

Technology and the Research Process

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Introduction

I have to write a
research paper.
Where do I even
begin?



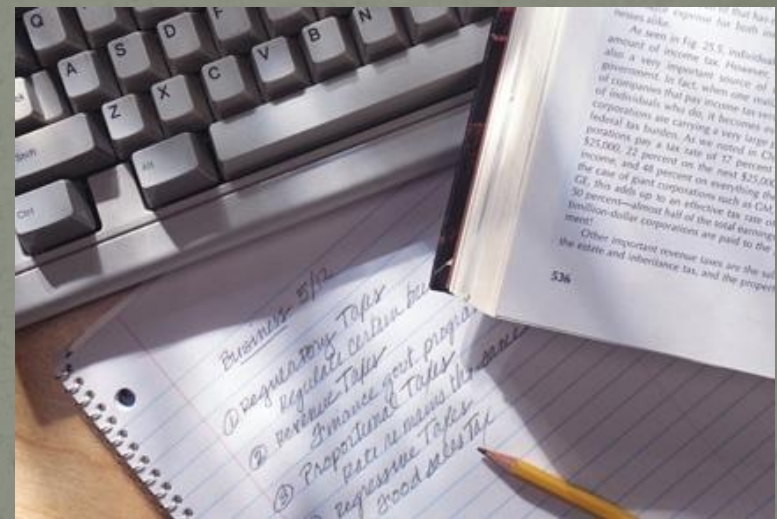
You may have felt like Terri before, but research projects aren't really that tough if you know the **research process**.

Introduction

Research means finding information. The **research process** is a set of steps that help you look for and use information about a topic that you choose.

In this presentation, you will

- discover the **steps of the research process** ▼
- learn about some **technology tools** that can help with your research



The research process

The first step of the research process is to **choose and focus your subject**. Think about subjects that really interest you or about which you are curious. ▼

the Great Wall of China?



the Eiffel Tower?



the Egyptian pyramids?

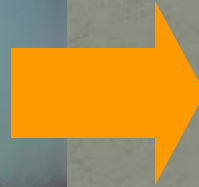


The research process

Next, **narrow your subject** to one focused topic that you can cover well. ▼



Egyptian pyramids



construction of the
Egyptian pyramids

The research process

Ask yourself some important questions before you begin to research your topic. ▼

- **What is my purpose** for doing this research? What am I trying to learn? ▼
- **Who is my audience?** What will they want to know about my topic? ▼

The answers to these questions will help you stay on track as you continue through your research process.

The research process

Next, **figure out what you need to know**. You might try the 5 *W-How* questions: ▼

Who built the pyramids?

What did the people use to lift the heavy stones?

When were the pyramids built?

Where did the stones for the pyramids come from?

Why were the pyramids built?

How did the builders make the sides so straight?

Remember to stay focused on your topic.

construction of the Egyptian pyramids



The research process

Now it's time to **begin your research**. Where should you look for information about your topic? ▼

To find **sources of information**, you can

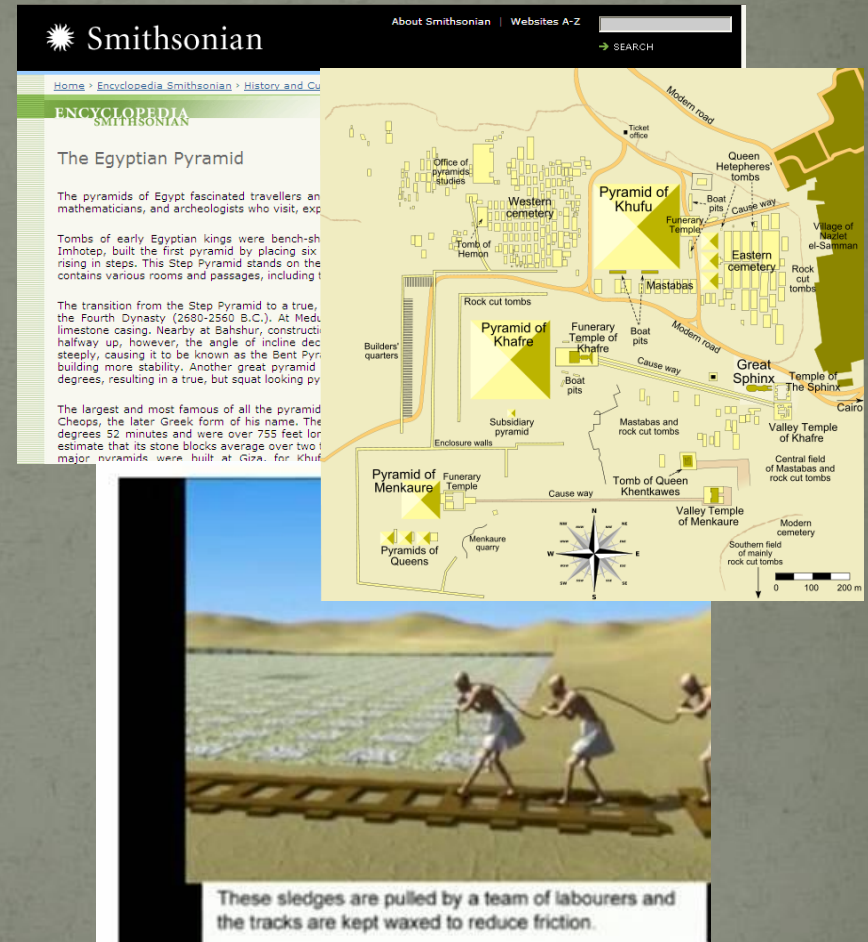
- go to the library ▼
- talk to experts on your topic ▼
- search on the Internet



The research process

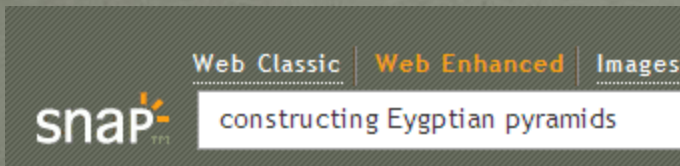
Internet **search engines** and **online databases** can help you locate many different types of sources, including:

- books
- magazine articles
- blogs by experts
- DVDs
- Web pages
- video clips
- collections of images
- audio clips



Tech Tool: Search Engines

Search engines help you find your way around the massive amount of information stored on the Internet.



WEB SEARCH RESULTS

1-8 of 34

1. Events & Shows - Television
Events & Shows - Television Home | Subscribe | News | Shop | TV | Events | Links | Contact | Free Info | Advertise | Search A publication of the ...
www.archaeology.org
2. Virtual-Egypt - The Egyptian People's Papyrus
Virtual-Egypt - The Egyptian People's Papyrus GALLERIES » General » Hieroglyphics PHOTO TOURS » Abu Simbel » Karnak » ...
www.virtual-egypt.com
3. Civilization.ca - Egyptian civilization - Architecture
Civilization.ca - Egyptian civilization - Architecture QUICK LINKS Home page Archaeology Arts and Crafts Civilizations Cultures First Peoples History ...
www.civilization.ca
4. Egyptology News

Web Results 1-5 of 13,388 for constructing egyptian pyramids

1. The Construction of the Pyramids
An illustrated guide to the construction, architecture and the evolution of the design of the pyramids from the Egyptian Ministry of...
www.touregypt.net/construction/
2. Wonders of the African World - Classroom
..... the Egyptian Pyramids, http://www.d... Performance-based product:
www.pbs.org/wonders/Classroom/lesson1.htm - Cached
View 1 related results
3. Egyptian Pyramids
This site from Gander Academy is designed for P & E students and teachers and presents a series of web pages on egyptian pyramids.
www.stemtelink.ca/CITE/egypt_pyramids.htm
4. History: Egyptian Pyramids
... people mention Ancient Egypt the first thing that comes to mind is the Pyramids. ... The daily life of the workers constructing the ...
www.cyberessays.com/History/63.htm

This is a Preview of:
www.touregypt.net/construction/



Report a problem with this image Rate This Result: Perfect | Junk
Go to Site

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Techool: Online Databases

Another way to look for answers is by using **online databases.**

Online databases are collections of information that you can't always find by using a search engine.

The screenshot shows a web browser window with the URL <http://www.archaeology.org/cgi-bin/perfect/search/search.pl?q=egypt>. The page header features the "ARCHAEOLOGY" logo and the tagline "A publication of the Archaeological Institute of America". A navigation bar includes links for HOME, SUBSCRIBE, NEWS, MARKETPLACE, TV, EVENTS, NEW YORK, LINKS, CONTACT, FREE INFO, ADVERTISE, and SEARCH. The search results section, titled "Your search for *egyptian pyramid construction* resulted in 11 matches:", lists 11 items with titles, brief descriptions, and upload dates. The items are: 1. [How to Build a Pyramid](#) (Hidden ramps may solve the mystery of the Great Pyramid's construction. File last uploaded: 2007-04-03), 2. [Ten Thousand Men, One Million Stone Blocks, and a Couple of Sleds](#) (A new series examines how ancient cultures constructed colossal monuments. File last uploaded: 2006-09-28), 3. [Dating the Pyramids](#) (The ancient Egyptian society and economy left the pyramids as hallmarks for all later humanity. File last uploaded: 2004-04-12), 4. [Bosnian 'Pyramids' Update](#) (Growing questions and increasing criticism, geological grandstanding, UNESCO, and more. File last uploaded: 2006-06-27), 5. [Secrets of the Pharaohs: Part 2](#) (PBS broadcasts the secrets of the pharaohs a three-episode series looks at old disputes and new evidence. File last uploaded: 2004-04-06), 6. [City of the Dead](#) (The vast Egyptian necropolis of Saqqara is now emerging from the shadow of Giza and the Valley of the Kings. File last uploaded: 2006-04-12), 7. [Egyptomania News](#) (Several discoveries were announced at the Eighth International Congress of Egyptologists held in Cairo. File last uploaded: 2004-04-26), 8. [Tribute to a Conquering King](#) (Battle scenes at Abydos honor a pharaoh's triumph over Hyksos occupiers and his reunification of Egypt. [abstract] File last uploaded: 2006-01-23), 9. [Books: Editors' Picks](#) (January/February 2002 Editors' Book Picks. File last uploaded: 2004-04-08), 10. [At the Museums: Egypt in America](#) (A quartet of shows celebrates the art of the pharaohs [abstract] File last uploaded: 2006-01-23), and 11. [Next](#). At the bottom, there is a search bar with the text "Search again: Match ALL words" and a search button. The page footer indicates "Page 1 of 2" and "Search index updated: 2007-12-14 07:32". On the right side, there is a "CURRENT ISSUE" section featuring the cover of the December 2007 issue of Archaeology magazine, titled "Nefertiti's SECRET". Below this is an "ONLINE CONTENT" section with links to "Exclusive Features", "Latest News", "Interactive Digs", "Reviews & Shows", and "Interviews". At the bottom right, there is a "Archaeology.org e-Update!" section with a sign-up link.

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search

Your search for *egyptian pyramid construction* resulted in 11 matches:

1. [How to Build a Pyramid](#)
Hidden ramps may solve the mystery of the Great Pyramid's construction.
File last uploaded: 2007-04-03
2. [Ten Thousand Men, One Million Stone Blocks, and a Couple of Sleds](#)
A new series examines how ancient cultures constructed colossal monuments.
File last uploaded: 2006-09-28
3. [Dating the Pyramids](#)
The ancient Egyptian society and economy left the pyramids as hallmarks for all later humanity.
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Search again: Match ALL words Search

Page 1 of 2
Search index updated: 2007-12-14 07:32

CURRENT ISSUE

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Nefertiti's
SECRET

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What is the research process?

It's very important to keep track of where you get your information, so be sure to **make a list of the sources** you find. ▼

To make your note taking easier, give each source you use a number. ▼

Sources

1 Morrison, Dan. "Great Pyramid Built Inside Out, French Architect Says." National Geographic News. 02 April 2007. 18 July 2007
<<http://news.nationalgeographic.com/news/2007/04/070402-great-pyramid.html>>.

The research process

You'll need to **make notes** of the most important information about your topic. ▼

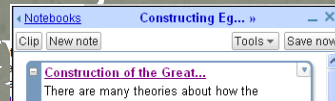
1 Ramp theory

Jean-Pierre Houdin, a French architect, believes that the Egyptians built the Great Pyramid of Giza by constructing a ramp that wound around the outside of the lower part of the structure and then used an internal ramp to complete the higher sections. ▼

Match the information in your notes with the number of the source in which you found it.

Techool: Google Notebook

One tool that might help you with note taking is Google Notebook. This tool allows you to copy and paste information from the Internet right into your Google Notebook just by clicking it. You can also type your own notes.



What is the research process?

You'll also need to **organize the information** you've found and **write a main idea statement.** ▼

Your main idea statement expresses the one big idea that you want your readers—or viewers or listeners—to understand about your topic.

Without the help of modern machinery, Egyptians used huge blocks of stone to build amazing pyramids as burial sites for the pharaohs.

The research process

It's time to write! **Create a draft** of your research project based on your notes and your organizational plan.



Then **evaluate and revise your draft**, paying attention to



- the quantity and quality of your information ▼
- the organization of your information ▼
- the use of correct grammar, spelling, and punctuation

The research process

Finally, **publish your research** in a form that is appropriate for your purpose and your audience.

Here are just a few forms you might create:

- a written report
- a multimedia presentation
- a Web page
- a video

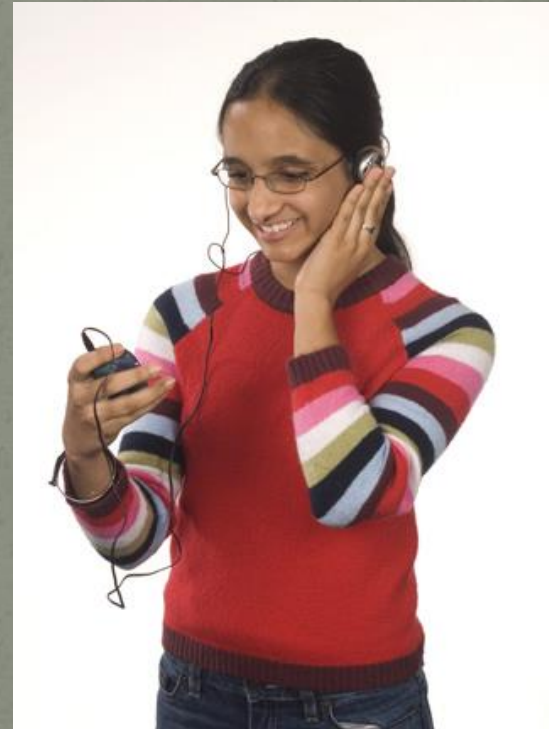


Tech Tools Podcast

Another popular way to publish your work is as a **podcast**.



A podcast is an audio file that is recorded and posted to the Internet. Listeners can download these files for free from online services.



The research process

Research
project on
the
Egyptian
pyramids?



No
problem!

Terri is now ready to get to work on her assignment. Learning about the research process has made her task much more manageable. ▼

Talk About It

Discuss these questions with your classmates. ▼

1. Have you used any of these technology tools before?

- search engines ▼
- online databases ▼
- Google Notebook ▼
- podcasts ▼

2. If so, how did you use them? ▼

3. How might these technology tools make research easier for you?

Your Turn

The purpose of a research project is to find information and share it with others. Use a piece of paper or a computer to complete the following three steps.

1. Think of an interesting research topic and write or type it at the top of your page.
2. List three possible sources that you might use to locate information on your topic.
3. Write three ways you could share the information you find with others.

Your Turn

1. An interesting research topic would be:
2. Possible resources I could use to find information are:
 -
 -
 -
3. I could share my information by:
 -
 -
 -

The End