



# SHArK MiniCon Program

Tuesday, May 24, 2011



UNIVERSITY  
OF MANITOBA

## **Welcome**

*Daniel McIntyre Collegiate Institute  
and  
Kelvin High School*

## **Special Thanks to the Teacher!**

*Bruce Johnson, DMCI  
Liz Kozoriz, DMCI  
Donna Labun, Kelvin*

## **Overview of Initiative**

*Dr. Michael Freund  
Professor of Chemistry*

## **International Research Context**

*Mike and Shaune*

## **Energy Context**

*Energy use in our daily lives (Israa/Kelvin)  
Global energy needs (Wahida and Donna/DMCI)  
Energy options (Paul/Kelvin)  
Solar and how it works (Robby/DMCI)*

## **Experimental Approach**

*Materials Approach (Xichi/Kelvin)  
The Experiment (Kevin/DMCI)*

## **Results**

*Oxygen evolution (Joymee/DMCI)  
Hydrogen evolution (Kimia/Kelvin)  
Hydrogen evolution (Eric/DMCI)  
Challenges (Misilyna/Kelvin)  
Challenges (Loren/DMCI)  
Enhancements to the design (Simon/DMCI)  
Future directions (Tiffany/Kelvin)  
Future directions (Danna/DMCI)*

## **Concluding Remarks**