



# Gateway to Science NEWS

It's Fun...It's Cool...It's Awesome...It's SCIENCE

## JOIN THE 15th BIRTHDAY CELEBRATION!!

It's fun,  
it's cool,  
it's awesome.  
It's science!

We're planning a special celebration of the 15th birthday of North Dakota's first (and only) hands-on science center. We hope you can join us for the fun...and a few surprises!

**Friday, September 25, 5-8 pm:** Members and Sponsors only—have "Fun with Food" while learning about science! Bring the entire family to explore the Frances Leach High Prairie Arts & Science Complex for a progressive picnic that

will be fun and educational. Free to our members and sponsors. Not a member? Don't worry - memberships will be available for sale at the door. Stop by the office anytime to purchase a membership or go online!

**Saturday, September 26, 1-4 pm:** FREE to the public. We're planning a special birthday party for the general public! Bring the entire family to explore the interactive exhibit gallery and special science presentations taking place on stage throughout the day.

**THANKS to our SPONSORS!** The generous contributors listed at the right have provided funds to make our celebration possible (and free). Contact Beth at 701.258.1975 for more information on how you can support bringing more years of science to the children of North Dakota!

### 15th BIRTHDAY SPONSORS

**Platinum:** Basin Electric Power Coop.

**Silver:** AE2S; Arthur A. Link Family;  
Bartlett & West Engineers;  
Dakota Pharmacy

**Bronze:** Great River Energy;  
North American Coal Royalty Company;  
Northern Improvement;  
Scott & Sandy Olson

### Chemistry Demo Night

It's like a magic show with the secrets revealed! Join us in celebrating National Chemistry Week by coming to this FREE event on **Tuesday, October 20, at 6:30pm**. Exciting chemistry demonstrations will be performed live by local chemistry teacher Scott Weigum. The event is open to the public. Bring the whole family!



### FIELD TRIP SEASON

School is back in session for students and many are eager to visit the Exhibit Gallery! Teachers - schedule your class field trip for this fall by calling us at 701.258.1975.

### Haunting Arts & Spooktacular Science

Our annual family event is being held on Halloween this year—October 31st. Dress up in your costumes and join us anytime between 12Noon and 4:00pm for some *spooky and fun* family entertainment! Tickets will be sold carnival-style with each activity requiring a certain number of tickets.

#### THIS YEAR'S EVENT HIGHLIGHTS:

Spooktacular Science Experiments  
Haunting Melodies  
Scary Sound Effects  
Halloween Arts Projects  
A Frightfully Good Theatrical Production  
Chilling Cookies

**Free** hotdogs & beverage between Noon & 1 pm, provided by Cloverdale & Burger King  
Check out the website at [www.highprairiecomplex.org](http://www.highprairiecomplex.org) for complete details.

### UPCOMING EVENTS

#### SEPTEMBER

- 10: Science Joules Meeting
- 12: Barnes & Noble Bookfair
- 25-26: Gateway to Science 15th Birthday Party

#### OCTOBER

- 2: Visiting Scientists Series - Joseph J. Vacek, J.D.
- 20: Chemistry Demo Night
- 31: Spooktacular Science

#### NOVEMBER

- 14: Einstein on Wine

### NEW SCIENCE TRUNKS

Our new Early Childhood Traveling Trunks are ready to go! These trunks, created by pre-service teachers at the University of Mary, are designed to be rented by parents and teachers of children ages 3-7. The trunks spark children's interest to play, discover, explore and contemplate various science concepts. Instructions for fun science activities, as well as many of the required materials, are included. The description for each science trunk is available on our website. The fee to rent a trunk is \$10 plus a \$10 refundable deposit. Visit our website or call us for more details.



GATEWAY TO SCIENCE  
1810 Schafer Street, Suite 1  
Bismarck ND 58501-1218  
701.258.1975

## Former Science Club Student Selected as National Semifinalist!



Discovery Education and 3M have announced the top 50 middle school students from around the nation who are semifinalists in the 11th annual Discovery Education 3M Young Scientist Challenge. CHRIS RIEDMAN was selected to represent North Dakota for a competition to name "America's Top Young Scientist."

Chris is a frequent visitor of Gateway to Science and has been involved in our Young Scientists and Science Discovery clubs from an early age. His creativity and enthusiasm for science are truly being rewarded with this nomination. As a semifinalist, Chris will receive \$250 and a prize package to include a plaque honoring his science teacher. Chris has chosen to name Christie Weixel, Gateway to Science Program Coordinator, as the honorary science teacher for the plaque. Everyone at Gateway to Science is very proud of Chris!

## 2009 FALL SCIENCE CLUBS

Hey boys and girls! Do you have questions about the world around you? If so, you'd love our science clubs. Join us this fall for Young Scientists Club or Science Discovery Club! This semester we'll be exploring a variety of topics, including acid rain, how paint is made, how hoopsters fly, jiggle jelly and much more. The cost is \$80 for current members; \$100 for nonmembers (which includes a complimentary Student membership for one year). The fee includes all materials and a colorful chromatography T-shirt to take home. Join a club where science is messy, hands-on and fun! Register on our website, by mail using the form to the right, or in person by September 14th.

### Meeting Dates/Times/Grades

Young Scientists Club: Grades 5 & 6 (4:00-5:00pm)

Science Discovery Club: Grades 4 & 4 (5:15-6:15pm)

Both clubs will meet for 10 Mondays: September 21,

October 5, 12, 19 & 26, November 9, 16, 23 & 30

and December 7. [Register for Science Clubs](#)

## LOOKING BACK ON THE FUN WE HAD DURING THE SUMMER

Decorating birdhouses at  
A Day For the Birds



Bubble Bliss was another big success this year with over 150 visitors. The giant bubble was a hit with kids of all ages! (shown below) Other activities included Body Bubbles, Anti-bubbles, Frozen Bubbles, and Bubble Foam.



LEGO camps are all about  
having fun!



SUPER Summer had a variety of classes to include Chemical Reactions (shown below), Kitchen Chemistry and more!



Bubble Foam at Bubble Bliss



Chris Riedman launched his  
own rocket at Family Rocket Day!



Check our website for more cool pictures of our summer events!

Launching a rocket at  
Family Rocket Day



THANK YOU to all of the Family Rocket Day volunteers this year!



Barnes & Noble  
**BOOKEAIR**  
Supporting



GATEWAY to  
SCIENCE

Don't miss our annual fundraising event at Barnes & Noble - **Saturday September 12th from Noon-4pm**. Print a Wish List and Voucher on our website. Simply present the voucher at the time of your purchase. A portion of the proceeds will be donated to your favorite science center! Or mention our **BookFair ID #10009827** to the cashier. Note: Café sales as well as pre-orders are included so enjoy a cup of coffee or a latté while you shop!



Presents...  
**Joseph J. Vacek, J.D.**  
 University of North Dakota

**FRIDAY, OCTOBER 2, 7:00PM**

**“SPY PLANES OVER YOUR BACKYARD”**

Free & open to the public

Dr. Vacek will discuss the cutting edges of unmanned aircraft systems capabilities as well as explore the impact that technology has on us today. Audience interaction and a demonstration flight in the auditorium will highlight the event.

Basin Electric Auditorium, Natural Energy Center of Excellence - Bismarck State College  
 304 Schafer Street, Bismarck ND



Thank You to our recent volunteers:

**A Day for the Birds:**

*Duane Aman; Marva Anderson; Faye Barry; Charles Cullen; Marge McLaughlin; Becky Mehlhoff; Judy Ohlhauser; Larry Roth; Andrew Weixel*  
**Family Rocket Day:** *Bill Blotsky; Connie Bye; Jim Carter; Russ & Jan Grabinger; Logan Kramer; Jim Leary; Chris Riedman; Pat Riepl; Larry Roth; Pat & Stephanie Scott; Andrew Weixel; Jeremy Whitmore; Mike & Brian Whorley*

**Bubble Bliss:** *Mike & Marianne Blasco;*

*Connie Bye; Jim Carter; Eryls Fardal; Joceyln Flakker; Marilyn Heinemeyer; Edith Ruff; Roy Stugelmayer; Elise Tuntland; Beatrice Zander*

*\*RSVP volunteers are listed in italics.*

**W**e would like to extend a special “Thank You” to the following donors for June, July and August:

**Corporate Donations**

Bismarck Lions Club; BNI Coal; Pearce & Durick

**Individual Donations**

LaVera Edick; Dale & Jennifer Heglund; Tom & Katie Hutchens; Karol Riedman; Gregg & Sandy Wiche

**Memorial Donations**

In memory of Rosetta Erb by Irene Carter;  
 In memory of Dr. Clint Kopp by Gary & Connie Grittner

**Einstein on Wine 2009**

**Saturday, November 14**

**7:00 p.m.**

Tickets: \$25 for members and \$35 for nonmembers

Tickets can be purchased online or at Gateway to Science.

- Chef Showdown featuring Defending Champion Mike Britain
- Silent Auction & Cash Raffle
  - Explore the Exhibits Gallery
  - Dessert Buffet
  - Piano Music



Mark your calendar—  
 you won't want to miss this fun event!

**W**elcome to new and renewing members of Gateway to Science:

**SUSTAINING:** Joel & Linda Gutensohn; Mike Jankoviak & Joan Connell; Brett & Dawn Jochim; Larry & Joan Klemer; David & Marilyn Vinchattle; Curt & Bev Walth

**FAMILY PLUS:** Jennifer Bender; Don Haag; Jeff & Lori Hinz; Thomas Langer; Mike & Michelle Leary; Libby Robertson; Kelly Savage

**FAMILY:** Shlomo Adelman; Camille Ahlgren; Jennifer Bergman; Karl & Sarah Carlson; Hannah Chijioke; Tony & Amy Clark; Dean & Denise Cota; Stephanie Cress; Mark & Amy Ekerberg; Jennifer Fink; Stacie Fleck-Merkel; Denise Folston; Christina Hathaway; Dan & Jennifer Hathaway; Mark & Julie Hathaway; Dale & Jennifer Heglund; David Jensen; Bonnie & Chris Johnson; Frank Kraft; Terry & Diana Lincoln; Luz McCann; Dawn Michel; Nicole Morrison; Gina Padilla; Brad & Christy Peterson; Paul & Jennifer Rechlin; Miriam Rubin; Julie Rutherford; Laurie Schepp; Patrick & Julie Schwartz; Scott & Jenny Tschaekofske; Rebecca Whiting; Terry & Linda Wolf

**GRANDPARENTS:** Joseph Barron; Harvey & Janet Demke; Tom Hug

**INDIVIDUAL:** Kathy Schatz

**SENIOR:** LaVera Edick; Marlys Hathaway

**STUDENT:** Hunter Albertson; Braydon Blumhagen; Devyn Bollinger; Trysten Climer; Dawson Heit; David Hoffman; Nathan Gedrose; Zane Ritz; Joey Sanstead; Zac Thompson; Brendan Wingarter

**SCIENCE CLUB Registration Form**

Student's Name: \_\_\_\_\_

School: \_\_\_\_\_ Grade: \_\_\_\_\_

Parent's Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Email: \_\_\_\_\_

Phone #: \_\_\_\_\_

Please choose a science club:

- Science Discovery Club
- Young Scientists Club

\$80 - Member # \_\_\_\_\_

\$100 - Nonmember

We at Gateway to Science aim to inspire and instruct students of all abilities. Please describe anything that would help us better reach and understand your child.

Photos of my child taken during programs may be used for GTS publications and media.

(parent/guardian signature) \_\_\_\_\_ (date) \_\_\_\_\_

Upgrade or purchase a membership:

- Sustaining \$125
- Family Plus \$70
- Family \$50
- Grandparents \$45
- Individual \$30
- Student \$20
- Senior (62+) \$20
- Additional Donation \$ \_\_\_\_\_

**Total Amount Enclosed: \$** \_\_\_\_\_

Please mail along with payment to:  
 Gateway to Science  
 1810 Schafer Street, Suite 1  
 Bismarck, ND 58501-1218

\*Note: A Nonmember price includes a complimentary 1-year Student membership. Your membership card will be processed and mailed within 5-7 business days after we receive your Membership application.

**ALL MEMBERSHIPS WILL BE VERIFIED.**

**Become a Science Joule!**

A new group of volunteers is being formed to help plan and execute social and fundraising events to benefit Gateway to Science. The Science Joules (unit of energy) will meet for the first time on **Thursday, September 12, at 7 p.m.** at GTS. If interested, please attend, or contact Beth for more details (701.258.1975).



Gateway to Science Center, Inc.  
 1810 Schafer Street Suite 1  
 Bismarck ND 58501-1218

Nonprofit Organization  
 U S Postage Paid  
 Permit No. 419  
 Bismarck, ND 58504



Check us out Online!  
[www.gscience.org](http://www.gscience.org)

**Exhibit Gallery Hours**

Monday - Thursday: 12Noon - 7PM  
 Friday & Saturday: 12Noon - 5PM  
 Closed on Sundays

**Office Hours**

Monday - Friday: 9AM to 3PM

**Admission Rates**

Adults: \$5.00  
 Children: \$2.00  
 Under 4: FREE

Members are always FREE!  
 Reminder: Children under age 8 must be accompanied by an adult.

**Staff Members**

- Beth Demke**  
- Executive Director
- Kaylah Pavlicek**  
- Administrative Assistant
- Christie Weixel**  
- Program Coordinator
- Jennifer Rechlin**  
- Exhibits Coordinator

# Gallery News

## Mirror Images

Playing with mirrors is fun and educational, especially when the mirrors are part of Gateway to Science's latest exhibition, **Mirror Images**. The newest exhibit is *Caught in Flight* (shown below), a set of two large mirrors that allows visitors to see their own reflection literally floating in the air.

The other new exhibits are *Convex & Concave Mirrors*, which teaches the visitor the difference between the two, the images that they can create and their uses; and *S-Bend Mirrors* and *Thick & Thin*, four fun-house mirrors that give one's image a whole new look. In addition, we have rebuilt *Look Into Infinity*, which allows visitors to do just that, and spruced up our other mirror exhibits: *Asymmetry*, *Everyone is You & Me*, and *Human Kaleidoscope*.

These new mirrors were built with a matching grant from the Bismarck Parks and Recreation District and the help of our marvelous volunteer exhibit developers. Come check out your reflections and join the fun at the far east end of the **Light & Color** Gallery.

