



WINNIPEG SCHOOL DIVISION
INVESTING IN THE FUTURE

SUSTAINABLE DEVELOPMENT PLAN

At a meeting held April 7, 2008, the Board of Trustees adopted a Five-Year Sustainable Development Plan.

Sustainable development is a pattern of resource use that aims to meet human needs while preserving the natural environment so that these needs can be met not only in the present, but in the indefinite future. It does not focus solely on environmental issues.

The vision for Education for a Sustainable Future is:

“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.”

- Department of Manitoba Education, Citizenship and Youth

The attached Winnipeg School Division Sustainable Development Plan has as its primary objective the development and implementation of Education for Sustainable Development (ESD) based programs initiated by teachers as well as those initiated by students. The plan also includes practices and other environmental measures for the operation of the Division that would serve to model what is taught in classrooms.

ESD programs not only benefit the students, but also support the environmental efforts already undertaken by the Division. By focusing on student learning, there will be an increased appreciation of issues related to the environment in the community, across the province and around the world. With financial assistance Manitoba Education Citizenship and Youth, staff and students have taken an active role with environmental, social and economic world/community issues.

Data related to the effects of the change in environmental practices of the Division are being compiled and monitored. For example, the reduction in amount of electricity consumed as a result of energy performance contracts and the amount of waste being recycled are being measured and monitored. Information on progress would be provided on an annual basis.

Sustainable Development Plan 5 Year Plan

The Winnipeg School Division encourages educators, staff and students to work collaboratively to achieve the following outcomes:

Priority #1									
Problem-solving, critical thinking and active citizenship will be explored through local and global Education for Sustainable Development contexts									
Outcomes	Strategies/Activities	2007 – 2008			2008-2009	2009-2010	2010-2011	2011-2012	
		Planning	Beginning	Implementing					
<ul style="list-style-type: none"> • Students will achieve the provincially mandated ecological literacy outcomes included in Social Studies and Science programs K-12. 	<ul style="list-style-type: none"> ♦ Teachers will implement related Education for Sustainable Development lessons and units in the classroom using the support documents prepared by MECY. 		•		•	•	•	•	
	<ul style="list-style-type: none"> ♦ Students will understand the relationship between living and non-living components of our habitats and communities. 				•	•	•	•	•
	<ul style="list-style-type: none"> ♦ Students and staff will engage in activities that highlight their understanding of Education for Sustainable Development. 				•	•	•	•	•
	<ul style="list-style-type: none"> ♦ Performances, concert/ plays will target Education for Sustainable Development issues as appropriate. 				•	•	•	•	•
	<ul style="list-style-type: none"> ♦ Teachers and students will use technology-based resources including appropriate websites, CD ROMs and audio-visual resources to reinforce ecological literacy. 				•	•	•	•	•
	<ul style="list-style-type: none"> ♦ Consultants will highlight ecological literacy at workshops and meetings with teachers. 				•	•	•	•	•
<ul style="list-style-type: none"> • Students will participate in sustainable development projects throughout the school. 	<ul style="list-style-type: none"> ♦ All schools will identify and carryout at least one project that targets Education for Sustainable Development. 				•	•	•	•	
<ul style="list-style-type: none"> • Schools will encourage student initiated and student-directed activities for sustainable development. 	<ul style="list-style-type: none"> ♦ Schools will be encouraged to implement more action-oriented Education for Sustainable Development projects, taking into account the three areas of sustainability: Environmental, Social/Cultural and Economic. 		•		•	•	•	•	

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Priority #1 (cont'd) Problem-solving, critical thinking and active citizenship will be explored through local and global Education for Sustainable Development contexts								
Outcomes	Strategies/Activities	2007 – 2008			2008-2009	2009-2010	2010-2011	2011-2012
		Planning	Beginning	Implementing				
<ul style="list-style-type: none"> • Students will participate in sustainable development projects throughout the school (cont'd). • Schools will encourage student initiated and student-directed activities for sustainable development. 	<ul style="list-style-type: none"> ♦ Community Beautification Projects will be promoted with schools; number of students and staff involved will increase. 		•		•	•	•	•
	<ul style="list-style-type: none"> ♦ Workshops/Information Sessions will be organized for the community on issues of Sustainable Development. 	•			•	•	•	•
	<ul style="list-style-type: none"> ♦ Education for Sustainable Development Committee will explore a process for sharing school initiatives. 	•			•	•	•	•
	<ul style="list-style-type: none"> ♦ Division will provide opportunities for schools to share ideas and to develop partnerships with other schools and/or organizations both inside and outside the school division. 	•			•	•	•	•
<ul style="list-style-type: none"> • Students and staff will recycle wherever possible. 	<ul style="list-style-type: none"> ♦ Schools will increase the amount of refuse recycled. To encourage and inform involvement, divisional recycling volumes will be posted monthly on the WSD website. 		•					
	<ul style="list-style-type: none"> ♦ A Division-wide mixed re-cycling collection service will be instituted. 			•	•	•	•	•
	<ul style="list-style-type: none"> ♦ Students and staff will increase the use of recycled materials. 			•	•	•	•	•
<ul style="list-style-type: none"> • Teachers, clerks, custodians, tradespeople and all other divisional staff will model environmental citizenship. 	<ul style="list-style-type: none"> ♦ Training will be provided for appropriate staff on energy conservation strategies, environmentally friendly products, waste reduction and recycling. 			•	•	•	•	•

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Priority# 2 Sustainability principles will be applied to all aspects of facility/operations management, procurement and resource use.								
Outcomes	Strategies/Activities	2007 – 2008			2008-2009	2009-2010	2010-2011	2011-2012
		Planning	Beginning	Implementing				
<ul style="list-style-type: none"> • The amount of waste will be reduced in the use of paper, light bulbs, construction materials, and supplies. 	♦ Electronic media will be used for documents including publication, distribution and storage as appropriate.		•		•	•	•	•
	♦ Two-sided printing will be encouraged.			•	•	•	•	•
	♦ Paper will be reused as appropriate.		•		•	•	•	•
	♦ Toner cartridge recycling will be continued.			•	•	•	•	•
	♦ Board packages will be distributed electronically.		•		•	•	•	•
	♦ Construction waste will be minimized and construction materials will be salvaged for recycling.			•	•	•	•	•
	♦ Fluorescent tubes/lighting will be disposed of in an environmentally friendly manner.		•		•	•	•	•
	♦ Portable fluorescent tube waste separator will be purchased and procedures for use will be developed.				•	•	•	•
	♦ Construction waste reduction programs will be instituted for all major capital projects.				•	•	•	•
<ul style="list-style-type: none"> • Electronic communication devices and batteries will be disposed of in an environmentally friendly fashion. 	♦ A Division-wide disposal program will be developed for electronic communication devices and batteries.			•	•	•	•	
	♦ All contracts will include provision for appropriate disposal.							
<ul style="list-style-type: none"> • Energy efficiency will be improved in all divisional facilities. 	♦ Incandescent light fixtures and T12 fluorescent light fixtures will be replaced with energy efficient lights.			•	•	•	•	•
	♦ Parking lot electrical outlets will be upgraded to power saving systems under energy performance contracts and parking lot maintenance program.			•	•	•	•	•
	• Computerized control (Direct Digital Control) DDC for heating/ventilation systems will be implemented.			•	•	•	•	•
	• Explore geothermal heating opportunities under heating system replacement program and energy performance upgrading contracts		•		•	•	•	•

Sustainable Development Plan 5 Year Plan

Priority# 2 (cont'd) Sustainability principles will be applied to all aspects of facility/operations management, procurement and resource use.								
Outcomes	Strategies/Activities	2007 – 2008			2008-2009	2009-2010	2010-2011	2011-2012
		Planning	Beginning	Implementing				
<ul style="list-style-type: none"> • Energy efficiency will be improved in all divisional facilities (cont'd). 	<ul style="list-style-type: none"> • When existing steam heating systems require replacement energy efficient hot water heating systems will be installed. 			•	•	•	•	•
	<ul style="list-style-type: none"> • Energy efficient windows will be installed in all Division facilities. 			•	•	•	•	•
	<ul style="list-style-type: none"> • Energy conservation training and procedures will be developed for custodians as part of the energy performance contracts. 		•		•	•	•	•
	<ul style="list-style-type: none"> • As part of replacement cycle energy efficient appliances will be purchased for Home Economics/Industrial Arts and staff rooms 			•	•	•	•	•
	<ul style="list-style-type: none"> • Flat screen monitors for computers will be purchased as part of the replacement schedule. 			•	•	•	•	•
	<ul style="list-style-type: none"> • Power save features on newer computers will be explored. 			•	•	•	•	•
	<ul style="list-style-type: none"> • Guidelines for turning off lights and staggering the turning on of equipment including computers will be developed. 		•		•	•	•	•
	<ul style="list-style-type: none"> • Leadership In Energy and Environmental Design standards to achieve Silver Certification for design will be implemented for the construction of all PSFB funded major capital projects. 	•			•	•	•	•
	<ul style="list-style-type: none"> • Leadership in Energy and Environmental Design principles in design of all facility upgrades will be considered. 		•		•	•	•	•
<ul style="list-style-type: none"> • The Building department will identify sustainable procedures in facilities with respect to the consumption of water. 	<ul style="list-style-type: none"> • Plumbing fixtures will be upgraded to reduce water consumption. 			•	•	•	•	•
	<ul style="list-style-type: none"> • Facilities will be assessed for water saving opportunities. 		•		•	•	•	•

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Priority# 2 (cont'd) Sustainability principles will be applied to all aspects of facility/operations management, procurement and resource use.								
Outcomes	Strategies/Activities	2007 – 2008			2008-2009	2009-2010	2010-2011	2011-2012
		Planning	Beginning	Implementing				
<ul style="list-style-type: none"> The School division will support and model “green” schools/facilities. 	<ul style="list-style-type: none"> The Division will continue to support a tree banding program. 			•	•	•	•	•
	<ul style="list-style-type: none"> A community based tree planting program will be encouraged through the use of available grants. 			•	•	•	•	•
	<ul style="list-style-type: none"> The use of recycled paper and/or chlorine free paper will be increased. 			•	•	•	•	•
	<ul style="list-style-type: none"> The use of Forestry Stewardship Council certified paper will be increased. 		•		•	•	•	•
	<ul style="list-style-type: none"> The use of environmentally friendly cleaning and building products will be increased. 		•		•	•	•	•
	<ul style="list-style-type: none"> No idling” zones will be established at all schools and other Division facilities. 		•		•	•	•	•
<ul style="list-style-type: none"> The efficiency and sustainability of transportation vehicles/buses will be improved. 	<ul style="list-style-type: none"> The use of Hybrid buses/trades vehicles will be explored. 		•		•	•	•	•
	<ul style="list-style-type: none"> Vehicles that are bio-diesel/energy efficient will be purchased. 		•		•	•	•	•
	<ul style="list-style-type: none"> No idling practices will be followed. 			•	•	•	•	•
	<ul style="list-style-type: none"> Bio diesel fuel will be utilized in existing diesel engine buses. 			•	•	•	•	•