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## *Manitoba School Divisions Moving Forward on ESD*

The Education for Sustainable Development Newsletter has been developed to further promote and develop Education for Sustainable Development (ESD) within and among school divisions in Manitoba.

Manitoba school divisions are working together to create healthy environmental, economical and socially responsible living and learning environments for all students and staff and making their schools models of effective practice for the community. Manitoba Education, Citizenship and Youth (MECY) intends to showcase and highlight periodically the initiatives that take place within and among Manitoba school divisions that work to incorporate sustainable development into division planning, operations, and curriculum, teaching and learning

activities to prepare students to live sustainably.

Education for Sustainable Development is a priority for MECY. The Department is focusing on increasing the profile of ESD, building capacity for educators, strengthening cooperation and partnerships and supporting formal education institutions in developing and implementing ESD policy.

Manitoba school divisions have also identified ESD as a priority in the past and present and have and are taking action in that regard.

Let's work together to share and promote these initiatives within and among the formal and non-formal education sectors.



**Working Together to create healthy environmental, economical and socially responsible living and learning environments.**

### **Upcoming ESD Conferences**

- Sustainability and Education Academy November 23-26
- Choose the Future: ESD Conference November 26-28

**REGISTER NOW!**

### **Our Vision**

Students will become informed and responsible decision-makers, playing active roles as citizens of Canada and the world, and will contribute to social, environmental, and economic well-being, and an equitable quality of life for all, now and in the future.





# Sustainable Development

www.wsd1.org

May, 2008

## Division-wide recycling program in full swing

Each month, on average 21,837 kilograms of recyclable materials—the equivalent weight of two fully loaded 66-passenger school buses—now heads off to be recycled thanks to a new Winnipeg School Division (WSD) program.

WSD kicked off a division-wide recycling program at the beginning of the 2007-08 school year that includes paper, cardboard, plastic, aluminum and tin. Previously, the Division recycled paper and cardboard, and some schools and departments ran local recycling projects.

The new division-wide recycling program is completely covered by the Division's existing garbage pickup budget. (School divisions are not eligible for city recycling and garbage pickup and must pay contractors to supply these services.)

Now, students and staff can toss a variety of items into bins placed throughout schools and administrative buildings—no sorting is required. Bins are then emptied into outside recycling bins for regular pick up.



While paper recycling is very important, even more important is reducing paper usage. The Division is making a concerted effort to e-mail and post documents online as much as possible. Students and staff are encouraged to read and store documents digitally. Where printing is required, staff members are expected to print back-to-back when feasible.

Recycling is just one part of the Division's Five-Year Sustainable Development Plan, approved by the Board of Trustees, April, 2008. The plan includes practices and other environmental measures for the operation of the Division that will serve to model what is taught in the classroom. This important document is posted on the Division's website: [www.wsd1.org](http://www.wsd1.org).



For further information, contact:

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# PEMBINA TRAILS Taking Action on Sustainable Energy and Waste Management

Pembina Trails School Division is continuing to put in place practices that save money, increase services to students and staff, and improve the environment. Over the last five years in particular many innovations have impacted the daily lives of staff and students.

Through a five-year conservation, education and retrofitting project, Pembina Trails has offset costs for utilities and water by over \$700,000. The Energy Manager, Phil Saurette also secured more than \$150,000 in grant funding from the government and Manitoba Hydro for efficiency improvements. Most of the savings were achieved through operational and behavioral improvements, not large investments in equipment.

A few years ago Pembina Trails Director of IT Don Reece started talking to suppliers about developing a comprehensive IT plan for the division. The result allowed the division to break new ground on the technological frontier while suppliers created a working model with which to showcase their services. Both planet and pupil have benefited from substantial reductions in paper and power while also having the fastest dark fibre network in Canada. Increased efficiencies have eliminated copiers, printers, and untold pounds of paper while reducing energy bills and emissions. The latest computers and monitors use much less energy, generate less heat, and power down when not in use. Stand alone printers have been replaced by central network printers that not only use less power, but less toner and paper too. At present Pembina Trails School Division has a mere 10% of the number of printers that were using toner, power and paper five years ago. Toner cartridges are recycled and the refillable drums now produce 20,000 prints per cartridge, where many other printers need new toner every 3,500-5,000 prints.

Most equipment is maintained by Pembina Trails IT staff and therefore computer maintenance, software installations, and software repairs are completed remotely. In most cases, a technician can fix the problem without ever leaving his or her desk thereby eliminating

the need to drive to a school. This results in no lost time, no unnecessary emissions and fuel use or classroom disruptions.

Telephone service is another way the Pembina Trails has

gone green. Until recently, the Division had over 800 telephones, each requiring A/C power. These have been replaced with 'softphones' that work as part of an e existing computer. It's called VoIP (voice over internet) technology. The power for the remaining hard phones is received through Ethernet cables from the network, eliminating the need for A/C power entirely. The savings have been impressive.

*"Most of the savings were achieved through operational and behavioral improvements, not large investments in equipment."*

For the 2008/09 school year, Pembina Trails will have a division-wide recycling program that will replace the individual program currently in place in most division schools. In this way collection will be more efficient and the cost of the program will be in the division's operational budget. The Sustainable Development Grant and the Middle Years Experiential Grant from MECY will now be used to fund new and innovative school initiatives—

taking sustainable development from mere recycling to the next level of creativity and hands-on action.



*"Pembina Trails has offset costs for utilities and water by over \$700,000."*

For further information, contact:  
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Pembina Trails School Division  
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## St. James-Assiniboia: ESD Resource

In keeping with St. James-Assiniboia School Division's Mission to *"Provide diverse and comprehensive programming in a safe and caring environment to prepare all students to be responsible citizens in a democratic society,"* the School Board has implemented an exciting and innovative program which examines sustainable living with a global perspective in mind. A "made in St. James-Assiniboia" Sustainable Development Education resource package for teachers and students has been developed. The **Get Started** Sustainable Development Education resource package will make global citizenship a part of the daily lives of our students.

The **Get Started** Sustainable Development Education provides the tools for busy classroom teachers and school administrators to explore and develop the sustainable living concepts and to integrate these concepts into lesson plans which compliment Manitoba Education, Citizenship and Youth's sustainable development outcomes and themes at all grade levels. The staff time involved in developing curriculum support documents can be daunting and this package works to considerably reduce the classroom teacher's workload by providing a concise document which consolidates extensive research and provides materials in an organized, grade-specific format.

This pilot program furthers the Division's principles and challenges students and staff to explore activities and learn about conserving resources, protecting the environment and ensuring human health and welfare through education about the consequences of our actions and our responsibilities to each other and to the planet.

In consideration of the United Nations declaration of the decade for Sustainable Development, 2005-2014, and the Manitoba Education, Citizenship and Youth theme for 2008-09, "Global Citizenship and Sustainable Development", the Board initiated the Sustainable Development Education resource package to heighten student and staff awareness of sustainable living habits and activities. Students have been active in individual schools and have come together for a divisional workshop to share their sustainable living activities. Feedback from this workshop has been provided to a committee of administrators and teachers to add to the resources available to classroom teachers. It is anticipated that the program will continue to grow as more resources become available.

A copy of the **Get Started** Sustainable Development Education resource package can be downloaded from our website, [www.sjsd.net](http://www.sjsd.net). I encourage you to read it and consider ways that we can all conserve resources, protect the environment and ensure human health and welfare.

For Further Information, contact:

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"provides tools for  
busy classroom  
teachers and school  
administrators"



# Sustainability and Education Academy

York University (in partnership with Manitoba Education, Citizenship and Youth, Manitoba Advanced Education and Literacy, Winnipeg and Pembina Trails School Divisions and faculties of education) is bringing the Sustainability and Education Academy (SEdA) to Manitoba November 23-26, 2008.

By participating in the Academy, teams of senior education officials from school divisions and faculties of education will be trained as sustainability leaders and have opportunities to develop ESD action plans to incorporate sustainable development into policies, programs, and operations.

Register now for this exciting Seminar. Both Winnipeg and Pembina Trails School Divisions sent teams to the October 2007 Seminar in Ontario. For information regarding the effectiveness of this program, school divisions are encouraged to contact Graham Bruce, Assistant Superintendent, Pembina Trails School Division at (204) 488-1757.

Register your school division team now for this leadership event at:

[www.SustainableEnterpriseAcademy.org](http://www.SustainableEnterpriseAcademy.org)

For More Information Please Contact:

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**SUSTAINABILITY and EDUCATION ACADEMY**




**EDUCATION  
LEADER SEMINAR**

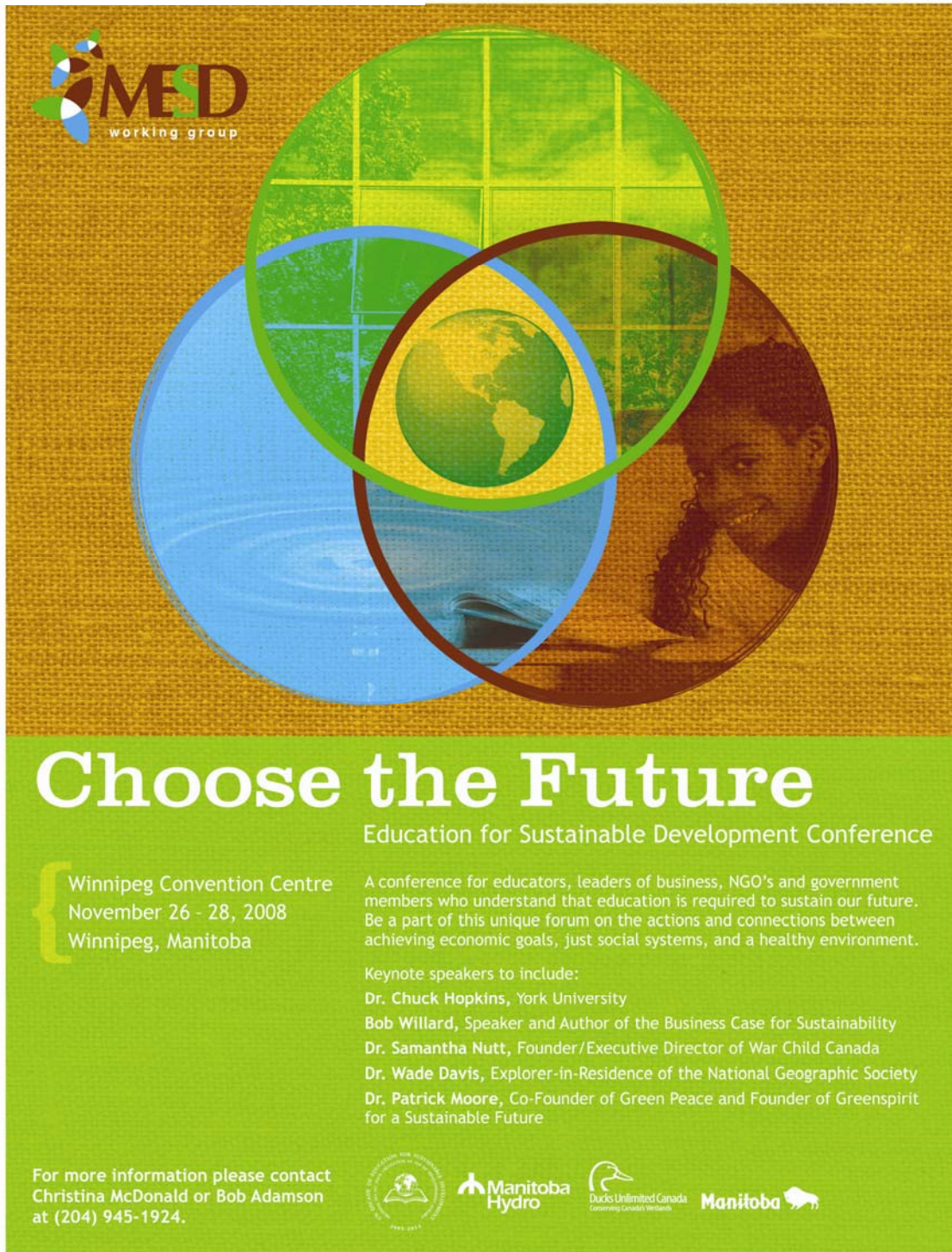
Inspiring educational leaders to create a culture of sustainable development, integrated into all aspects of the K-12 education system.

**NOVEMBER 23-26, 2008**  
WINNIPEG MANITOBA CANADA

**YORK**  
  
UNIVERSITE  
UNIVERSITY

**Manitoba** 

[www.SustainableEnterpriseAcademy.org](http://www.SustainableEnterpriseAcademy.org)



**MESD**  
working group

# Choose the Future


Education for Sustainable Development Conference

Winnipeg Convention Centre  
November 26 - 28, 2008  
Winnipeg, Manitoba

A conference for educators, leaders of business, NGO's and government members who understand that education is required to sustain our future. Be a part of this unique forum on the actions and connections between achieving economic goals, just social systems, and a healthy environment.

Keynote speakers to include:  
Dr. Chuck Hopkins, York University  
Bob Willard, Speaker and Author of the Business Case for Sustainability  
Dr. Samantha Nutt, Founder/Executive Director of War Child Canada  
Dr. Wade Davis, Explorer-in-Residence of the National Geographic Society  
Dr. Patrick Moore, Co-Founder of Green Peace and Founder of Greenspirit for a Sustainable Future

For more information please contact  
Christina McDonald or Bob Adamson  
at (204) 945-1924.



**NOVEMBER**  
26-28 2008

**WINNIPEG**  
**MANITOBA**  
**CANADA**

**CALL FOR PRESENTERS**  
JUNE 30, 2008

**REGISTER:**  
JUNE 15, 2008

**The Manitoba Education for Sustainable Development Working Group (MESDWG)**, in partnership with the Science Teachers Association of Manitoba (STAM) will be hosting Choose the Future: an International Education for Sustainable Development Conference on November 26-28, 2008.

**CALL FOR PRESENTERS:** Those interested in presenting at this Conference should complete the Application Form at: [www.mesdwg.org](http://www.mesdwg.org). (deadline extended to June 30, 2008)

**ON-LINE REGISTRATION:** JUNE 15, 2008 at:

**[WWW.MESDWG.ORG](http://WWW.MESDWG.ORG)**

# Contributing to a Sustainable, Prosperous Economy and a Green and Healthy Community

Call for Nominations and Applications  
2008 Manitoba Excellence  
in Sustainability Awards



Protecting  
& Managing  
our Future

Manitoba Round Table  
for Sustainable Development

Manitoba 

Nominate someone you know or apply yourself!

For application/nomination instructions and forms, please visit:

<http://www.manitoba.ca/conservation/susresmb/mrtsd/mbesa/>

Deadline: **Friday, June 27, 2008**

## Manitoba Green Schools Program (NEW)



Government recently announced the **Green School Program** designed to stimulate student and teacher-led responses to sustainability issues connected with schools. The program provides financial and resource support primarily for schools in Manitoba and builds upon activities already underway and assists in establishing new projects that promote innovative approaches to reducing water use, minimizing waste and supporting improved school ground greening and sustainable transportation.

For more information and to apply, go to:

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

Call toll free 1-866-460-3118



## Call for ESD Actions in Manitoba School Divisions

Submissions from school divisions are being sought for ESD actions having to do with policy development, operations and curriculum, teaching and learning for sustainability.

MECY intends to promote and showcase the effective ESD practices being undertaken by Manitoba school divisions to further promote, communicate and develop ESD in the province.

Divisions interested in highlighting their ESD initiatives should develop a one page description of their initiative (include photos if applicable) and email in electronic form to: Christina McDonald, Sustainable Development Coordinator at: [christina.mcdonald@gov.mb.ca](mailto:christina.mcdonald@gov.mb.ca)



Electronic Newsletters will be sent to Manitoba divisions in the months of May, October and February.

We would appreciate receiving your divisions' ESD submissions throughout the year as initiatives are being developed and implemented.

## CONTACT US!

ESD Newsletter Published by the Sustainable Development Initiative of Manitoba Education, Citizenship and Youth and Manitoba Advanced Education and Literacy

*Contributing to the promotion, development and communication of sustainable development and education for sustainable development.*

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## We're on the Web

The K-12 ESD website features information regarding ESD and includes articles, correlation charts, grants, parent brochures, posters, resources and contacts Visit our website at: [www.edu.gov.mb.ca/k12/esd](http://www.edu.gov.mb.ca/k12/esd).

For information regarding the resources featured on the website, please contact Anne MacDiarmid (K-12 ESD