



# Chalk Talk

Greetings | Feature | News | ENERGY

**PLEASE SHARE CHALK TALK WITH YOUR COLLEAGUES!!!**

## Letter from the Editor

Dear Educators:

**“The real voyage of discovery consists not in seeking new landscapes but in having new eyes.”  
– Marcel Proust**

I love travel because it's an opportunity to experience life out of one's comfort zone. Upon graduation, I traveled to Europe alone, armed with a fluency in Italian, some French, and curiosity about other cultures. I was amazed by how often unilingual North Americans expressed frustration with the inability of the locals to speak English. Day after day, I would see tourists lined up at restaurants that boasted — “American Breakfast” and “Hamburgers and Hot Dogs Served Here”.

Since then, I've visited several European countries — Greece, Portugal, England, France, Spain, Italy, Switzerland and Britain — and am struck by how different their use of energy is to ours. In Europe where population density is high and places are in close proximity to one another, train travel has always been popular. The new high speed rail system efficiently connects the entire continent, with frequent, reliable and reasonably priced service.

Europeans are conservationists by necessity and custom — less packaging, more fresh food, less refrigeration, more cold storage. It is common in small villages that hot water is not plentiful and electricity is not available for 3 to 4 hours daily. I recall, too, that their cities and towns are not as bright as ours and many fewer lights and appliances are used within households. Most of the cars are small, equipped with manual transmissions that minimize consumption of gasoline which can cost more than double what it does here.

This issue of **Chalk Talk** features educational resources that provide valuable information on Energy and the Environment. CoEd Communications is dedicated to supporting the important work of teachers by providing classroom resources on a range of topics. We invite you to visit our website at [www.4du.ca](http://www.4du.ca) to view the many **free** teachers' resources on offer.

[As always, we welcome your thoughts.](#)

Mary Kovack

## All about energy. All in one place.



Canadian Centre  
for Energy Information

The **Canadian Centre for Energy Information** invites educators to energize your lesson plans with curriculum-linked resources that explain Canada's energy supply.

### Oil and Gas Learning Resource Series

Offered free to educators, these curriculum-linked learning resources were created by teachers for teachers. [Click here to download](#). NEW: These resources will be available in French in May 2009.



### Inside Education's Petroleum Field Trips

Inside Education has created a new series of Petroleum Field Trips, in part funded by the Centre for Energy. Hosts Emily and Kristof take you along as they follow a seismic crew, rig up a well, visit a petrochemical plant and learn about the refinery process. This free DVD series of mini-field trips explores the processes of petroleum. Grade 7 and 8 Science. Copies of these Field Trips may be obtained from Inside Education. Email: [info@insideeducation.ca](mailto:info@insideeducation.ca); Phone: 780-421-1497; Web: <http://www.centreforenergy.com/Education/InsideEducation/>.



### Careers in Energy

Visit [www.centreforenergy.com/education/careers](http://www.centreforenergy.com/education/careers) for a searchable database of energy-related occupational descriptions and corresponding educational requirements.

The **Canadian Centre for Energy Information** invites educators to check out their exciting [online consumer magazine](#), **FLOW**, which offers stories and tips on energy and the environment, and features daily up-dated content on the current state of Canadian energy. [For more information, see sub-feature below.]



Keep in touch with the Centre for Energy. Receive our e-news and keep up to date with everything energy.

**All About Energy** keeps Canadians informed about energy issues that impact consumers. We update you on latest in energy efficient products for your home and office, track gasoline prices across the country, summarize consumer news and provide tips to help you make better energy choices. Distributed every month.

**Energy in Canada** profiles the wide range of energy resources that powers Canada's economy. Features include industry facts and stats and profiles of projects and people who are making a difference in shaping Canada's energy future. Distributed six times per year. To sign up [click here](#).

[Source: Canadian Centre for Energy Information]



**2009 Outstanding Educator in Financial Literacy Award — Deadline extended to May 1!**  
[APPLY TODAY](#)

## What's faster and better yet still contains the same amount of energy?

It's the Centre for Energy's [new information web portal](#) [click on home page shown below to link to **Energy Education**]. With a fresh new look and feel, you'll discover the website contains the same, expansive, bias-balanced information about renewable and non-renewable energy sources, but this time it's easier to navigate, easier to read and a whole lot faster. So [React to Nuclear](#), [Plug into Flow](#), [Put Energy on the Map](#) and [Check Your Energy Horoscope](#)!



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Bookstore



Energy from Crude Oil



Flow: Pump Prowl



Canada's Energy Map

### Knowledge is power

When higher awareness of Canada's complex energy system is passed on to students, everyone wins. That's because knowledge is power and today's students will be tomorrow's leaders.

With the Centre for Energy's learning resources and publications, Canadian educators are plugged into the most current energy information such as:

- Alberta Education approved learning materials available for **grades K-12**
- Inside Education's virtual **Petroleum Field Trips**, which follow a seismic crew, rig up a well, visit a petrochemical plant and learn about the refinery process.
- SEEDS Foundation's **Energy Literacy Series**, which includes virtual tours, equipment descriptions, production processes and exploration of environmental and economic issues.
- **Centre for Energy's bookstore**, which allows you to browse materials, such as 'Our Petroleum Challenge' and order online.

As well, explore our job boards and other career resources. As the Canadian energy industry continues to diversify and grow so does the demand for an educated, well-trained workforce. Download our free teaching resources, connect to our education partners and explore our career planning information - your best source for current, accessible facts on Canadian energy.

Partners In Energy

Partners In Energy

CNA

Nuclear energy in Canada generates about 15 per cent of Canada's electricity and almost half of Ontario's without polluting the air. The Canadian Nuclear Association is a non-profit organization established in 1960 to represent the nuclear industry in Canada and promote the development and growth of nuclear technologies for peaceful purposes. Its mission is to demonstrate Canada's nuclear expertise, to promote domestic and international acceptance of Canadian nuclear technologies and to create a positive public, political and regulatory environment for advancing the nuclear industry in Canada and in global markets.

[www.cna.ca](http://www.cna.ca)

Energy News +

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Nuclear and the next generation  
<http://timesurl.at/deae09>  
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# FLOW

Canadian perspectives on energy

Get ENERGY NEWS & more from **FLOW** online e-magazine!

In an increasingly environmentally conscious world, keeping track of our impact on the environment has become as essential to our lives as understanding the food we eat. And if the comparison seems forced, consider that Japan recently announced it would be including carbon footprint information on products, strikingly similar to existing nutritional information. In fact, it wouldn't be unfair to say that tracking our carbon footprint has become something of an obsession, even to the point of making consumers cautious when making any decisions at all. [More ...](#)

## CALCULATING YOUR FOOTPRINT

ADD A CARBON CALCULATOR AND SUBTRACT UNNECESSARY ENERGY USE. SIMPLE, RIGHT?

[Full story](#)



A new fuel mix with a sweet twist

[Full story](#)

## Chocolate Power

See if you can follow this:

They say love makes the world go 'round. They also say love is just a chemical reaction in the brain, which can be reproduced by eating large amounts of chocolate.

Therefore, love = chocolate.

Chocolate makes the world go 'round. Ridiculous? Maybe not. A New Hampshire utility company is testing chocolate fuel. Well, almost. Their new fuel mix is made with cocoa bean shells. [More ...](#)

## Statistics Canada — Learning Resources — The Environment



Statistics Canada's *Learning Resources* section brings together relevant material for teachers on its [Environment Key resources](#) page.

**ENVIROSTATS** (quarterly bulletin):

[Transportation in the North](#) (Spring 2009) — People in the territories often rely on aviation when going any considerable distance to, from and between northern destinations due to the absence of other alternatives. Although it has a population of just over 6,000, Iqaluit had over 110,000 passengers enplane and deplane from its airport in 2006. It had the highest ratio of passengers per capita, at 17.9., among Canada's cities.

**Human Activity and the Environment** (Annual edition):

[Human Activity and the Environment](#) will enlighten you on Canada's overall physical environment and focus on a particular environmental theme. Its colourful maps, tables and charts help you understand the pressures of human activities on the environment and how society is responding to those pressures. An accompanying lesson helps you make the most of each edition.



[Transportation:](#)

Learn how Canada's transportation systems (air, rail, and road networks) contribute to air quality and greenhouse gases and consider the available choices for reducing these effects. See the related [lesson](#).

[Households and the Environment](#)



This 2007 study measures household decisions that have positive or negative impacts on the environment, such as energy and water conservation, use of pesticides and more. See the [highlights](#).

Check out these and [many more](#) wonderful resources on the Environment and Climate Change available through Statistics Canada!

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We are the Company for Education Communications. We specialize in developing, producing and evaluating school resources and award programs. Working in conjunction with Departments/Ministries of Education, school district/boards, associations, teachers and subject specialists across the country; we provide free, curriculum-based educational resources to Canadian classrooms.

The opinions, conclusions and other information expressed in the preceding content do not necessarily reflect the views of and are not endorsed by CoEd Communications.

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