

Why research?

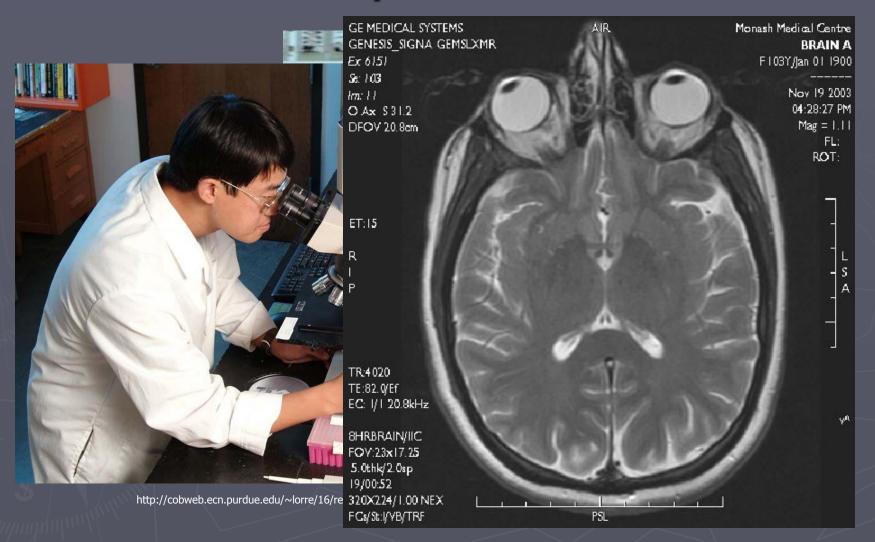


http://eslingo.files.wordpress.com/2007/08/bridge6.jpg

Research...

- ► IMPROVES OUR LIVES
- MAKES LIFE MORE FUN
 - MAKES LIFE EASIER
 - **KEEPS US HEALTHY**
- ► HELPS US DO THE UNIMAGINEABLE
 - GIVES US HOPE

Why research?



How do you begin?

- Reading will spark your interest.
- Reading will lead you to new ideas.
- Once you're curious about something you must begin listing specific questions that come to your mind
- After a lot of thought and reading you should be ready to formulate your special question – Scientific Problem.

Step 1 - Topics

- Roughly define your area of interest.
- Pick 3 topics that interest you.
- Describe why they interest you.
- List key words that are specific about your topic.
- Scan your key words on the internet with a search engine or in books.
- Read at least 3 sources for each topic.
- Only trust .org, .gov, and .edu sites.

Check Step 01 Key Words

TT	Mala lists of las	u uranda hu tania an	nd read more about them by using a searc
	e (i.e. google).	y words by topic an	id read more about them by using a searc
	CO2 Sources		
	Indoor	Outdoor	Natural
	Levels	Danger	symptoms
	Cla	assroom	
III	After reading abo	out your most interes	ting topic write down specific questions th

- Next, you should've filled out the key word box on the back of Step 01.
- These words will be important next.

How do I search for journal articles and keep a chronogram?

Step 01 - Questions

- Develop questions about the your most interesting topic using your key words.
- Make sure your questions are not unrealistic, too specific, or too easy.
- Look for experienced people who can help you with your topic and discuss your questions.
- Make sure you know whether your questions have already been studied.
- Refine your questions as necessary.

Step 01 - Tasks

- One you have a good idea of what you want initially research you need to set tasks for yourself.
- The closer you get to your topic target the more you have to read - back ground hunting.
- Search the library, internet, teachers, or other sources for more background information.

Steps 02 + 03

- In Step 02 you will write down the information necessary about your reference so that you can later build a complete bibliography.
- ► In Step 03 you will outline and/or summarize the reference with pertinent information you will need for your project.

Once you've got information...

- Begin reading it.
- Write down words and ideas you don't know on paper.
- Look up the words or ideas (i.e. on wikkipedia, dictionaries, textbooks, e-mail professionals, etc.)
- Check the bibliography for further readings.

What to do with the info...

- ▶ Outline it.
- Discuss it.
- Get ideas from it.
- Begin to formulate tasks and objectives.

RESEARCH STEPS

BASIC

- Observation
- Question/Problem
- Hypothesis
- Procedures
- Materials
- Project Execution
- Data Analysis
- Project Presentation

DEFINE

- ► Time Chronogram.
- Dependant Variables
- Independent Variables (Treatments)
- Constants
- Replicas
- Random Organization

SCIENTIFIC PROBLEM

- ►In the form of a question, your Scientific Problem *is* your guiding light
- You must have in the back of your mind at all times during your project