

Presented by:  
Ihor Charischak  
[ihor@clime.org](mailto:ihor@clime.org)

Council for Technology in  
Math Education  
(CLIME)

<http://clime.org>

(Link to latest version of this  
page)

[Sign in](#) for Today's  
session

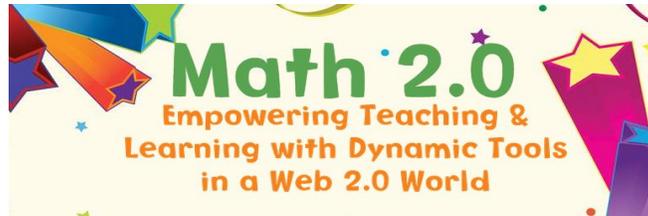
See [list of attendees](#)

*Come and see examples  
of how Web 2.0 and  
dynamic software can  
transform math learning  
and teaching.  
Participants will  
experience a series of  
unique and compelling  
collaborative activities  
that incorporate  
significant software  
environments  
(spreadsheets,  
Sketchpad and Web  
applets) that will help a  
teacher to engage  
students in gaining a  
deeper understanding of  
powerful mathematical  
ideas.*

## Resources

[Current list](#)  
[DMC Blog](#)

[Road Sign Problem](#)



updated: 4/5/14

## 0 Set the Stage: Overview of Math 2.0

Warm-up video: [Hans Rosling's dynamic video](#) (4min)  
Quicktime movie (10:40) of my slide presentation - [link](#) -  
full audio to be added later. Will let you know when its  
done. (Alternate site [link](#))

## 1 Jinx Puzzle

Pick a number, Add 11, multiply by 6, subtract 3, divide  
by 3, Add 5, Divide by 2, Subtract the original number.  
(Why is this called the Jinx puzzle?)  
Blog entry - [link](#)  
Jinx puzzle lesson - [link](#)

## 2 Average Traveler Activity

Today we are going to find out who traveled the average  
distance to get to this conference. First we'll start off with  
a guess. What do you think is the average distance that  
the members of this group traveled today?  
[Link to activity](#)  
My blog entry about this activity - [link](#)

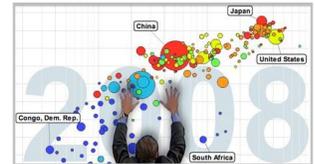
## 3 The Great Green Globes Challenge

What is the highest score you can get for this array of  
Globes? ([Link](#)) Globes [Blog entry](#) and [Video tutorial intro](#)  
(3:40)  
[Video: Green Globes meet Parabolas](#) (3:44)  
Neil Cooperman - [Green Globes Contest](#) (1995) - video  
(12:30)

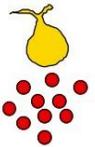
## 4 Measuring the circumference of the Earth

Over 2,000 years ago Eratosthenes made a remarkably  
accurate measurement of the earth's circumference. This  
project is a recreation of that measurement and requires  
collaboration of students in places at different latitudes on  
the earth to make shadow measurements, share data,  
use a spreadsheet (optional) to make comparisons, and  
then replicate and share their results.  
[In the Spirit of Eratosthenes: Measuring the  
circumference of the earth](#) - Ihor's article  
Every March and September - [Collaborative Project  
Website](#)

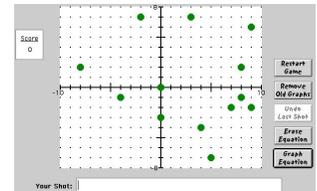
**NCTM Conference**  
Session #398  
Friday, 4/11/2014  
Grand Ballroom A  
Hilton Hotel  
11:00am-12:00pm



Pick a number

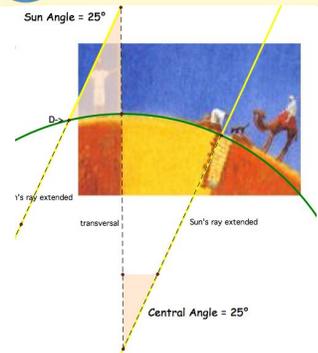


Add 11



## The Noon Day Project

Measuring the Circumference of the Earth



Go to <http://clime.org> to find the link to this page.