



Relating Chemistry to Technology, Society and the Environment, SCH 3U1

You are to research one of the following topics in a Canadian context, using Canadian statistics and Canadian studies (if possible). Once you have researched the topic, identify and take a position on an issue related to your topic that will demonstrate how the application of chemistry has impacted on technology, society and/or the environment. The impact can be in a positive or a negative manner.

Create a comic book or a BOLDPRINT book that relates your research and your message. Your comic book will be displayed at the school "book fair" on *Month, day, year*.

Topics

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|---------------------------------|---------------------------------|
| ▪ acid rain | ▪ metal mining and refining |
| ▪ global warming | ▪ air pollution |
| ▪ greenhouse gases | ▪ water quality |
| ▪ nuclear waste | ▪ fertilizers |
| ▪ fossil fuels | ▪ pesticides |
| ▪ polymers | ▪ CFC's |
| ▪ fuel cell | ▪ air bags |
| ▪ Montreal Protocol: Then & Now | ▪ water purification |
| ▪ artificial sweeteners | ▪ "Green" cleaners |
| ▪ chemical food additives | ▪ pharmaceuticals |
| ▪ chemotherapy | ▪ cosmetics |
| ▪ landfill leachates | ▪ LifeStraw |
| ▪ agricultural runoff | ▪ chemical spill |
| ▪ air quality | ▪ Alberta Tar Sands |
| ▪ non-stick cookware | ▪ PABA in sunscreen |
| ▪ DEET in insect repellents | ▪ Ontario's Drive Clean Program |



The software ComicLife is available on the school computers for you to design your comic with after you have finished your research.

To help you get started, here are a few credible sources of information:

<http://www.ec.gc.ca/cleanair-airpur/default.asp?lang=En&n=8C3F7D55-1>

<http://www.ec.gc.ca/default.asp?lang=En&n=9FF9C192-1>

<http://www.nrcan-rncan.gc.ca/com/subsuj/minmin-eng.php>

<http://www4.agr.gc.ca/AAFC-AAC/display-afficher.do?id=1166717071446&lang=e>

http://cansim2.statcan.ca/cgi-win/cnsmcgi.pgm?Lang=E&SP_Action=Theme&SP_ID=1762

Your last page of your comic book should be the bibliography. However, instead of calling it the bibliography your heading should read "For more information", and have the appropriate subheadings (books, articles, websites, etc.)

The following is a list of sites that can help with actually creating the comic book:

http://www.readwritethink.org/lesson_images/lesson195/comic-strip-planning.pdf

http://www.readwritethink.org/lesson_images/lesson195/comic-strip-rubric.pdf

<http://www.readwritethink.org/materials/comic/index.html>

http://www.readwritethink.org/lesson_images/lesson223/plot_mountain.pdf

If you wish to know what a BOLDPRINT book is, you can find the information at the following sites:

http://www.learningthroughliteracy.com/resources_boldprint.shtml

