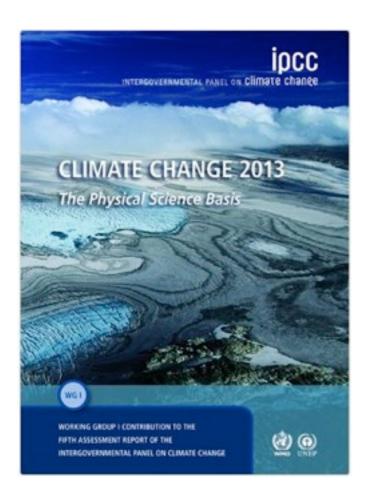
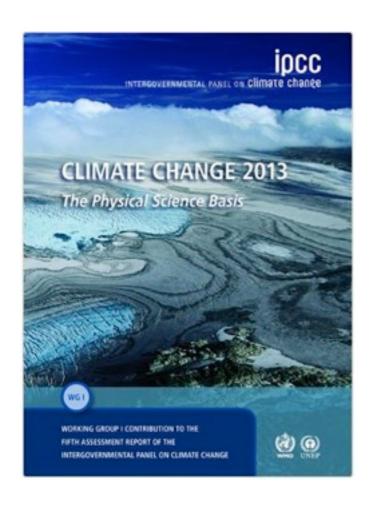
MSSTA SAGE 2013

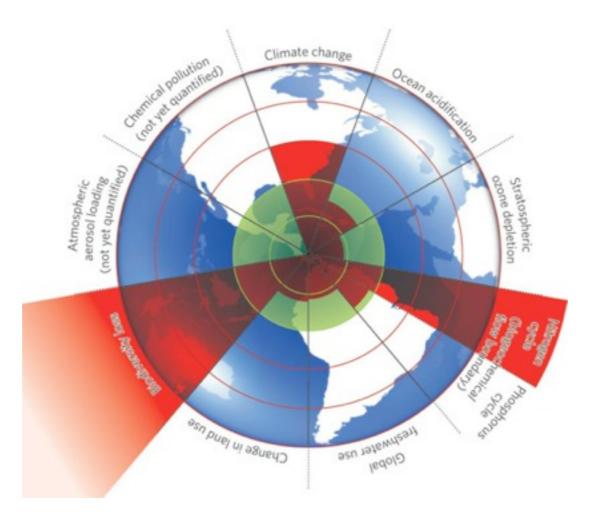
Matt Henderson

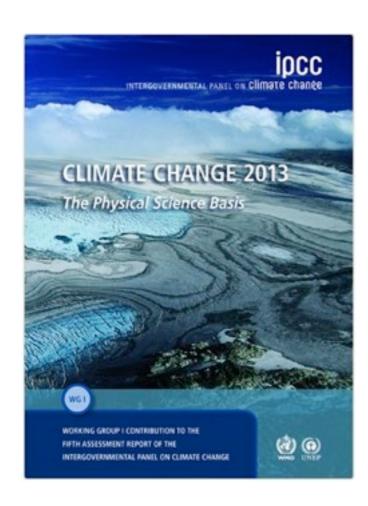
@Henderson204

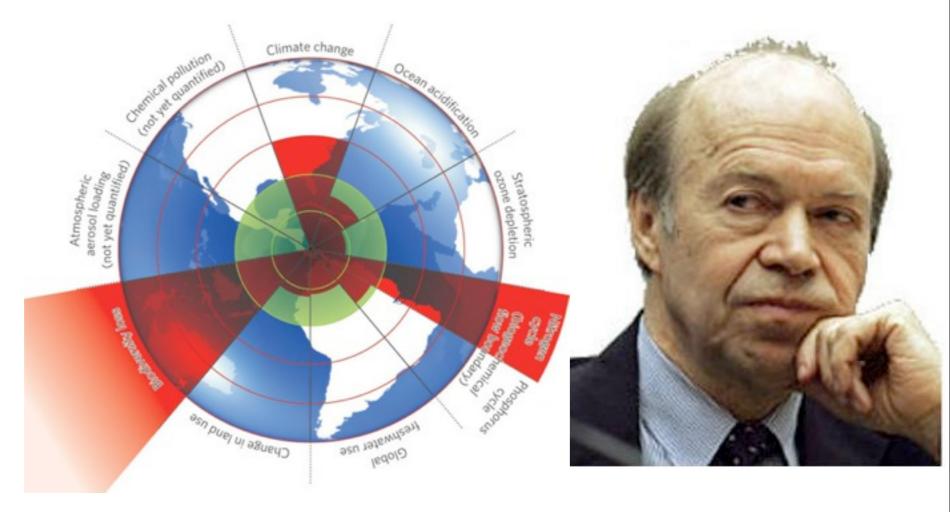


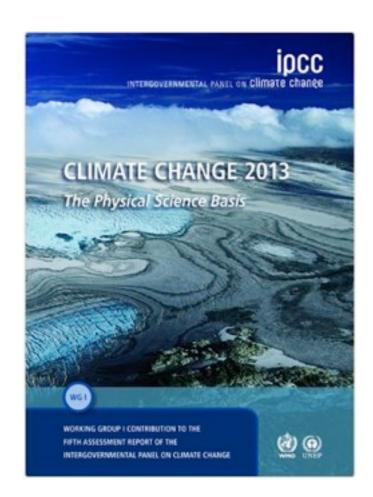


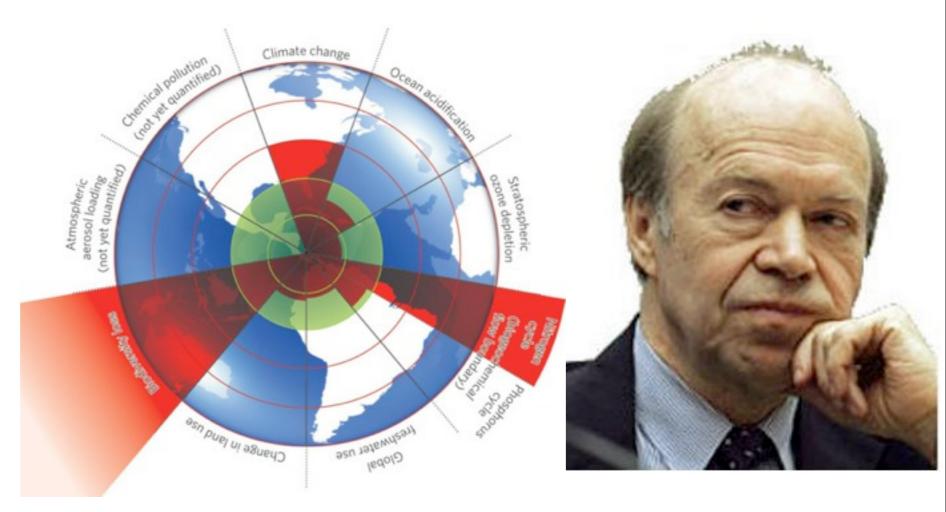












"The exponential growth of human activities is raising concern that further pressure on the Earth System could destabilize critical biophysical systems and trigger abrupt or irreversible environmental changes that would be deleterious or even catastrophic for human well-being." (Rockström et al, 2009).

The Gap





"We know the (ecological) catastrophe is possible, probable even, yet we do not believe it will really happen." (Zizek, 2011, p. 328)



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The Question

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What is the purpose of education?

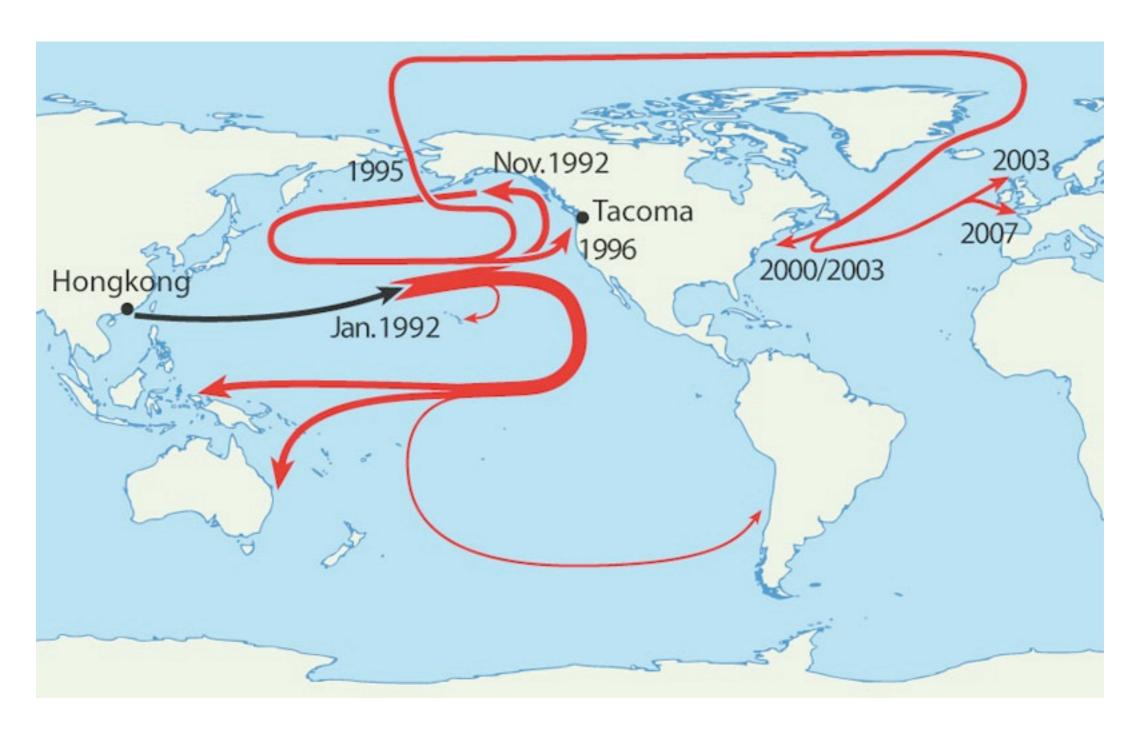
The Question

What is the purpose of education?

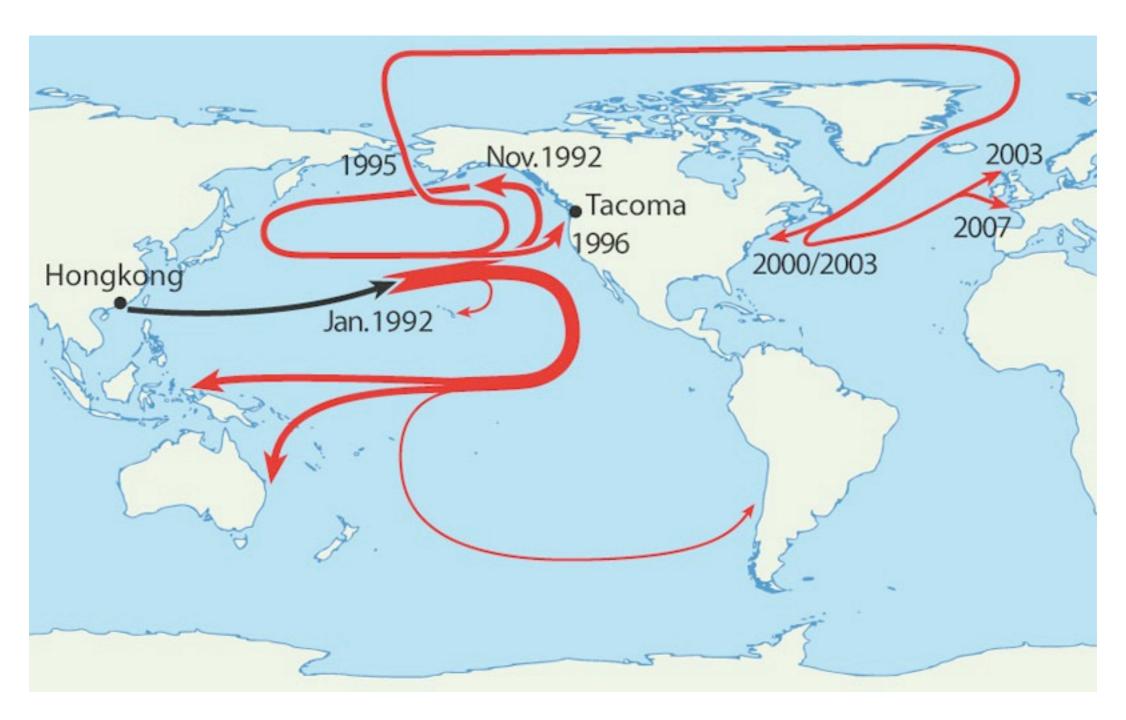
How do we begin to close this gap?

Rodrigo's Question

Rodrigo's Question



Rodrigo's Question

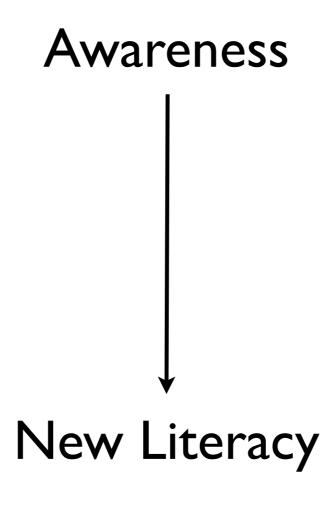


"If I am a person who really wants to help the environment, then why do I do things like use plastic cups when I know that it is bad."



Awareness

New Literacy



Ecological Literacy

Ecological Literacy

Systems Thinking

Ecological Literacy

Systems Thinking

Experiential Education

• Education for sustainability or ecological literacy means to teach ecology in depth, in a systemic and multidisciplinary manner (Duailibi, 2006).

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- Our ability to understand the basic principles of ecology and to live accordingly (Capra, 2012).

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- Our ability to understand the basic principles of ecology and to live accordingly (Capra, 2012).
- Students understand the natural systems that sustain life on earth and apply the principles guiding ecosystems to help create sustainable human communities (Manitoba Education, 2011).

Living systems and relationships are used as the perspective for sense-making. When this type of thinking is employed, we no longer deal with linear causal relationships, but deal with the larger contexts which these relationships engage.

"...living systems are nonlinear - they are networks - while our scientific tradition is based on linear thinking, chains of cause and effect" (Capra, 2007, p. 11).

As a species dependent on the land and all systems, humans used to think in this manner - that we were part of a larger system (Miller, 2007, p. 4).

Photo from www.fritjofcapra.net

• From structure to process:
Systems develop and evolve. This shift is embodied in project-based learning, which emphasizes the application of knowledge within evolving real-life contexts (2007, p. 12).

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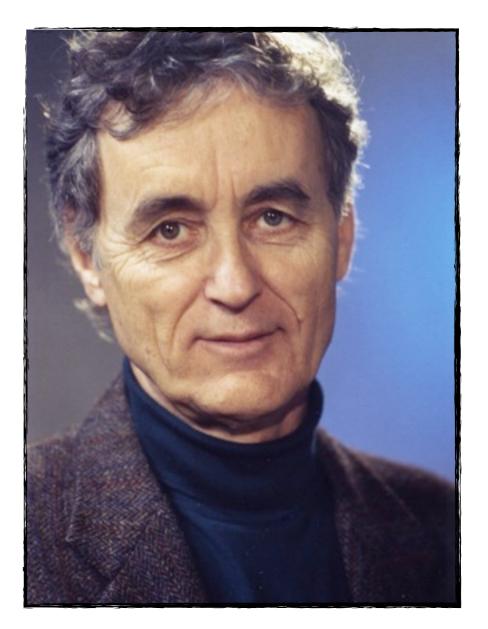


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Experience



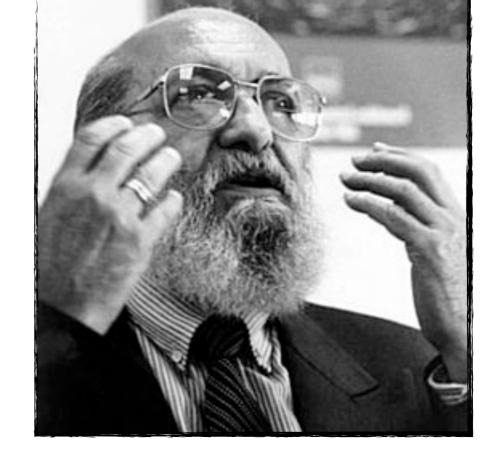


Photo from: http://dewey.pragmatism.org/dewey.gif

http://www.pedagogyoftheoppressed.com/wp-content/uploads/2010/04/paulo-3.jpg

Experience



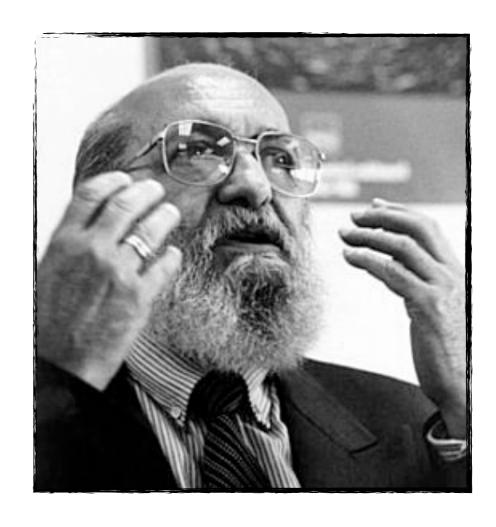


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http://www.pedagogyoftheoppressed.com/wp-content/uploads/2010/04/paulo-3.jpg

"Real learning is participatory and experiential..." (Orr, 1992)

Types of Experience

Types of Experience

Experience as Disequilibrium

Types of Experience

Experience as Disequilibrium Experience as Event

Types of Experience

Experience as Disequilibrium
Experience as Event
Experience as Further Action

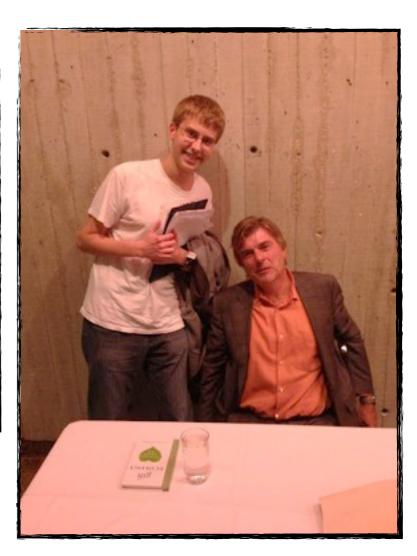














Silas K. - I would disagree with Wade, and say that we are underpaying for many of the products that we enjoy today. The rest of the cost is paid for by others, like child workers in third world countries who are being paid less than minimum wage so that the products here are cheaper, or like the forest that would be cheaper to harvest lumber from, even though doing so would destroy the precious habitats of animals. This is exactly what it means to live in a society that is not sustainable, because when we let others (like the environment) pay for the cost of the products that we are consuming, we damage everything around us, and will eventually reap the rewards. The main point of the articles here I think, and the connection between them, is that consumerism, and being wealthy, doesn't necessarily lead to happiness, and that it does lead to other bad things. So if happiness is the goal, and consumerism doesn't make us happy, how can we change society to value the important things in life, instead of money?

Oct 22, 2012



Me - Silas - I think you just nailed it. You should watch a doc called "Last Train Home." It describes who we deem "disposable." Wow.

Oct 22, 2012

Experience as Event

Experience as Event

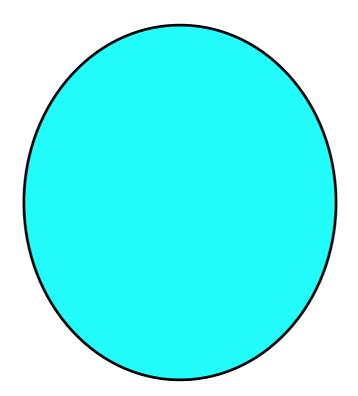


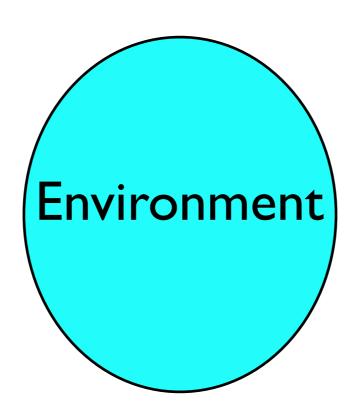
Experience as Action

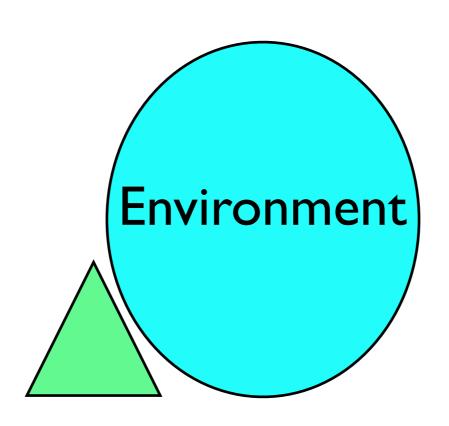
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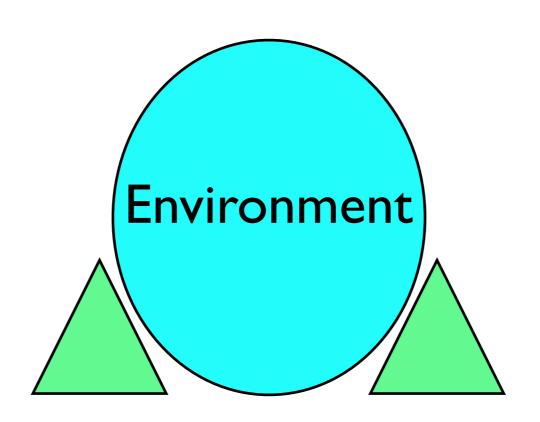


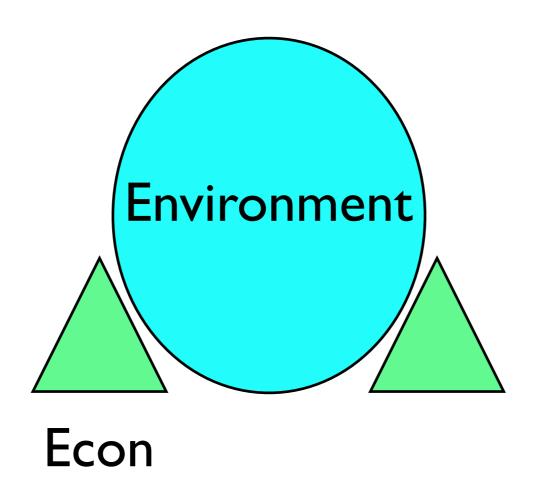


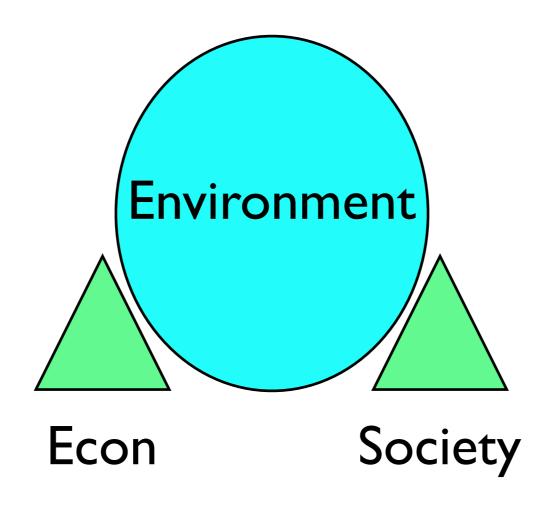
















Friday, 25 October, 13



Test your observational skills.

Look closely at this image and compare it to the one on the following page.



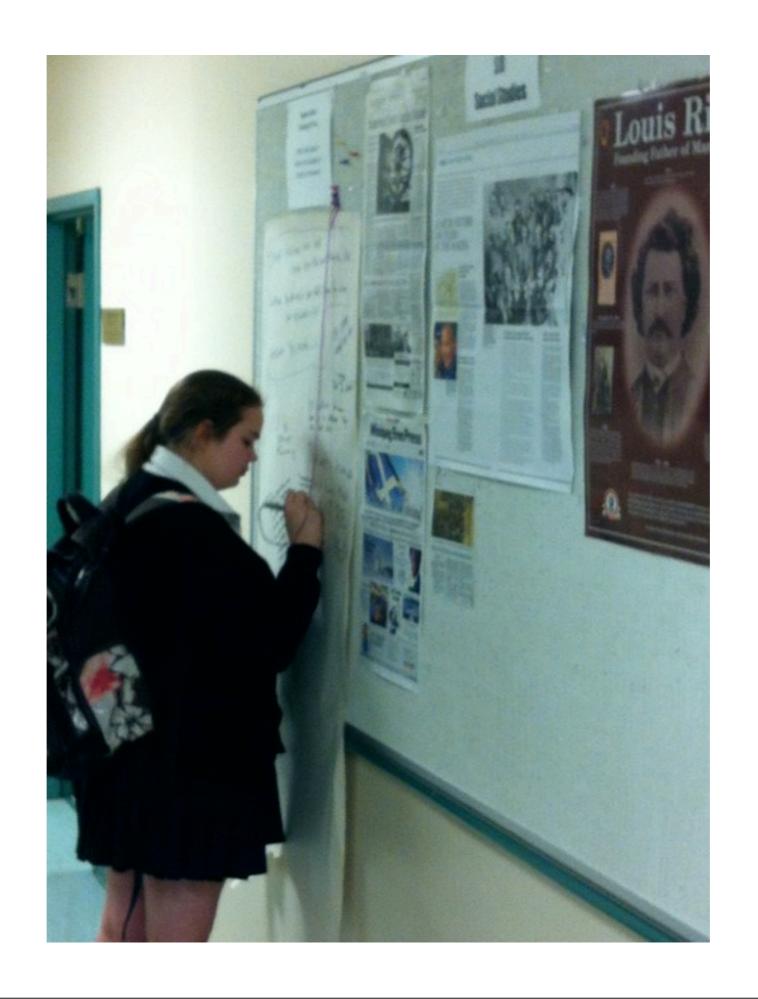
Can you spot the changes?

If you compared this image to the one on the previous page, you probably noticed a lot of differences. The real question is what do most of those changes have in common. The answer has a lot to do with the way Manitobans use electric power. Since the 60s, our needs have increased every year. And we're going to need more generating stations just to keep up with local demand.

Manitobers made a huge investment in our hydroelectric system a generation ago. Now, it's one of the most affordable and reliable power utilities in the world. We're committed to continuing our legacy of clean, abundant energy for Manitoba. That's why we're proposing new hydroelectric generating stations to keep our economy rolling and to provide the electricity needed to serve the next generation of Manitobars. It's our turn to invest.



This is where our power comes from. hydro.mb.ca/projects





Friday, 25 October, 13