

Greener Delta -

April 24, 2010
Lansing Community College
West Campus

Greener Delta is a one-day event intended to provide education about alternative energy uses, increase environmental awareness, and expand knowledge of environmentally conscious lifestyles for individuals of all ages.

Greener Delta includes a wide array of student demonstration projects and contests, a large green+ business/vendor exhibit area, a number of green+ speakers and presentations, plus food and lots of fun and entertainment options for the entire family.

Special guest this year is magician Kevin Barnes, who will be presenting his **Green Earth Magic Show**+at several performances throughout the day. Kevin has performed at all the major Las Vegas hotels, and will teach us that even the smallest effort can make a world of difference. www.greenmagician.com



Students participating in the Solar car races at the 2009 Event.



Excalibur - Las Vegas

Greener Delta is a collaborative effort between Delta Township, Grand Ledge Public Schools, Waverly Community Schools and Lansing Community College.

Everyone is welcome, and admission is
FREE!

The event would not be possible without the generous support of corporate sponsors. Sponsorship comes in the form of both monetary donations and gifts-in-kind. Sponsorship opportunities are still available; inquire at Delta Township.

Gifts, door prizes and awards will be given away throughout the day!!!

Visit Greener Delta website for complete event program and details.

www.GreenerDelta.org



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April 24, 2010
Lansing Community College
West Campus

Greener Delta
c/o Delta Charter Township
7710. Saginaw Highway
Lansing MI 48917
Phone: 517.323.8500 FAX: 517323.8599

2010 Greener Delta



6th, 7th & 8th Grade Projects

- Windmill Demonstration (6th grade)
- Stock Solar Car Races (7th grade)
- Modified Solar Car Races (8th grade)



Involve your students in Greener Delta! These are **FREE** opportunities to teach your students about sustainable living. Some projects are limited and provided on a first come, first served basis.

To reserve and register your project, please contact Heather Pettinger at hpettinger@deltami.gov or call 323-8500.

The Windmill Demonstration!

6th grade students may make your own operational windmill.



The Windmill Kit provides for each classroom to design and make four operational windmills. The students, in groups, will assemble their windmill, display the windmill in a unique way and provide an example of how their wind energy will be utilized. Students will learn its operations, and may study in conjunction with the project, where wind comes from, airflow, 2-blade versus 4-blade rotors and the The Giant Wheel from Babylonia. All windmills are welcome and encouraged to be on display at Greener Delta. (Note: Limited to the first 10 classrooms.)

Stock Solar Car Races!

7th grade students will build and race their cars.

Classrooms will have the opportunity to have five solar car kits per class. The kit comes complete with all necessary parts to make the car operational. Students will build the car in groups, document their progress in a poster, name their car, and race it at the Greener Delta event. The solar car demonstrates uses for the sun's natural energy other than light and heat and how natural energy may be captured and utilized without harmful environmental consequences. (Note: Limited to the first 6 classrooms.)

Gold, silver and bronze medals will be awarded to the top three finishing cars in this division.



See www.greenerdelta.org for complete race rules and details.

Modified Solar Car Races!

8th grade students will build and race modified solar cars.

Each classroom will be provided five solar car kits and a box of pieces and parts from previous kits. Students will build the cars in groups, modify the car how they wish, document their progress in a poster, name their car and race it at the Greener Delta event. (Note: Limited to the first 6 classrooms.)

Gold, silver and bronze medals will be awarded to the top three finishing cars in this division.



During this lesson, students will be exposed to capturing the sun's natural resources and exploring alternatives to gas run automobiles.