

# 19th Annual ACS Chemistry Open House & SCIENCE EXPLORATION GALLERY at Texas A&M University

American Chemical Society National Chemistry Week Celebration  
October 28, 2006

WEBSITE: [WWW.CHEM.TAMU.EDU](http://WWW.CHEM.TAMU.EDU) AND CLICK ON CHEMISTRY OPEN HOUSE

Start your wonderful chemistry experience here in the foyer outside Room 100 CHEM at the Welcome Table staffed by Judy Ludwig, Ashley Mosely, Bonnie Schiller and First Year Chemistry students. You should

- Pick up this schedule, (which you've already done!),
- a bag of **chemistry goodies**, with fun magazines (Turn over for listing of all the goodies)
- a map showing Sbis Dining Hall. Just before you go to eat, you can get a coupon for \$1 off at the Welcome Table for **all-you-can-eat buffet** giving you the special price of \$6.25 (normally \$7.25).
- extra ACS publications and other items are available to teachers and interested parents.

Many of these demos & goodie bag items can be obtained at Educational Innovations ([www.teachersource.com](http://www.teachersource.com)) There are **THREE** showings of **The Chemistry Road Show** featuring fires, explosions, weird polymers, super cold materials and other things to amaze you in Room 100 Chemistry at 10am, 12noon and 2pm (Dr. John Hogg, Ashlee Jahnke and Mary Ellen Passarelli). Highly recommended for all ages. Get your ticket for fun science door prizes as you enter Room 100. The drawing will immediately follow each show.



## Demos and Fun Activities



10:00am – 3:00pm in Chemistry's New Wing

Go outside, go down the stairs toward the 3 round brick fountains (called H<sub>2</sub>O fountain - it's a chemistry thing) and turn right (north). Follow the signs and sandwich boards. Turn right at Ross St. The entrance into the new wing is on your right.

Drs. Joe Mawk and Tatiana Erukhimova will be helping to keep things running smoothly.

**Second Floor of New Wing:** (☞ Activities with this symbol are available on a walk-in basis)

- ☞ **Science Activities "In the Hall":** Hands-on demonstrations by the Chemistry research groups of Drs. Marcetta and Don Darensbourg, Dr. Daniel Romo and Dr. Vickie Williamson, plus other TAMU student groups including Student Engineering Council, TAMU Student Chapters of the Health Physics & the American Nuclear Societies and Chemical Engineering.
- ☞ **Hands-On Polymer Activities and Nail Painting with Sunlight Sensitive Polish** Rooms 2213 and 2215. Drs. Pennington and Gopalakrishnan, with Ms. Carrie Nichols plus student volunteers.
- ☞ **More Fun with Student Engineer's Council:** Rooms 2204 and 2206.

### First Floor of New Wing:

- ☞ **ROOM 2102 "See, Touch and Think" Chemistry Demos** (Chem 116 students with Dr. Williamson)
- ☞ **ROOMS 2104, 2121, lobby and outside - Physics Demonstrations to Amaze You including the "Physics of Baseball and Sports" with actual baseball & softball pitchers!**
- ☞ **ROOM 2101 "Mutation Station: Fly Fascination!" Biology Demo** (Dr. Ginger Carney and students)
- ☞ **ROOM 2109 - Create your own protein, DNA, or make your own chemicals using the computer:** Recommended for 6th grade and up, but all are welcome. (Dr. Lisa M. Perez, Laboratory for Molecular Simulation)
- ☞ **ROOM 2119 - "Jumping Cookies"** (Dr. Dong Hee Son and students)
- ☞ **ROOM 2122 - "Can you drop an egg without breaking it?"** (Student Engineer's Council)
- ☞ **Outside - "Pop Rocket"** (Student Engineer's Council) and **"Straw Rockets"** (Students for the Exploration and Development of Space)
- ☞ **Outside - "Insulation - What Keeps Your Soda Colder?" and "Bubble Trouble"** (Thom Jose & Blinn College ACS student affiliate volunteers)

# GUIDED RESEARCH LAB TOUR GLASSBLOWING DEMONSTRATION

All tours will be led by TAMU undergraduate ACS Student Affiliate members

Katie Regan, president

PLEASE DO NOT TOUR INDIVIDUALLY.

- ★ **LAB TOUR: Working in an Inert Atmosphere. Manipulation of Sensitive Substances in a Glove Box.** Room 1305 (Tom Taylor, Dr. Gabbai's Group) Demonstration appropriate for 6th grade and above, but all ages are welcome. Meet your tour guide in the lobby (foyer) outside Room 100 (where the show is) to begin tours in groups of about 10 people at 11:15am, 11:45am, 12:15pm, 12:45pm, 1:15pm, 1:45pm.
- ★ **Glassblowing and Chemistry:** Room 2004. All ages welcome. (Bill Merka) (*only until 1pm*)

For safety reasons, all children under the age of 12 **MUST** be accompanied by an adult. Do not enter any lab unless directed to and, for your safety, please do not touch anything in the lab. Safety glasses will be provided and must be worn in the labs. Please return them to your guide when the tour or demonstration is complete.



An All-You-Can-Eat Lunch Buffet is available at Sbisa Dining Hall  
for the special price of \$6.25  
with \$1 off coupon from the Welcome Table

*Think CHEMISTRY every day and how it affects every  
aspect of our lives.*

*I hope you have a wonderful time today.*

*Sincerely, Dr. Wendy L. Keeney-Kennicutt,  
Coordinator of National Chemistry Week, TAMU*

## YOUR GOODIE BAG

1. "Celebrating Chemistry: Your Home - It's All built on Chemistry!" - a fun workbook with Chemistry ideas
2. "ChemMatters" - a student magazine about Chemistry – Your Home - It's All built on Chemistry!
3. Two periodic tables of the elements - one can change color with heat - touch it and see!
4. National Chemistry Week fun things: a sticker, pencil, balloon, a tiny Nan-o-mol mascot and magnet.
5. Patch - "Your Home - It's All built on Chemistry!"
6. "National Chemistry Week Tattoos" - fun, temporary tattoos of our Chemistry Mascot - Avogadro, the mole.
7. "Miracle Fish - the Fortune Teller" - how does the little red fish tell your fortune? Does it react to light? Heat? Moisture? What is the chemistry behind the fish?
8. Three colorful 2 milliliter vials
9. "UV Detecting Bead bracelet" - the UV sensitive beads contain a pigment which changes color when exposed to ultraviolet light from the sun or other UV sources. Take them outside to see what colors you got! You can observe the effects of UV light from the sun on different colored beads and at different times of day. Put different transparent filters or suntan lotion between the sun and the beads. Try eyeglasses and UV absorbing window film. Try comparing a car windshield with the side windows.

**Jason's deli**

Kudos go to Jason's Deli for helping to provide refreshments for all our wonderful volunteers!