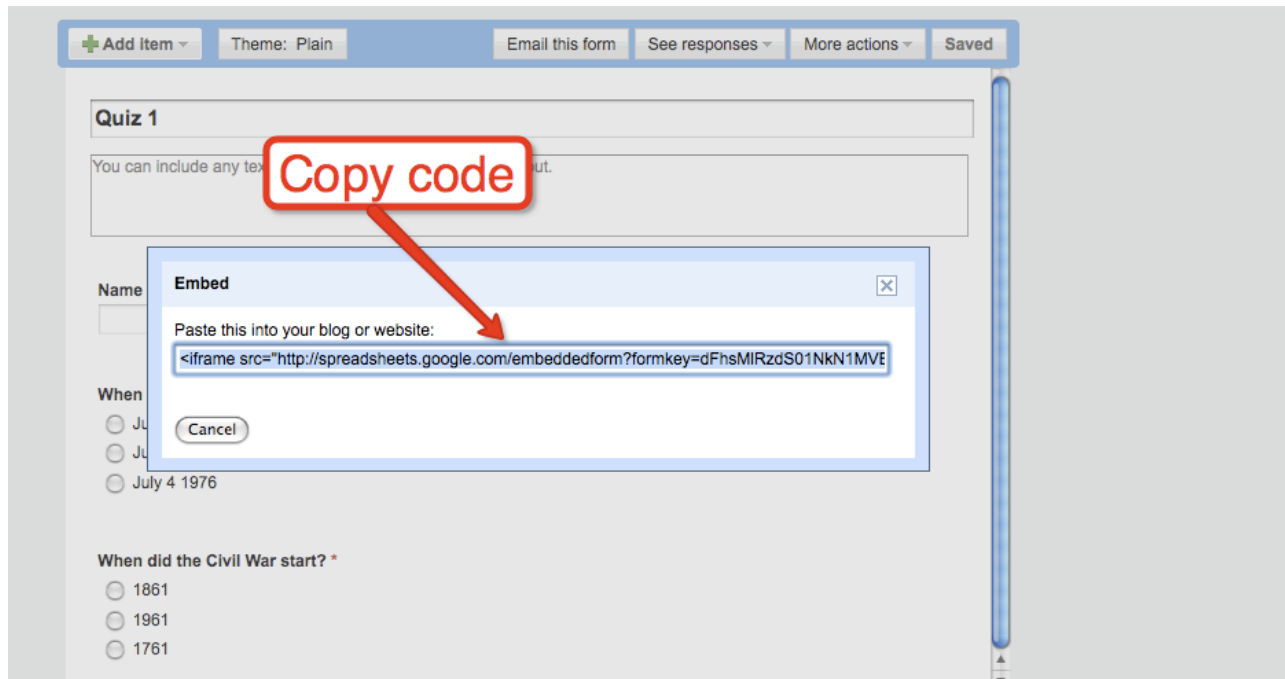
This screenshot shows the 'Add Item' dropdown menu in a Google Form. The menu is open, showing options like 'Text', 'Paragraph text', 'Multiple choice', 'Checkboxes', 'Choose from a list', 'Scale', 'Grid', 'Other', 'Section header', and 'Page break'. A red arrow points to the '+ Add Item' button at the top left of the menu. A red-bordered box with white text says 'Select "add item" to add more questions.'

This screenshot shows a Google Form titled 'Quiz 1'. The 'More actions' dropdown menu is open, showing options like 'Embed' and 'Edit confirmation'. A red arrow points to the 'More actions' button. A red-bordered box with white text says 'Select "embed" to get code for placing form into blog or website.'



# How to Create and Publish a Quiz Using Google Docs.

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



**Edit width and height to fit in your blog's main column.**



**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 <span style="float: right;">Ctrl+Shift+K</span></p> <p>Done spelling</p> <p>Language (for spelling) <span style="float: right;">▶</span></p> <p>Word count... <span style="float: right;">Ctrl+Shift+C</span></p>	
<p>Look up word <span style="float: right;">▶</span></p> <p>Search the web for word <span style="float: right;">▶</span></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 <span style="float: right;">✕</span>		
<b>Counts</b>	<b>Selection</b>	<b>Document</b>
Words:	-	566
Characters (no spaces):	-	2922
Characters (with spaces):	-	3487
Paragraphs:	-	3
Sentences:	-	34
Pages (approximate):	-	2
<b>Readability</b>	<b>Selection</b>	<b>Document</b>
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: <a href="#">?</a>	-	50.33
Flesch-Kincaid Grade Level: <a href="#">?</a>	-	10.00
Automated Readability Index: <a href="#">?</a>	-	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] [background color] [text color] [font size] [bold] [italic] [underline] [link] [unlink] [insert link] [insert image] [insert table] [insert video] [insert audio] [insert iframe] [insert html] [insert code] [insert table of contents] [insert table of contents]

**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.**

**Edit Gadget** [Help](#) X

Range

Number of header rows

Number of words

Text color

Fade colors?

Words to ignore

Search URL

\* required

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:



# 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

Yesterday Labor Secretary Hilda Solis discussed her

DipNote blog tells us about the annual International Women of Courage Awards -- and will allow you to watch the ceremony live at 3:00:

Copy HTML and paste into your blog/website.

Select publish gadget.

**Publish Gadget**

Paste this into any HTML page:

```
<script src="http://spreadsheets.google.com/gpub?url=http%3A%2F%2Fggbfa4rgl26lu5u0nimmdcne8rkqg644.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>
```

Done

Publish Gadget...

Add Gadget to iGoogle...

Delete Gadget

Get query data source url...

Get Gadget XML

About this gadget...

Move to own sheet...



# 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  Search 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.

Traffic More... Map Satellite Terrain  Show labels

©2010 Google - Imagery ©2010 TerraMetrics. Map data ©2010 LeadDog Consulting, Google, TeleAtlas, INEGI - Terms of Use



# 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 displayed in a standard view, with a scale bar at the bottom left indicating 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, TeleAtlas, 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](#)

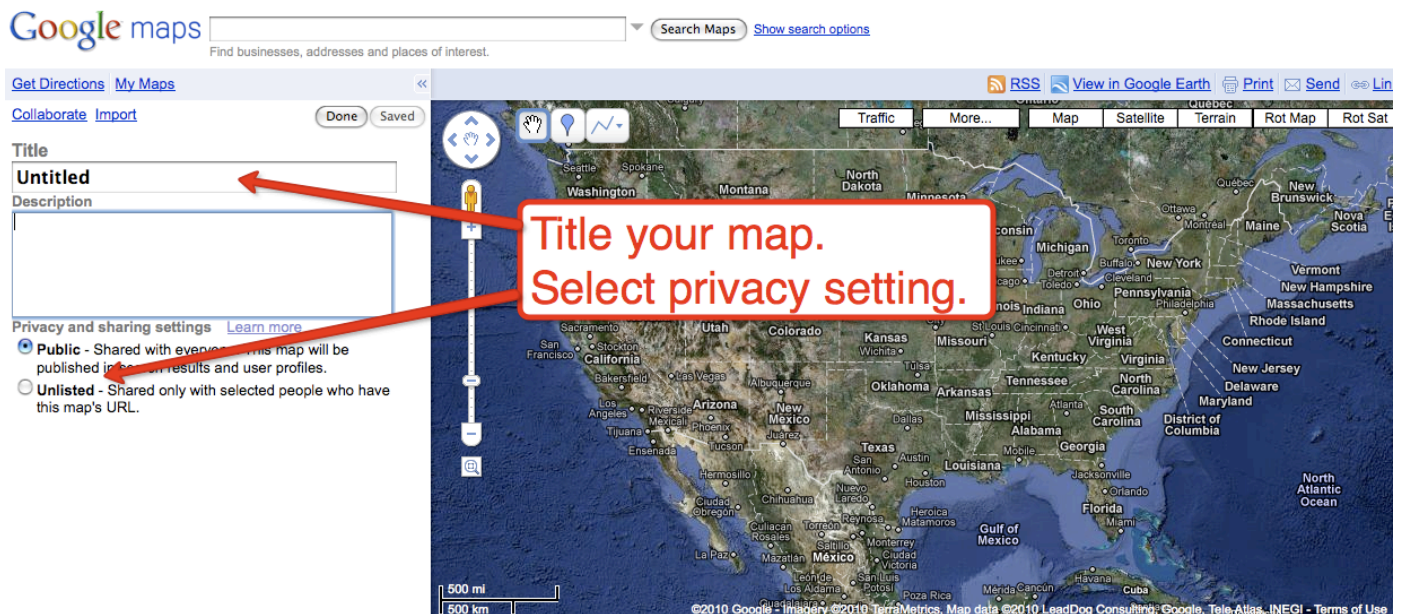
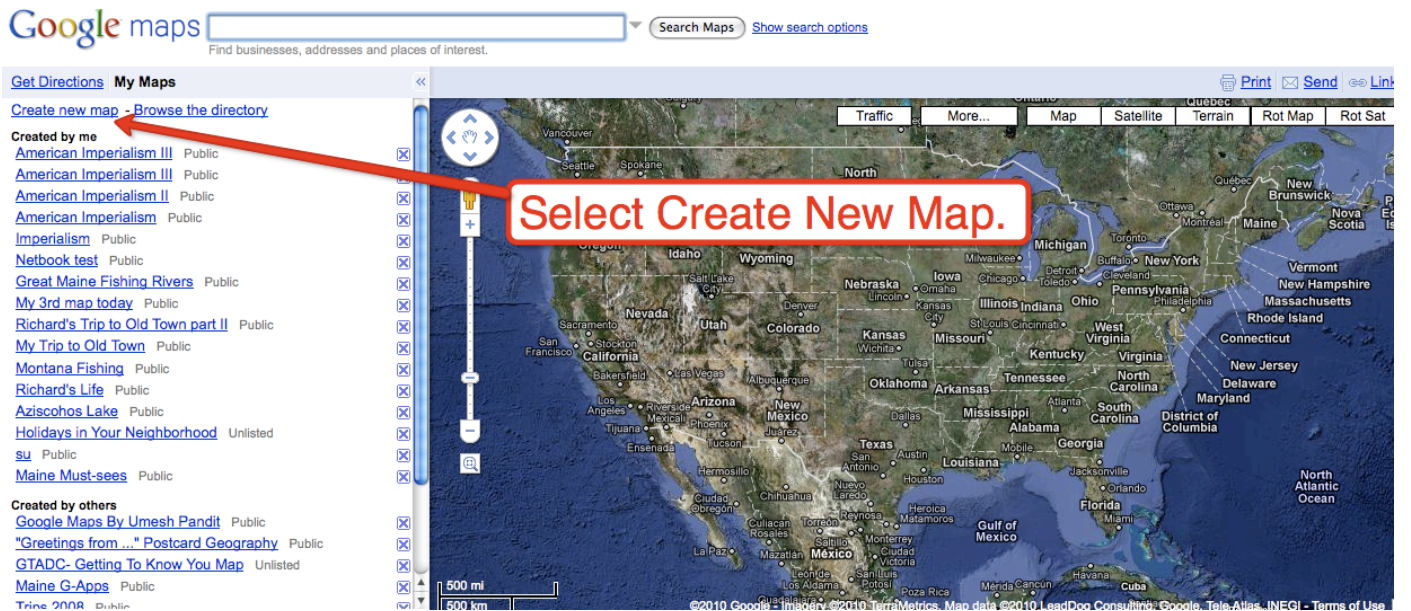
After signing in, select My Maps.

©2010 Google - Imagery ©2010 TerraMetrics. Map data ©2010 LeadDog Consulting, Google, TeleAtlas, INEGI



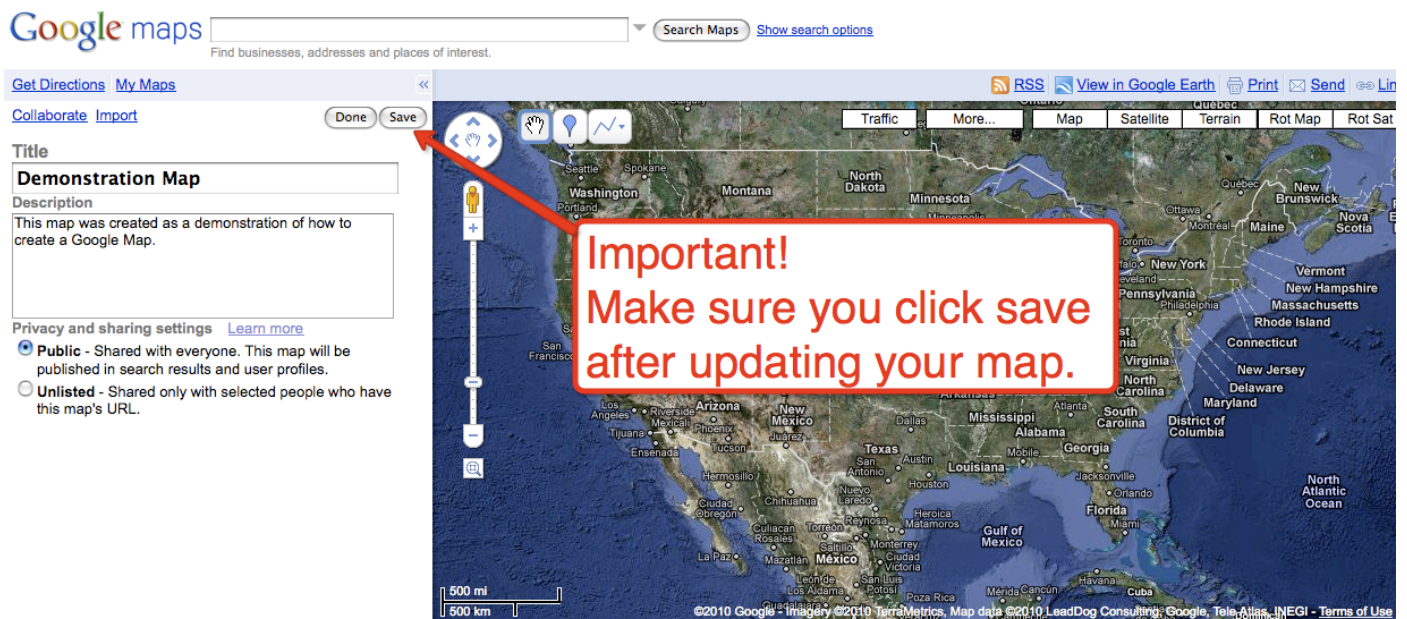
# How to Create and Save Placemarks in Google Maps

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

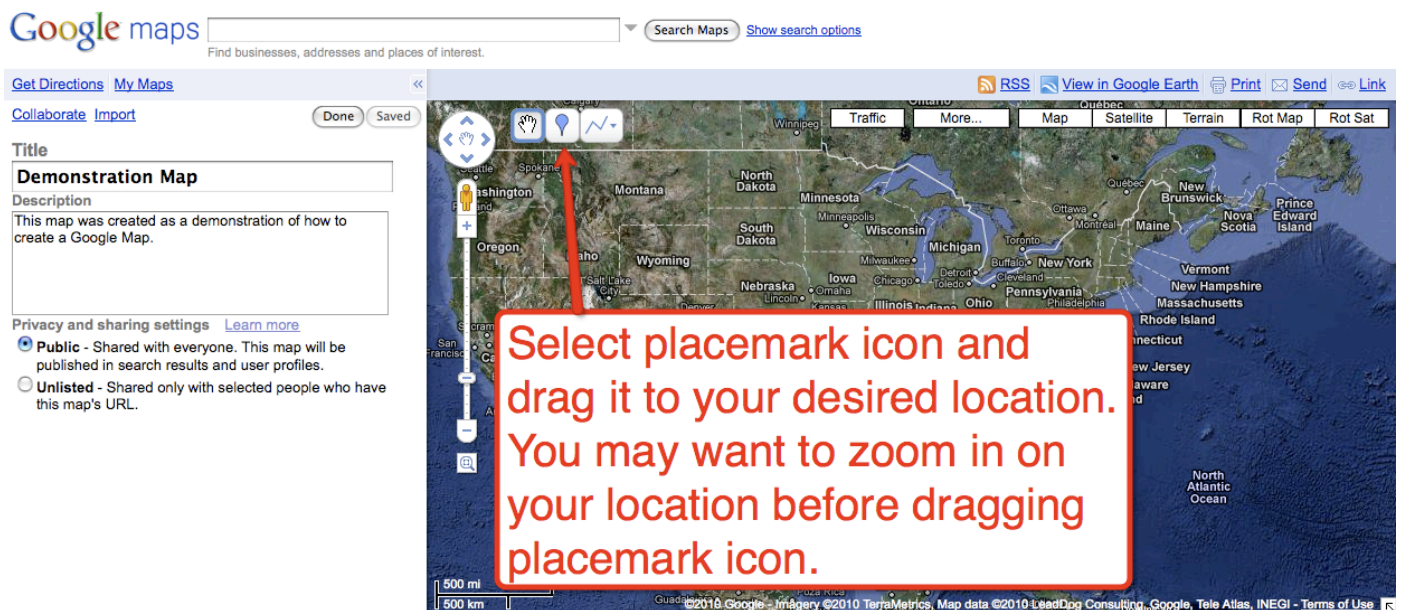




# How to Create and Save Placemarks in Google Maps



## 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

**Title placemark.**  
**Select "Rich Text" to edit font style, insert links, and insert images.**

## Step 7 - Inserting videos from YouTube

**Select "Edit HTML" to insert a video.**  
**Copy the embed code from YouTube and paste into form.**



# 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.**

Google maps  Search Maps [Show search options](#)

Find businesses, addresses and places of interest.

Get Directions My Maps

Collaborate Import

Done Save

Title: Kennebago Lake

Description: [Plain text](#) - [Rich text](#) - [Edit HTML](#)

value="always"></param><embed src="http://www.youtube.com/v/CpV8PP1vepE&hl=en\_US&fs=1&rel=0&color1=0x3a3a3a&color2=0x999999&border=1" type="application/x-shockwave-flash" allowscriptaccess="always" allowfullscreen="true" width="500" height="315"></embed></object>

Delete Cancel OK

**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.**

Google maps  Search Maps [Show search options](#)

Find businesses, addresses and places of interest.

Get Directions My Maps

Collaborate

Edit

Demonstration Map

This map was created as a demonstration of how to create a Google Map.

0 views - Public

Created on Mar 29 - Updated < 1 minute ago

By [Richard](#)

[Rate this map](#) - [Write a comment](#)

Kennebago Lake

This is the largest fly-fishing only lake in Eastern United

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

YouTube

0:00 / 4:48

Directions Search nearby Save to... more

*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.

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