

The Dept. of Chem & Bchm

U N I V E R S I T Y O F L E T H B R I D G E

SPECIAL POINTS OF INTEREST:

- Bill Nye's presentation
- The Chem Guys demonstration
- Chemical reactions
- Volcanoes

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BILL NYE, THE SCIENCE GUY

January 23, 2012

The Student's Union at the UofL brought in Bill Nye, The Science Guy as a guest speaker.

Bill Nye is a legendary science educator and television personality. He is most famous to many people for his tv show **Bill Nye—the Science Guy**. 100 episodes were filmed from 1993-1998.

Many of the students in the audience had watched Bill's show in Science class in school—from Elementary to High School.

Photos by Susan Hill, Dept. of Chem & Bchm.
The Chem Guys Volcano photos courtesy of Kyle Dodgson, ULSU.



Bill Nye takes pictures of the audience taking pictures of him.

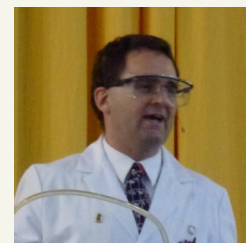
T H E C H E M G U Y S



John Eng and Wayne Lipka are "The Chem Guys". They are Instructors in the Department of Chemistry & Biochemistry at the University of Lethbridge.

They were the opening act for the Mythbusters Show at the UofL on February 6, 2010.

John and Wayne take their show to local schools and events in Southern Alberta, showing that Chemistry and science can be fun, exciting and definitely not boring.



THE CHEM GUYS – JOHN ENG & WAYNE LIPPA

John Eng starts the demonstration with – can you have water in a glass and turn it upside down without spilling the water? Yes, with a little magic or science? Then he makes a liquid change color – magically of course!

Waiting for the audience to say the magic words—

Chemistry is.....

pHun!!!



Wayne does an experiment showing how 'nitric acid reacts with copper'.



Evidence of a Chemical Reaction....

- Formation of a gas
- Colour changes
- Formation of a precipitate (solid)
- Heat, Fire and Flames!



John does his version of a volcano—baking soda and vinegar. Nice, but not too exciting!



THE CHEM GUYS - JOHN ENG & WAYNE LIPPA



Wayne shows John how to do a better volcano.

Then for a little more excitement, a fire table!



THE CHEM GUYS VERSION OF A VOLCANO



Finally, what everyone has been waiting for — **the Chem Guys version of a VOLCANO!**

They had 8 fire extinguishers on hand to put the volcano out and prevent any accidents.



THE CHEM GUYS - JOHN ENG & WAYNE LIPPA

Tchaikovsky's 1812 Overture with enhancements by the Chem Guys.

The overture is best known for its climactic volley of cannon fire, ringing chimes, and brass fanfare finale.

The balloons represent the cannons.



BILL NYE - THE SCIENCE GUY



BILL NYE, the Science Guy was very happy to get a standing ovation when he came in, so he had to take pictures of that!



BILL NYE – THE SCIENCE GUY



His advice to young people?

Caroline Zenter,
Lethbridge Herald

"Don't take people's word for things. You'll meet people who are absolutely sure of things and they're wrong. Furthermore the other charming thing is you and I are absolutely certain of certain things that are wrong. Do you know what those things are?

Nobody knows; that's what you've got to figure out. What are the things you're sure of that you're wrong about and

then you can change the world," he said.

Nye's signature piece of apparel is a bow tie and he readily admits it's his "thang."

He first started wearing them in high school when boys served as waiters for the girls' athletic dinner.

Nye sported a one-of-a-kind bow-tie Monday, made from a straight tie he purchased at the London Museum of Science.



As he finished his presentation Bill Nye received another standing ovation and had to get a picture waving goodbye in front of the audience.

Thanks to the UofL Student's Union for bringing Bill Nye to campus and inviting The Chem Guys to be the opening act for him.

Also, thanks to the volunteers for the Chem Guys show— Breanne Kamenz, Tracey Roemmele, Saif Zahir, Justin Vigar and Luc Roberts.

