**Science & Technology for Sustainability**

♦ [www.kidsfootprint.org](http://www.kidsfootprint.org): **LESSON PLANS AVAILABLE** with colourful diagrams/activities/objectives clearly outlined. These lessons in sustainability cover:

**Grade 1-8 topics for Science and Technology**
Grade 1: Energy, Characteristics and needs of living things, Grade 2: Energy from wind and moving water, air and water, Grade 3: Soils in the Environment, Grade 4: habitats and communities, Grade 5: Conservation of Energy, Grade 6: Diversity of living things, Grade 7: Interactions with Ecosystems, Grade 8: Water Systems

**Grades 1-8 Social Studies & Language Arts (10 lesson plans)**

Computer classes: Student section has an interactive educational quiz
Math: Calculating ecological footprints on site

♦ [www.ceeonline.org/curriculum](http://www.ceeonline.org/curriculum): **CURRICULUM LIBRARY FOR SUSTAINABILITY** COMPLETE LESSON PLANS AVAILABLE

**K-12 Science and Technology** (diversity, Energy, Soils, Air & Water/ Habitats and Communities/Characteristics and needs of living things/ Ecosystems/Water systems.

Social Studies (Local community/global communities/citizenship)

Phys. Ed. (Human health, nutrition)

ART (school greening and gardens)

♦ [http://www.ecokids.ca/pub/index.cfm](http://www.ecokids.ca/pub/index.cfm): This site offers an ENTIRE **CURRICULUM CONNECTION PROGRAM** Teachers can find lessons, activities/games and read how objectives meet Ontario Curriculum. Teachers make sure to also visit “Kids Section”

**Science and Technology**: Water Systems/Energy/Conservation of Energy/Diversity/Ecosystems/Habitat &Habitat loss/ Animals/Plants/Weather and much more.

**Computers**: Sustainability interactive computer quizzes and games for students

**ART & Drama**: Games, printables for colouring, make your own paper, in “Kids Section” Language Arts: Stories and activities available in “Kids Section” for students

**Social Studies**: Local Community & Citizenship “Kids Section” games/ local school action ideas/ Phys Ed: Outdoor games

*The Extensions section suggests additional activities and discussion topics to supplement the materials links lessons to Phys Ed & Art.*


♦ [www.wwf.ca/satellite/wwfkids/index.html](http://www.wwf.ca/satellite/wwfkids/index.html): **LESSON PLANS** fitted to curriculum

**Science and Technology grade 1-8**

*Schools for Wildlife*, WWF-Canada’s education program site has both Student and teacher user sections. Units cover broad spectrum of environmental issues ranging from species-at-risk to marine conservation.
Each unit is comprised of two or more consecutive, related lessons, action tips, relevant supplementary materials, appendices and references.

♦ Visit *Schools for Wildlife* with your class to find out what other schools in Toronto and across the country are doing for the environment (& see pictures of their projects). This site delivers high quality environmental education program that deepens environmental awareness and inspires students to engage in positive environmental action and become environmentally conscious citizens.


**LESSON PLANS****

**Science and Technology**

Grade 7: Life systems Interactions Within Ecosystems

Grade 1 and 2: Life systems Characteristics and needs of living things.

The lessons include worksheets, pictures, and activities.


**Science and Technology**: Grade 1 Characteristics and needs of living things. Grade 2: Air and Water in the environment. Grade 3: Soils in the environment. Grade 4 habitats and communities/ rocks minerals, and erosion. Grade 6: Diversity of living things Grade 7: Ecosystems/ Grade 8: Water Systems. Explores the environment of the Great Lakes region K-12 resources click on Teacher’s Corner.

♦ [http://www.on.ec.gc.ca/community/classroom](http://www.on.ec.gc.ca/community/classroom) *arts, science and technology, language, social sciences, geography and history, computers*. Environment Canada’s Great Acts for Great Lakes site. Visit the virtual school and inside find information, classroom support materials and student activities that tie-in to curriculum. Learn about the Great Lakes and our environment. Students and educators can click on areas of the virtual school and discover environmental issues affecting their schools and what to do about them!

♦ [http://compost.css.cornell.edu/resources.html](http://compost.css.cornell.edu/resources.html) *Science and Technology* LESSON PLANS about composting: Grade 1 characteristics and needs of living things. Grade 3 Soils in the Environment. Grade 4 Habitats and Communities Grade 6 Diversity of Living Things. Grade 7 Ecosystems.

♦ [http://www.climatechange.gc.ca/onetonne/english/](http://www.climatechange.gc.ca/onetonne/english/) Climate change fits in **science, social studies or geography** Government of Canada’s Climate Change website explains the “One-Tonne Challenge” They work with schools and educators to reduce annual greenhouse gas (GHG) emissions by one tonne. Curriculum materials offer detailed lesson plans, activities and visual aids for the classroom. This site also has an educational link for students.

Visit the [Resources for Teachers site](http://www.climatechange.gc.ca/english/teachers_resources/) or [order your teachers kit](http://www.climatechange.gc.ca/english/teachers_resources/)

♦ [http://www.toronto.ca/water/kids/index.htm](http://www.toronto.ca/water/kids/index.htm) *Science and technology* An interactive story for students “the story of our drinking water” Looks at the water cycle/fresh water availability/ treatment etc. Colourful diagrams. Covers [Science and Technology](http://www.climatechange.gc.ca/onetonne/english/) Grade 2 properties of liquids/ Air and Water in the environment, Grade 8 water systems and more. Could be used in computer classes. Covers the water cycle (with colourful diagrams), changes of state, percentages of water on earth, how much fresh water is available to us, treatment and water conservation.
ENERGY


♦ [http://www.chewonki.org/Pathways/](http://www.chewonki.org/Pathways/)  LESSONS AND SCIENCE PROJECTS AVAILABLE**  Science and Technology
Grade 1 Energy in our lives.
Grade 2 Energy from wind and moving water, movement, air and water in the environment.
Grade 3 magnetic and charged materials, forces and movement,
Grade 4 forces and movement/ Light and sound Energy/Materials that transmit, Reflect, or absorb light or sound.
Grade 5 Properties of and changes in matter, Conservation of Energy, forces acting on structures and mechanisms, Weather.
Grade 6 properties of air, Electricity, /Motion,
Grade 7 Heat, Ecosystems.
Grade 8 Mechanical Efficiency and more.

Lessons, diagrams, projects, activities.  Education on biomass, hydro, hydrogen, wind, photovoltaics, solar heat, passive solar, geothermal, and transportation. RENEWABLE ENERGY posters and diagrams available

♦ [www.greenlearning.ca](http://www.greenlearning.ca)  **LESSON PLANS AVAILABLE**
and welcomes Ontario teachers and student users. Students just login with password: Studentab
Teachers register by simply filling out school address and phone #. Greenlearning.ca is an innovative program developed to bring accurate and engaging educational materials to students, teachers and parents.

♦ [http://www.re-energy.ca/](http://www.re-energy.ca/)  Renewable energy educational site. It has an interactive poster wheel with sections: Renewable Energy Basics, Solar Electricity, Solar heat, Wind Energy, water power, biomass energy, and other clean energy technologies. Click on each section to receive easy to understand information.

♦ [http://www.re-energy.ca/](http://www.re-energy.ca/)  Renewable energy educational site. It has an interactive poster wheel with sections: Renewable Energy Basics, Solar Electricity, Solar heat, Wind Energy, water power, biomass energy, and other clean energy technologies. Click on each section to receive easy to understand information.

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♦ [http://www.miltonhydro.com/pkengameintro.html](http://www.miltonhydro.com/pkengameintro.html)  an energy site for Milton hydro, this site has a game for students about energy efficiency…

ANIMALS
**CURRICULUM LIBRARY FOR SUSTAINABILITY**

**COMPLETE LESSON PLANS AVAILABLE**

- **www.ceeonline.org/curriculum**
  This site has a link top right left that reads “link to ecoventures”. This page provides beautiful photos, track prints, and information about Ontario flora and fauna.
  - Grade 1: Characteristics and Needs of living things
  - Grade 2: Growth and changes in animals
  - Grade 4: Habitats and communities

- **http://www.ecoventures.com/**
  This page offers an ENTIRE **CURRICULUM CONNECTION PROGRAM** Teachers can find lessons, activities/games and read how objectives meet Ontario Curriculum. Teachers make sure to also visit “Kids Section”

  **Science and Technology:** Water Systems/Energy/Conservation of Energy/Diversity/Ecosystems/Habitat &Habitat loss/ Animals/Plants/Weather and much more.

  **Computers:** Sustainability interactive computer quizzes and games for students

  **ART & Drama:** Games, printables for colouring, make your own paper, in “Kids Section”

  **Language Arts:** Stories and activities available in “Kids Section” for students

  **Social Studies:** Local Community & Citizenship “Kids Section” games/ local school action ideas/ Phys Ed: Outdoor games

  *The Extensions section suggests additional activities and discussion topics to supplement the materials links lessons to Phys Ed & Art.

- **http://www.wildeducation.org**
  **LESSON PLANS** Use the WILD Search engine to assist you in finding curriculum-linked classroom activities and outdoor projects. Canadian Wildlife Federation WILD Education Programs include Project WILD, Fish Ways, WILD Schools, Focus on Forests, Ocean Education, and Space for Species. More sample lesson plans for Science/Social Studies/Geography/Math/Art/Language Arts at

- **www.wwf.ca/satellite/wwfkids/index.html**
  **LESSON PLANS** Fitted to curriculum

  **Science and Technology** grade 1-8

  Schools for Wildlife, WWF-Canada’s education program site has both Student and teacher user sections.

  Units cover broad spectrum of environmental issues ranging from species-at-risk to marine conservation.

  Each unit is comprised of two or more consecutive, related lessons, action tips, relevant supplementary materials, appendices and references.

- **http://www.torontozoo.com/conservation/fish.asp?nav=5**

**LESSON PLANS****

**Science and Technology**

- Grade 7: Life systems Interactions Within Ecosystems
- Grade 1 and 2: Life systems Characteristics and needs of living things.

  The lessons include worksheets, pictures, and activities.

**OTHER**

- **http://www.phschool.com/science/planetdiary/** - This is an interactive site. A simulation earth has icons to click and each brings a news broadcast from that part of the world concerning nature and the environment. Great pictures and interesting, current, and accurate information. A great learning tool.
♦ Integrate MUSIC into science: http://www.acme.com/jef/science_songs/ - science songs, nature songs, space songs, all kinds of music to cover all curriculums

TRIPS AND PRESENTERS FOR SCIENCE & TECHNOLOGY

Water
♦ http://www.treca.on.ca/learning_education/your_community/
Fabulous program from the TRCA called Watershed on Wheels. An instructor will come into your classroom and spend an entire morning or afternoon teaching life systems lessons. It really is very informative and interactive.

The Metro Zoo will come to your classroom and teach a free lesson about water conservation called: THE REDSIDE DACE PROJECT. This site also has lesson plans for:
Science and Technology
Grade 7: Life systems Interactions Within Ecosystems
Grade 1 and 2: Life systems Characteristics and needs of living things.
The lessons include worksheets, pictures, activities.

♦ www.yellowfishroad.org **LESSON PLANS**
Science and technology grade 4 and grade 9. Must register first. Yellow Fish Road™ volunteers paint “yellow fish” symbols next to storm drains and distribute fish-shaped brochures to nearby households, to remind people that anything that enters the storm drain system ends up in the local water body. Since 1991, thousands of Canadian youth have learned about their water supply, the impact it has on the health of their community and the need to protect it.

Earth and Space Systems Presentations
♦ Canadian Space Resource Centre 416-396-2421 email csrc@interlog.com
located at Marc Garneau Collegiate and is available for in class presentations to students.
Topics include:
Canadian Space: A history of Canadian Space Exploration General/All grades
The Solar System in the classroom (an overview of our solar system, the nine planets, the Canadian astronauts, Canadarm) Grade 6
The Nearest Star (an overview of the size of our galaxy, the Universe, Free fall and orbits) Grade 9
Living in Microgravity (What is microgtavity, what happens to the body in microgravity) Grade 11

♦ www.cosmicconnections.ca
Brian Cheany of Cosmic Connections offers an affordable presentation (3 dollars per student), informative and interesting presentations. He shows amazing pictures and runs interactive activities. Evening program provides includes telescopes to look at the moon and mars. The evening visit is included in the 3 dollars.

♦ Cathy McWatters from Solar Wind (416) 221-7375 gives fabulous astronomy presentations in schools, complete with an inflatable planetarium.

Energy & Plants
♦ http://www.everdale.org/ Everdale offers K-12 curriculum-linked hands-on workshops to school groups. The workshops integrate curriculum expectations from a number of strands fostering a development of environmental literacy and stewardship. Everdale's unique 50-acre property is a vibrant, living classroom. It
has an organic vegetable farm, open meadows, forests, and wetlands. Facilities include solar & wind power systems, a greenhouse, nature trails, and a community centre.

♦ [http://www.trca.on.ca/events/take_action/default.asp?load=your_schools#aquatic](http://www.trca.on.ca/events/take_action/default.asp?load=your_schools#aquatic) TRCA has an Aquatic Plants program. In winter they will supply seeds, soil and planters for aquatic plants then in the spring, you visit a pond for your class to plant the plants they have grown (they also supply plants if they don't grow). In addition to the planting, the educators also provide a few fun lessons about local flora and fauna. This program is free.

♦ [http://www.foodshare.ca/school01.htm](http://www.foodshare.ca/school01.htm) Urban Agriculture: FoodShare works on food issues "from field to table" - meaning that they focus on the entire system that puts food on our tables: from the growing, processing and distribution of food to its purchasing, cooking and consumption. Take your class to visit this urban agriculture project

**FIND OTHER IDEAS FOR VISITS AT:**

♦ [http://www.planetfriendly.net/learn.html](http://www.planetfriendly.net/learn.html) Visit local Environmental & Sustainability Education – Centres, Places & Links

**GREEN RESOURCES FOR SCIENCE & TECHNOLOGY**

♦ ***Great resources are available through the board. Science kits can be ordered from Tippett by going into your tel email account. On your desktop, click on TDSB conferences. Click on School Services. Then click on Sci/tech.tel (the group) and at the top you will see an icon "kits and loan centres". Get boxes of equipment and resources that are tied to the science curriculum.

♦ ***In School Services, you will see other groups such as outdoored.tel and EcoSchools.tel which are great forums for information sharing and lesson sharing from other TDSB teachers

♦ [www.greenteacher.com](http://www.greenteacher.com) ***LESSONPLANS/TEACHER RESOURCES*** Green Teacher is a non-profit organization publishes resources to help educators, both inside and outside of schools, to promote global and environmental awareness among young people from elementary through high school.

♦ [http://www.torontozoo.com/adoptapond/curriculum/a1-youcan.html](http://www.torontozoo.com/adoptapond/curriculum/a1-youcan.html) Science and Technology wetland curriculum resources

♦ Green Teacher Magazine: a quarterly magazine full of teaching ideas from successful “green” educators. Each issue of Green Teacher offers perspectives on the role of education in creating a sustainable future, practical cross-curricular activities for various grade levels, and reviews of the latest teaching resources. Other Green Teacher publications to date include four resource books for educators: Greening School Grounds: Creating Habitats for Learning, Teaching About Climate Change: Cool Schools Tackle Global Warming (also published in French as Des idées fraîches à l’école: Activités et projets pour contrer les changements climatiques), Teaching Green: The Middle Years, and Teaching Green: The Elementary Years. A third book in the Teaching Green series (Teaching Green: The High School Years) will be published in 2006.

♦ [www.ceeonline.org/curriculum](http://www.ceeonline.org/curriculum) ***CURRICULUM LIBRARY FOR SUSTAINABILITY***


♦ [www.earthday.net](http://www.earthday.net) Ecofootprint quiz on the homepage. Covers all topics from conservation of
energy, composting, renewable resources and more. Click on TEACHER’S CORNER by Earth Day Network's Environmental Education Program to find user-friendly tools for integrating environmental issues into core curriculum subjects.

♦ www.facingthefuture.org ***LESSON PLANS AVAILABLE*** to download free with registration and quality books and resources for purchase Facing the Future is a site to develop young people’s capacity and commitment to create thriving, sustainable, and peaceful local and global communities.

♦ http://www.davidsuzuki.org/ David Suzuki’s site has newsletters, sustainability information, great resources, is highly educational and action focused

♦ www.ecomentors.ca Pairs high school students with elementary classes to help teach learning expectations of the Ontario Curriculum. EcoMentors use EcoKids and Green Street materials.

◆ FREE GREEN MAPS OF THE GTA

Science/Geography/Phys ed/Art
Urban green tourism and sustainability have fantastic green maps of the GTA. The Green Tourism Association is looking to distribute the remaining stock 2nd Edition Green Map to schools and libraries and interested groups for their activities and assignments. Contact Melanie Howe at #416-392-1288 or http://ca_f316.mail.yahoo.com/vm/Compose?To=mhowe@toronto.camhowe@toronto.ca and place your order. Please specify number of copies and mailing address as well as contact information in your request.

◆ http://www.turtleisland.org/front/_front.htm Aboriginal owned and operated Native Network/Section for Environment and Sustainability.


◆ www.sustainlane.com a community resource website for healthy and sustainable living. Categories for sustainability in family, health, food, home, money, and transportation. Provides a green search engine for locating green business.

◆ www.enviroscapes.com Purchasable 3-D enviroscape programs. Interactive units dramatically demonstrate water pollution -- and its prevention.

◆ http://www.billnye.com/flash.html interactive general science site for students

◆ http://www.edu.gov.on.ca/eng/curriculum curriculum website for the ministry

LANGUAGE ARTS/SOCIAL SCIENCE/MATH/ COMPUTERS/ART/PHYS ED/DRAMA FOR SUSTAINABILITY

♦ www.ceeonline.org/curriculum **CURRICULUM LIBRARY FOR SUSTAINABILITY** COMPLETE LESSON PLANS AVAILABLE

Social Studies (Local community/global communities/citizenship)
Phys. Ed. (Human health, nutrition)
ART (school greening and gardens)
K-12 Science and Technology (diversity, Energy, Soils, Air & Water/ Habitats and Communities/Characteristics and needs of living things/ Ecosystems/Water systems.

Lessons span from agriculture and climate change to social action and solar energy. Each curriculum in the library has been reviewed by an environmental studies graduate student according (NAAEE) guidelines for excellence.

♦ www.kidsfootprint.org: **LESSON PLANS AVAILABLE** with colourful diagrams/activities/objectives clearly outlined. These lessons in sustainability cover:

**Grades 1-8 Social Studies & Language Arts (10 Lesson plans)**

**Computer** classes: Student section has an interactive educational quiz

**Math:** Calculating ecological footprints on site

♦ http://www.ecokids.ca/pub/index.cfm This site offers an ENTIRE **CURRICULUM CONNECTION PROGRAM**. Teachers can find lessons, activities/games and read how objectives meet Ontario Curriculum. Teachers make sure to also visit “Kids Section”

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**Social Studies:** Local Community & Citizenship “Kids Section” games/ local school action ideas/

**Phys Ed:** Outdoor games

**Science and Technology:** Water Systems/Energy/Conservation of Energy/Diversity/Ecosystems/Habitat &Habitat loss/ Animals/Plants/Weather and much more

The Extensions section provides suggestions for additional activities and discussion topics to supplement the materials being used. When presented, the extensions can often be linked to “Health and Physical Education”, “Arts” and the use of technology

♦ http://www.wildeducation.org **LESSON PLANS** all subjects: Use the WILD Search engine to assist you in finding curriculum-linked classroom activities and outdoor projects. Canadian Wildlife Federation WILD Education Programs include Project WILD, Fish Ways, WILD Schools, Focus on Forests, Ocean Education, and Space for Species. Look at some sample lesson plans for Science/Social Studies/Geography/Math/Art/Language Arts at http://www.wildeducation.org/programs/below_zero/activity/belw_act.asp

♦ http://www.on.ec.gc.ca/community/classroom arts, science and technology, language, social sciences, geography and history, computers This is environment Canada’s Great Acts for Great Lakes site. Visit the virtual school and inside find information, classroom support materials and student activities that tie-in to curriculum that help you and your students learn about the Great Lakes and the environment that surrounds us. Students and educators can click on areas of the virtual school and discover environmental issues affecting their schools and what to do about them!

♦ http://www.climatechange.gc.ca/onetonne/english/ Climate change fits in **science, social studies or geography** Government of Canada’s Climate Change website explains the “One-Tonne Challenge” They work with schools and educators to reduce annual greenhouse gas (GHG) emissions by one tonne. Curriculum materials offer detailed lesson plans, activities and visual aids for the classroom. This site also has an educational link for students.
◆ Visit the Resources for Teachers site  http://www.climatechange.gc.ca/english/teachers_resources/ or order your teachers kit

Consumer Education and Media
◆ http://www.pbs.org/kcts/affluenza/ grade 5-12. useful resource for:

language arts/social studies/ business economics/math and art. PBS educational video exploring the effect of excess consumption on our lives and communities. Each activity in this guide includes a video clip, and discussion questions which can be used before and/or after viewing the clip. The teaching guide suggests classroom activities and community action. The video will expose students to the problem of over consumption and its effects on society and the environment.

◆ http://www.askcedric.org.uk/resources/key-stages.php?stage=3 Social Studies Grade 1-6 & Language Arts grade 1-8. **LESSON PLANS AVAILABLE. This site provides a framework for consumer education. Teachers will find what they need to teach consumer education related aspects of citizenship curriculum The site provides ready-made:

- Teaching Plans
- Information about how each unit fits into a Citizenship curriculum
- Teaching Notes
- Student Worksheets
- Practical Activities
- Class and Schools Projects

◆ http://www.media-awareness.ca/english/teachers/index.cfm Language Arts/ART/Drama **300 LESSON PLANS AVAILABLE. Equip teachers with the information and tools needed to help young people develop media literacy, including a critical understanding of how television and the Internet encourage consumerism. Of special interest to educators is their extensive on-line searchable Lesson Library containing over 300 lesson plans and practical teaching units for classroom activities on media education.

◆ http://www.phschool.com/science/planetdiary/ - Language Arts & Geography-Social Studies/ Science and Tech. This is an interactive and visual site displaying earth that has on it may icons to click. Each brings a news broadcast from that part of the world concerning nature and the environment. Great pictures and interesting, current, and accurate information. A great learning tool.

◆ http://www.responsibleshopper.org/ Language Arts and Computers grade 5/6/7/8. The Responsible Shopper site allows users to compare the environmental records and workplace practices of large, publicly traded companies, as rated by the Council on Economic Priorities. Students can search by industry, brand name, and company name or product category, to obtain detailed reports on individual companies in order to determine their ethics and sustainable or unsustainable practices as a company. Students can collect company names on items around their homes and check how those companies rank on this site.

◆ http://www.blackrhinoceros.org/ Social Studies Grade 1 The Local Community/ Grade 2 Features of communities around the world. Useful for Language Arts (all grades) and computers. This site details citizen actions around the world to demonstrate how we are empowered as local citizens to create positive change. This site has the stories of successful local actions for human and environmental justice around the world. Each action is described and linked to appropriate materials and websites that help students determine what commitment a specific local action for their community requires. The site also offers advice on communicating effectively with government agencies and officials.
Powerful Statistics related to the consumption and waste of resources. Could be used to introduce a topic or help make an argument. (US statistics)

Language ARTS This web page teaches action. It has letters for students to write and send to local government about the most pressing environmental issues. It is an easy and effective way to empower students as citizens of change

Ecofootprint quiz general or detailed interactive online assessments. Jim Merkel’s (author of Radical Simplicity) site explores in detail the practice of sustainability.

This site is for David Suzuki’s Nature Challenge. Whenever Dr. Suzuki answers to the question “What can I do?” The David Suzuki Foundation has researched the 10 most effective ways we can act locally at home and at school to help conserve nature and improve our quality of life.

Language Arts 7/8 to high school/ Art / Drama Adbusters Media Foundation promotes a more active resistance to commercialism through its magazine and website. Information on taking part in Buy Nothing Day and TV Turnoff Week, Adbusters advocates a balance between the environment and the economy. Could be creative inspiration for Grade 7/8 to high school for projects in language Arts/Art/Drama as it has a good collection of “subvertisements” and offers guidelines for creating them.

MUSIC
http://www.acme.com/jef/science_songs/ - science songs, nature songs, space songs, all kinds of music to cover all curriculum

SUSTAINABLE TRIP IDEAS

Visit local Environmental & Sustainability Education – Centres, Places & Links

FoodShare works on food issues "from field to table" - meaning that they focus on the entire system that puts food on our tables: from the growing, processing and distribution of food to its purchasing, cooking and consumption. Take your class to visit this urban agriculture project.

Everdale offers K-12 curriculum-linked hands-on workshops to school groups. The workshops integrate curriculum expectations from a number of strands fostering a development of environmental literacy and stewardship. Everdale's unique 50-acre property is a vibrant, living classroom. It has an organic vegetable farm, open meadows, forests, and wetlands. Facilities include solar & wind power systems, a greenhouse, nature trails, and a community centre.

GREEN RESOURCES

In School Services, you will see other groups such as outdoored.tel and EcoSchools.tel which are great forums for information sharing and lesson sharing from other TDSB teachers
Green Teacher is a non-profit organization publishes resources to help educators, both inside and outside of schools, to promote global and environmental awareness among young people from elementary through high school.

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**www.ceeonline.org/curriculum** CURRICULUM LIBRARY FOR SUSTAINABILITY

**Native Studies** Aboriginal owned and operated Native Network. Stories/History/Environment/Resources/Education.

**FoodShare** works on food issues "from field to table" - meaning that they focus on the entire system that puts food on our tables: from the growing, processing and distribution of food to its purchasing, cooking and consumption. Take your class to visit this urban agriculture project.

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**Facing the Future** is a site to develop young people’s capacity and commitment to create thriving, sustainable, and peaceful local and global communities.

**Powering Ontario with Renewable Energy (Toronto Examples)**

**Sierra Club of Canada**

Earth day’s Civic Education Page attaches subject matter to real issues that affect student’s neighborhoods and communities. Teachers off all grade levels and subject areas are encouraged to register with Earth Day Network's Educator's Network. Receive environmental Jeopardy with registration. A game and one-day lesson plan to challenge the way students think about important issues such as recycling, energy, sustainability, transportation and pollution, and how
our daily choices affect our environment.

◆ *FREE GREEN MAPS OF THE GTA*

*Geography/Phys ed/Art*

Urban green tourism and sustainability have fantastic green maps of the GTA. The Green Tourism Association is looking to distribute the remaining stock 2nd Edition Green Map to schools and libraries and interested groups for their activities and assignments. Contact Melanie Howe at #416-392-1288 or http://ca.f316.mail.yahoo.com/ym/Compose/?To=mhowe@toronto.ca and place your order. Please specify number of copies and mailing address as well as contact information in your request.

◆ [www.ecomentors.ca](http://www.ecomentors.ca). Pairs high school students with elementary classes to help teach learning expectations of the Ontario Curriculum. EcoMentors use EcoKids and Green Street materials.

◆ [www.green-street.ca](http://www.green-street.ca) Credible, accessible and affordable programs relevant to curriculum. Programs encourage a sense of personal responsibility for the environment, commitment to sustainable living, and promote environmental stewardship. This site has a student section and teacher section. Follow the cues in the Teacher Zone to Book a program. Select the criteria for region and class level, complete the on-line application form, and click SUBMIT. After a teacher submits the on-line application, the provider for the selected program will review and verify the teacher information. The teacher will then receive a call or fax from the selected organization to arrange for delivery of the program.

◆ [www.sustainlane.com](http://www.sustainlane.com) a community resource website for healthy and sustainable living. Categories for sustainability in family, health, food, home, money, and transportation. Provides a green search engine for locating green business.


◆ [http://www.edu.gov.on.ca/eng/curriculum](http://www.edu.gov.on.ca/eng/curriculum) curriculum website for the ministry

**TAKE SCHOOL ACTION**


*Wind Power Educational Fundraiser!* See how teacher’s students and parents have joined the WIND POWER REVOLUTION to raise funds for their school! It is an innovative, environmental way to raise funds. They work with The Pembina Institute on a revenue-sharing basis to raise money for their school AND do something really great for the environment!

◆ [http://www.davidsuzuki.org/WOL/Challenge/default.asp](http://www.davidsuzuki.org/WOL/Challenge/default.asp) This site is for David Suzuki’s Nature Challenge. Whenever Dr. Suzuki answers to the question “What can I do?” The David Suzuki Foundation has researched the 10 most effective ways we can act locally at home and at school to help conserve nature and improve our quality of life.


◆ [www.earthday.net](http://www.earthday.net) Celebrate Earth Day at your school

Do the *Ecofootprint quiz* on the homepage. This site gives advice on conservation of energy, composting,
renewable resources and more. Earth day’s Civic Education Page attaches subject matter to real issues that affect student’s neighborhoods and communities.

♦ [http://www.energyhog.org/](http://www.energyhog.org/) how to conserve energy at home and in school to help the environment.

♦ [www.grassrootssstore.com](http://www.grassrootssstore.com) Grassroots is a Toronto company that offers environmentally-friendly products from office supplies to cleaning products.

♦ [http://www.planetfriendly.net/calendars.html#Toronto](http://www.planetfriendly.net/calendars.html#Toronto) Ecological & Progressive Calendars of Toronto Events, Films, Courses, Workshops, Festivals & Conferences, Peace, Environment, Sustainable Living, Human Rights, Social Justice, Organic Food & Gardening, Renewable Energy, Globalization, Fair Trade...

♦ [http://www.planetfriendly.net/goodwork.html](http://www.planetfriendly.net/goodwork.html) meaningful projects and career ideas for students.

**COMPOSTING & RECYCLING IN YOUR SCHOOL**

♦ [http://www.compost.org/englishoverview.html](http://www.compost.org/englishoverview.html) Composting council of Canada

♦ [http://www.wastefreelunches.org/schools.html](http://www.wastefreelunches.org/schools.html) have a waste free lunch at your school!

♦ [http://compost.css.cornell.edu/schools.html](http://compost.css.cornell.edu/schools.html) Composting in your school

♦ [http://www.rco.on.ca/factsheet/fs_aa10.html](http://www.rco.on.ca/factsheet/fs_aa10.html) Improve waste reduction at your school

♦ [http://www.cathyscomposters.com/squirm.htm](http://www.cathyscomposters.com/squirm.htm) a place to order your worm composters for your school. Cathy will deliver!

♦ [http://www.ciwmb.ca.gov/KidStuff](http://www.ciwmb.ca.gov/KidStuff) waste awareness site for students. Video about composting with worms by Vermi the Worm. Section link for teacher resources.

♦ [http://www.wastefreeschools.org/PDF/away_waste.pdf](http://www.wastefreeschools.org/PDF/away_waste.pdf) A complete teachers guide to starting a school waste reduction recycling and composting program

**SUPPORT LOCAL BUSINESSES**

**BUY LOCAL AND ORGANIC PRODUCE FOR YOUR SCHOOL CAFETERIA & START A SCHOOL GARDEN.**


♦ http://www.cityFarmer.org/schgard15.html  Info for school gardens composting and more…

♦ www.edibleschoolyard.org How to start a school garden.

♦ http://journeytoforever.org/edu_garden_link.html  gardens and much more

♦ http://www.foodshare.ca/school01.htm FoodShare works with Toronto Public Health to sponsor the Toronto Partners for Student Nutrition, supporting over 300 student nutrition programs in Toronto. FoodShare works on food issues "from field to table" - meaning that they focus on the entire system that puts food on our tables: from the growing, processing and distribution of food to its purchasing, cooking and consumption. Take your class to visit this urban agriculture project

♦ Foodshare will deliver fresh fruit and vegetables at an affordable price to schools. The Salad Bar project is currently being piloted in schools as a new way to encourage children to get a wide variety of fresh, nutritious foods.

♦ http://www.foodshare.net/toolbox_main.htm A toolbox for community gardens and more

♦ http://www.veg.ca/directory/organics.html Organic produce deliveries.

WATER CONSERVATION:

♦ www.toronto.ca/water  Recycle your rain… call 392-1807 Toronto’s downspout disconnection program disconnects downspouts. Ask them to attach your schools downspouts to their available rain barrels. Rainwater collected can be recycled to water school plants and gardens.

♦ http://www.ecoschools.com/Water/Water_wSidebar.html

RENEWABLE ENERGY


♦ http://powerupenergy.ca/pr20041119.html  (See renewable energy systems installed by other Ontario Schools  http://powerupenergy.ca/press.html

http://www.limestone.on.ca/ibuild/fssscience/

ECOACTION FUNDING CANADA

Cambridge Ontario based Solar Power Plant (one of the largest)

**ASSESS YOUR SCHOOL’S ECOLOGICAL FOOTPRINT**


**VISIT EXAMPLES OF SUSTAINABLE AND ALTERNATIVE LIVING**

- [http://www.everdale.org/](http://www.everdale.org/) Everdale offers K-12 curriculum-linked hands-on workshops to school groups. The workshops integrate curriculum expectations from a number of strands fostering a development of environmental literacy and stewardship. Everdale's unique 50-acre property is a vibrant, living classroom. It has an organic vegetable
- [http://www.foodshare.ca/school01.htm](http://www.foodshare.ca/school01.htm) FoodShare Urban agriculture nutrition program
- [http://www.planetfriendly.net/learn.html](http://www.planetfriendly.net/learn.html) Visit local Environmental & Sustainability Education – Centres, Places & Links

**START AN ECO-CLUB**


**GET CERTIFIED AS AN ECOSCHOOL WITH TDSB**