Check list for LANG 2010

Before you start your case study, think about "what you really need to find". Ask yourself these questions:

1. Which hazard will I choose for the case study? A list of examples are available from the PreventionWeb (http://www.preventionweb.net/english/hazards/)

   Example: Tsunami

2. Based on the chosen hazard, what is the background / history of the problem? What research could be used to analyze the problem?

   Example: On 26th December 2004, the Indian Ocean was struck by a massive earthquake and tsunami which killed 230,000 people and caused widespread destruction. Although we cannot prevent tsunamis, early warning of their approach combined with physical defences and well-practiced evacuation procedures can save many lives.

3. What scientific knowledge could be used to solve / prevent / mitigate against the problem? What is the desirable outcome?

   Example: Electronic sensors were developed that could rapidly detect earthquake shaking on land and tsunami waves at sea. Computer models were developed that simulate tsunami impacts on communities; and satellites could now transmit signals to high-speed computers, empowering humans to issue local and pan-oceanic tsunami warnings in minutes.

4. Which information sources will I use to find evidence to support my research?
   o Encyclopedias
   o Scholarly Journal Articles
   o Facts and Statistics
   o News Articles
   o Science Talk / Videos
   o Others: _______________________________
5. What are the tools should I use to find information in question 4?
   - PowerSearch
   - Library Databases
   - Google / Google Scholar
   - Others: _______________________________

After you search Google, Library Databases or other tools, you will need to make decision which sources from the search result should I select to support my research.

1. Criteria for selecting sources from the search results:
   - The authors are experts in the subject area?
   - Sources are published recently?
   - Sources are published in scientific journals or trade journals?
   - Sources are published by government/reputable organizations?
   - Sources are listed top in the search results?
   - Article title and summary (or 1st paragraph) look relevant and interesting?
   - Sources provide evidence and references/bibliographies?

When you write your case study report, see if you can state:

My proposed solution to the chosen hazard is based on the following scientific principles / theories:

a. ____________________________________________________________________________, which is supported by the source(s)__________________________________________________________

b. ____________________________________________________________________________, which is supported by the source(s)__________________________________________________________

c. ____________________________________________________________________________, which is supported by the source(s)__________________________________________________________

d. ____________________________________________________________________________, which is supported by the source(s)__________________________________________________________

e. ____________________________________________________________________________, which is supported by the source(s)__________________________________________________________