

Cultivating
Curiosity

eXtra! eXtra! eX News from eXplorationWorks!

Great eXplorations at the Great Northern Town Center - a publication of CommunityWorks, Inc. October 2008

ExplorationWorks
first annual
**Nightmare
Affair**
Adults only!

A Halloween Costume Party
featuring
The Clumsy Lovers

hor d'oeuvres
dancing
live music
cash bar
costume contest
haunted happenings
art pumpkin raffle

Saturday, Oct. 25, 2008
7:00pm
\$35 Tickets

explorationworks.org eXplorationWorks! 457.1300

WICKED WORKS

GHOULISH GAMES • SPOOKY SCIENCE
TERRIFIC TRICKS AND TREATS

for the whole family!

Sunday, October 26
Noon to 5 p.m.

pumpkin carving • face painting
science demonstrations
bean bag toss • apple bobbing
live music • cookie decorating
make your own treat bag
Queen City Ballet Company performance

It's been one year!

You are cordially invited to our
birthday bash Saturday, Nov. 1!

Come have cake and ice cream with us,
plus lots of fun activities!

Happy Birthday eXplorationWorks!





Pictured: Toni Person's puppet show of the *Three Billy Goats Gruff*. Toni will put on a puppet show for ExplorationWorks visitors at 3 p.m. Saturday, Oct. 4



Bill King loves his pet tarantulas! He will bring some of his creepy crawlies to ExplorationWorks for you to see in action at 3 p.m. Saturday, Oct. 18.

-Saturday Specials-

(enjoy something special every Saturday at 3 p.m.)

Oct. 4 - Puppet Show - See your favorite fairy tales come to life in this elaborate puppet production by **Toni Person**.

Oct. 11 - Mask Making - Make your own mask for Halloween or just for fun with **Carol Hunter**.

Oct. 18 - Creepy Crawlies - Join amateur entomologist **Bill King** and enjoy his collection of live spiders, scorpions and other bugs. It's a mini zoo just for you!

Oct. 25 - Make Spiders - Join us for a spooky spider-making craft.

Nov. 1 - ExplorationWorks's Birthday Party!!! Come celebrate our first year with us, with cake and ice cream and lots of fun activities.

Nov. 8 - Meet nature photographer **Kenton Rowe** and see how he gets pictures of animals most people never see.

Sweet Rita's Soaps



7 P.M. THURSDAY, OCTOBER 16

\$15, OR \$10 FOR MEMBERS

COST INCLUDES SOAP-MAKING MATERIALS, BEVERAGES AND SNACKS

Rita Forsythe has been creating and selling Sweet Rita's Soap since 2004. Her weekend hobby has since evolved into a successful, small business. She now sells Sweet Rita's Soap in over 25 stores in Montana and at Helena's Farmer's Market.

Rita will show us how she makes her famous soap and walk us through a simple soap-making process that you can recreate at home.

Come and get your hands dirty (or clean)!



Sweet Rita's Handcrafted Goat Milk Soap

www.sweetritassoap.com



Eggworks Challenge Jr.

Thursday, October 16 • 10:00 AM-12:00 PM

Grades: 1 & 2 • \$14 Members \$16 Non-Members

Instructors: Kyle Hunter & Becca Leaphart

Start your morning with a menu of egg-speriments including the airborne eggs, the naked egg, the disappearing egg and an epic egg toss.

EggsWorks Challenge

Thursday, October 16 • 1:00-4:00 PM

Grades: 3, 4, 5 & 6 • \$22 Members, \$25 Non-Members

Instructors: Kyle Hunter & Becca Leaphart

Egg-splore science through a series of experiments, all involving eggs and culminating in an Egg Drop Challenge from the ExplorationWorks balcony.

Worms

Friday, October 17 • 10:00 AM-12:00 PM

Grades: 1 & 2 • \$14 Members, \$16 Non-Members

Instructors: Kyle Hunter & Becca Leaphart

Crawl on in for a slimy morning of dissecting worms, racing worms and perhaps even eating worms?

Eyeballs and Optics

Friday, October 17 • 1:00-4:00 PM

Grades: 3,4, 5, & 6 • \$22 Members, \$25 Non-Members

Instructors: Kyle Hunter & Becca Leaphart

Dissect the eyeballs of a cow, sheep and pig for an inside look at the inner workings of your own eyes. Then trick your eyes by creating your own optical illusions.

- Please register using the form on the back of this sheet. Registration is on a first-come, first served basis.
- Registration cost includes all fees and materials.
- A non-refundable \$25 deposit per class is due with registration. Full tuition is due the first day of class; we cannot guarantee a refund for any cancellations occurring in the week prior to the first date of class.
- Confirmation will be sent out within a week of receiving your registration.
- Members receive a 10% discount on each class.
- For more informaton contact Becca Leaphart at 457.1800, ext. 3, or beccal@explorationworks.org
- To register, call 457.1800, ext. 2 or stop by the ExplorationWorks front desk.

Inventions

October 21, 23, 28, 30 • 3:45-5:15 • Limited to 10

Grades 4 & 5 • \$40 Members, \$45 Non-Members

Instructors: Dr. Liz Gundersen & Kyle Hunter

We will build electrical circuits using batteries, LED lights, and motors. Then we'll create switches out of common household supplies and use them to invent objects that can dance and draw. We'll connect our switches to a microprocessor called a PicoCricket, and learn to program sounds and movement.

Intro to NXT Robotics

November 4, 6, 11, 13 • 3:45-5:15 • Limited to 10

Grades 5, 6 & 7 • \$40 Members, \$45 Non-Members

Instructors: Dr. Liz Gundersen & Kyle Hunter

This class is an introduction to the new Lego NXT programmable brick and NXT programming. Working in teams of 2, you will build a robot and program it to respond to sensors, including light, sound, and ultrasound. Then you will have to build and program your own design to respond to a challenge! (This is the robot used in the FIRST Lego League robotics competition)

350Club

Wednesdays, 3:50-5:15 • Grades 8-12

Instructor; Becca Leaphart

Information Session: Wednesday, October 8

Climatologist Dr. James Hansen has proposed that 350 parts per million carbon dioxide in the atmosphere is the absolute upper bound of anything like safety. We're at 387 and rising. Join a movement of young people around the globe in working to understand the prevailing science behind climate change, communicating the problem to others, and searching for ways that we can help bring our climate out of the danger zone. We'll create anything from t-shirts, to a website, to You-tube videos to educational activities for younger students. We'll follow the latest science and policy debates surrounding the issue and we'll play an integral role in the development of the ExplorationWorks' Fall 2009 exhibit on climate change and sustainable solutions

Check out 350.org to learn more about the international movement.



Exploration Garden

With the generous support of Valley Farms, Murdochs, and the Washington Foundation, the Exploration Garden provided food both for culinary projects in GardenWorks camps and for the many people in our community struggling to keep up with the growing costs of food.

Chard, squash and onions were our most bountiful crops, and digging potatoes was the highlight for campers young and old. From produce in the garden, students concocted everything from sushi rolls to pizza sauce to tabouli.

Also, this season we harvested enough to donate an average of 7 gallons of produce each week to the God's Love Homeless Shelter.

WISH LIST

ExplorationWorks could use a few things that you might be able to help us out with!

For the staff teachers and exhibit floors:

- Science Magazine subscriptions
 - Discovery
 - Scientific American

For Nightmare Affair and WickedWorks(Oct. 25 & 26):

- Fog Machines
- Branches
- Black spray paint
- Old, scary coffin
- Black or crimson fabric (either sheer or satiny)
- Bones

Volunteer of the Month:

Sandy Guipre

Sandy Guipre is one of ExplorationWorks's early childhood art teachers. Every Tuesday, she and volunteer Susan Smith lead the pre-schoolers in an art project. Their creativity and energy has been a highlight of Little Sky Country programming.

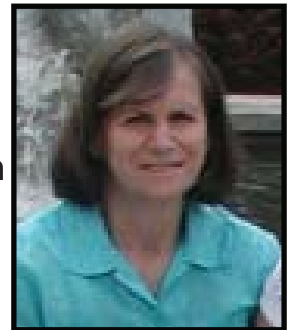
Sandy has frequently helped with Girl Tech projects and recently agreed to serve on the decorating committee for Nightmare Affair. We are so grateful for Sandy's ideas and creativity.

Thank you so much, Sandy, for the gift of your time and talents to Exploration Works.

About Sandy:

Favorite thing about Exploration Works:

Great people work at ExplorationWorks. It's really a cool place to take family and friends.



Why she volunteers:

I love to help and I love people

Favorite food/beverage combination?

I love tacos and coke, and pizza and coke

Guilty pleasure:

potato chips and ice cream or licorice and pretzels

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www.explorationworks.org

