

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.



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

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



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

2010 Greener Delta



High School Projects

- Solar Oven Demonstrations
- Rube Goldberg Machine Contest



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.

Solar Oven Demonstrations

9th-12th grade students may construct and utilize a solar oven.



The solar oven provides the basis for learning about the focal point, focal length, how light is refracted, the hottest area in the oven, using the oven to cook and simmer based on the light angle, and actually baking cookies with the sun's heat. Teams should document their learning in a poster to be displayed at the event. All teams are welcome to demonstrate their oven

at Greener Delta, weather permitting (cookie dough provided). All teams need to pre-register for

the event. (Note: Limit 4 classrooms, at 2 ovens per classroom.)



Rube Goldberg Machine Contest

9th-12th grade students are invited to take recycling and their imagination to a new extreme!

Rube Goldberg, a Pulitzer Prize winning cartoonist, was famous for taking simple tasks and making them amazingly complicated.

This contest will require a team of not more than six (6) students to build a Rube Goldberg machine that will select an aluminum can, crush it and move it into a recycling holding bin.

All machines will be put to the test at Greener Delta and will be judged by a panel of local engineers.

PRIZES: Each member of the winning team in the Rube Goldberg Machine Contest will be awarded a brand new Netbook/Mini Laptop Computer!

All materials used to build the machine should be reused items whenever possible, such as junk from your attic, basement or garage. Each machine may be no larger than 5qhigh x 5qwide x 5q deep, include a minimum of 20 individual steps or operations, and complete its function twice within a 9 minute time frame.

In addition to building and demonstrating their machine, each team must prepare a step-by-step written description of its operation.

The contest entry form and the Official Rules are available at www.GreenerDelta.org. Hurry, as space is limited. The competition will be limited to the first ten (10) teams that register. Registration must be submitted by April 1, 2010.

For more information on Mr. Goldberg visit www.rubegoldberg.com.

