

## A Mathematical Mystery Tour

Instructor: Dr. Kirthi Premadasa, Math Department

Get ready to be taken on a mathematical mystery tour. First we will walk you through the footsteps of mathematicians, who struggled centuries to solve puzzles, which are so teasing that you would think a solution is just around the corner. You will get an early glimpse of the biggest of these puzzles, such as the Fermat's Last Theorem, the Four Color Problem, the Goldbach Conjecture and the odd perfect number and get a chance to discover some early solutions yourself. Then you will have a rare privilege of joining the campus math-magic academy, where we will teach you a number of cool magic tricks, which have some neat mathematics behind them. Imagine how surprised everyone is going to be when school starts! Finally you will get a once in a life time chance to join our secret campus crypto community where you will learn how to make and break secret codes using basic mathematics. A week of mystery and intrigue! Your summers will never be the same.

## From the Page to the Stage – Workshop On Play Production

Instructor: Dr. Lauren Love, Theater Department

Students will be introduced to the world of live theatre production by working as a team to transform a written script into a performance. Participants will learn about acting, costumes, lighting, sound, makeup and stage direction and pool their talents and efforts to produce a scripted scene by the end of the week. This is a great workshop for young theatre lovers to learn more about being in front of the footlights and behind the scenes.

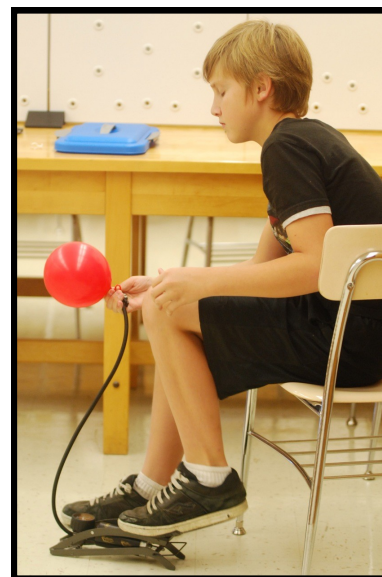


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# Middle School University

## August 5-9, 2013



Classes presented &  
created by  
UW-Baraboo/Sauk  
County  
Professors  
for the  
Highly Motivated &  
Academically  
Talented Student in  
Grades 5th-8th

Join us at  
UW-Baraboo  
for  
One Full Week!  
Monday-Friday  
August 5th-9th

Register for a  
Morning Class for \$89  
Afternoon Class for \$89  
Or Full Day for \$150.00!



## MIDDLE SCHOOL UNIVERSITY 2013

### ***Chemistry in the "Lime Light"***

Instructor: Dr. Stephen Swallen, Chemistry Department

Brilliant! Did you know you can create light without any electricity? Just mix the right chemicals together, and voila! Find out, and recreate, how miners illuminated their dark tunnels before the invention of electric light. Come join an exploration of light in the Chemistry lab. We will discover how to make, diffract, absorb, bend, measure and admire visible light.

### **National Treasure - Baraboo: Historical Treasure Hunt**

Instructor: Dr. Mike Jacobs, History Department

The hunt is on! In this class students will search for Baraboo's national treasures. To find the treasure, students will need to employ historical research skills. Work with your teammates and be the first to find this year's treasure! (Treasure Hunt is different from last year!)

### **Presidential Elections in American History**

Instructor: Dr. Mike Jacobs, History Department

What helped President Obama win re-election in 2012? What is the Electoral College and why do we have it? Why has no Republican ever won the White House without winning Ohio? Why have so many successful national candidates been from Virginia, New York, Ohio, and Indiana? What is the "solid south"? What made the 2008 presidential election historic? Find the answer to these questions and many more in this student-oriented class that will examine presidential election history.

Join us this year for One or Two classes!

### **The Legacy of Poe: Modern Tales of Horror and the Macabre**

Instructor: Dr. Marc Seals, English Department

*By popular demand*, this summer we will focus on the stories and poems of authors, who followed in the footsteps of Edgar Allan Poe—writers like Neil Gaiman, Ray Bradbury, Roald Dahl, and H. P. Lovecraft. Join us as we read *more* tales of murder, revenge, lost loves, torture, the plague, being buried alive, insanity. . . . What could be more fun?

### **Wisconsin Archaeology**

Instructor: Dr. Thomas Pleger, Dean & Campus Executive Officer, Associate Professor of Anthropology/Archaeology

Learn about the first people in Wisconsin and how prehistoric Native American cultures lived and thrived in Wisconsin before the arrival of Europeans. Dr. Thomas Pleger will take students on field trips to see prehistoric Native American sites, including such places as Devil's Lake Mounds, Man Mound Park and Natural Bridge State Park. During this week long class, Dr. Pleger will discuss how archaeologists identify and excavate ancient archaeological sites. Students will also learn how archaeologists recover information about the past, determine how old something is, and use artifacts to reconstruct vanished cultures.

