

Roseville Utility Exploration Center
GREEN LIVING

programs | workshops | special events



TAKE ME
I'M FREE



September 2012 - June 2013

(916) 746-1550
www.roseville.ca.us/explore



Roseville Electric
Environmental Utilities

An environmental learning center for explorers of all ages.

Welcome to the Utility Exploration Center!

The Utility Exploration Center is a unique regional learning center committed to teaching about sustainability in the home, school and community. Water and energy efficiency, waste reduction, and watershed protection form the foundation of our programs designed to save money and resources in a fun and engaging way.

The Utility Exploration Center is jointly funded and operated by Roseville Electric and the Environmental Utilities, departments of the City of Roseville. Supplying electricity, drinking water, recycled water, storm drain management, and wastewater and solid waste services, these utilities provide Roseville's residents and businesses with reliable, affordable, safe and clean utility services.

Join Us for the 6th Annual

Celebrate the **EARTH** Festival

Saturday, April 20, 2013 | 10AM - 3PM | 1501 Pleasant Grove Blvd. in Mahany Park



Everyone is welcome at this FREE family event, sponsored by Roseville Electric, the Environmental Utilities, Whole Foods Market in Roseville and hosted at the Utility Exploration Center. Join us for a day of tasty food, live music, local green vendors, family entertainment and more! See page 17 for more information!



In addition to our most requested and popular programming, we've added some new features to the activity line up this year! Check out what's new!

PLANET PROTECTOR COMIC BOOK SERIES

Whether you're new to comic books or a longtime fan, you're going to want to get your hands on our new Planet Protector's "visitor's guide" comic book. Illustrated by Bernard Chang, a freelance artist and regular contributor at DC® and Marvel Comics®, the FREE guide features our Planet Protectors, Danica, Brandon and Johnny – three extraordinary kids – working together to guide you and your family around our Exhibit Hall and solve environmental mysteries at home. Be sure to pick one up the next time you visit our Center. Complete the activities and collect a FREE prize!



PLANET PROTECTOR'S "GREEN HOUSE MAKEOVER" EXHIBIT

While you're here, check out the Exploration Center's newest exhibit, the "Planet Protector's Green House Makeover." Step right up to the green house and help the Planet Protectors correct problems that affect the efficiency of our homes. Some examples include fixing leaks, replacing wasteful packaging, changing out light bulbs and many more. Become a Planet Protector instantly when you make some of the changes you learned at the Center in your home.

THEMED GARDENING MINI-SERIES

We've made some pretty big changes to our gardening programming this year - that we think you will find more convenient and enjoyable. We've incorporated some of our most popular gardening workshops into themed mini-series, all taught by Placer County Master Gardeners, landscaping and irrigation experts. The mini-series are taught on Saturday mornings in sets of three, giving you the tips, tools and information necessary to get you going on your garden adventures - all in a convenient (and affordable!) timeframe. **Check out pages 6-11 to get registered.**

PRESCHOOL PROGRAMMING AND ADULT CRAFTING SESSIONS

Whether you've just learned to crawl or are getting ready to celebrate your centennial - we've got new programming options for you. On the second Tuesday of every month the Exploration Center hosts a FREE preschool program for families looking to explore the facility and make a craft. For those of you that are older than five, we have new seasonal crafting workshops where you can make fun and useful things from repurposed items.







Check out page 14 for adult crafting workshops.





GREEN HOME TOUR






This isn't your typical home tour! We've selected homes in Roseville that have taken advantage of utility rebate programs to make their homes more energy and water efficient. Check out the cool improvements, the beautiful landscapes and meet the people that installed them. **See page 16 for more information.**






CALENDAR | a snapshot of activities






The Utility Exploration Center offers a wide variety of programming, workshops and special events. Below is a snapshot of those services. A more detailed description of each listing can be found starting on **page 7** of this catalog.







 children's (6-12) workshops	 Ask an Expert Day
 adult workshops	 special events
 preschool (0-5) programming	 gardening mini-series

SEPT.	Workshop Activity	Hours	Code	Price
	1 Ask an Expert Day	10am-12pm	--	FREE
	11 Preschool Programming (<i>waste themed project</i>)	10am-12pm	--	FREE
	14 EVENT: Bernard Chang - Planet Protector Comics	3pm-7pm	--	FREE
	15 Back to School Supplies: Buy New, Make Anew?	10am-12pm	60089	\$12-\$15

OCT.	Workshop Activity	Hours	Code	Price
	3 and 10 Mosaic Art - Two Day Workshop	6pm-8pm	60090	\$30-\$35
	6 Ask an Expert Day	10am-12pm	--	FREE
	9 Preschool Programming (<i>water themed project</i>)	10am-12pm	--	FREE
	13 Fabulous Perennials + Planning for Spring Mini-Series	8:30am-2pm	see page 7 for details	
	20 Halloween Fun with Worms, Compost and Pumpkin Guts	10am-12pm	60095	\$12-\$15

NOV.	Workshop Activity	Hours	Code	Price
	3 Ask an Expert Day	10am-12pm	--	FREE
	6 Preschool Programming (<i>waste themed project</i>)	10am-12pm	--	FREE
	7 From Giftwrapping to Gift Giving	6pm-8pm	60097	\$12-\$15
	10 Dazzling Year-Round Color Mini-Series	8:30am-2pm	see page 8 for details	
	17 Fall Color on Your Dining Room Table	10am-12pm	60101	\$12-\$15

DEC.	Workshop Activity	Hours	Code	Price
	1 Ask an Expert Day	10am-12pm	--	FREE
	1 Green Gifting for the Holidays	10am-12pm	60102	\$12-\$15
	8 EVENT: RCONA Santa in the Park Giftwrapping Demos	?????	--	donation
	11 Preschool Programming (<i>energy themed project</i>)	10am-12pm	--	FREE
	15 EVENT: Giftwrapping Demos and Fundraiser	10am-2pm	--	donation

JAN.	Workshop Activity	Hours	Code	Price
	5 EVENT: Exploration Center's 5th Anniversary Party	1pm-3pm	--	FREE
	8 Preschool Programming (<i>waste themed project</i>)	10am-12pm	--	FREE
	9 T-Shirts to Treasures: Headbands, Scarves, Reuseable Bags	6pm-8pm	60105	\$12-\$15
	12 Fruits and Flowers Mini-Series	8:30am-2pm	see page 8 for details	
	17 START: Green Gardener @ Home Training Program	10 WEEKS	60139	\$55-\$65
	19 Animal Homes for YOUR Backyard	10am-12pm	60109	\$12-\$15

2012 - 2013

FEB.	Workshop Activity	Hours	Code	Price
2	Ask an Expert Day	10am-12pm	--	FREE
6 and 13	Mosaic Art - Two Day Workshop	6pm-8pm	60111	\$30-\$35
9	Container & Indoor Gardens Mini-Series	8:30am-2pm	see page 9 for details	
12	Preschool Programming (<i>water themed project</i>)	10am-12pm	--	FREE
12	EVENT: Utilitour at the Utility Exploration Center	9am-2pm	--	FREE
16	From Trash to Toys	10am-12pm	60115	\$12-\$15

MAR.	Workshop Activity	Hours	Code	Price
2	Ask an Expert Day	10am-12pm	--	FREE
9	Choosing All-Star Plants Mini-Series	8:30am-2pm	see page 9 for details	
12	Preschool Programming (<i>waste themed project</i>)	10am-12pm	--	FREE
13	Turn Plastic Bags into Yarn and Learn to Knit	6pm-8pm	60117	\$12-\$15
16	Catch Leprechauns! Make Traps / Good Luck Charms	10am-12pm	60120	\$12-\$15

APR.	Workshop Activity	Hours	Code	Price
6	Ask an Expert Day	10am-12pm	--	FREE
6	Spring is in the Air! Earth Day and Easter!	10am-12pm	60123	\$12-\$15
9	Preschool Programming (<i>energy themed project</i>)	10am-12pm	--	FREE
13	Raised Bed Vegetable Gardens Mini-Series	8:30am-2pm	see page 10 for details	
20	EVENT: 6th Annual "Celebrate the Earth Festival"	10am-3pm	--	FREE

MAY	Workshop Activity	Hours	Code	Price
4	Ask an Expert Day	10am-12pm	--	FREE
4	"I Love You Mom," Mother's Day Giftmaking	10am-12pm	60127	\$12-\$15
11	Butterflies and Hummingbirds Mini-Series	8:30am-2pm	see page 10 for details	
14	Preschool Programming (<i>waste themed project</i>)	10am-12pm	--	FREE
15	Make Your Backyard Sparkle - Outdoor Lights, Decorations	6pm-8pm	60131	\$12-\$15

JUN.	Workshop Activity	Hours	Code	Price
1	Ask an Expert Day	10am-12pm	--	FREE
2	EVENT: Green Home Tour	10am-2pm	--	\$5
8	Beat the Heat Mini-Series	8:30am-2pm	see page 11 for details	
11	Preschool Programming (<i>water themed project</i>)	10am-12pm	--	FREE
15	Neckties and BBQ's: Not for Every Dad!	10am-12pm	60135	\$12-\$15

Please register for Green Living Workshops by calling us at (916) 746-1550 during normal business hours: 10AM-5PM, Tues. - Sat. You can also leave us a message and we will call you back.

GARDENING | a snapshot of the new mini-series

Here is a snapshot of our NEW gardening mini-series. For a more detailed list, including coupons and course descriptions, please see **the next page** in this guide.



OCT 13, 2012	Fabulous Perennials and Planning for Spring	Code
8:30am-10am	CLASS 1: Composting Basics to Improve Your Soil Health	60092
10:30am-12pm	CLASS 2: Jumpstarting Your Spring Landscape	60093
12:30pm-2pm	CLASS 3: Preparing for Fall Plant Sales	60094



NOV 10, 2012	Dazzling Year-Round Color	Code
8:30am-10am	CLASS 1: Composting Basics to Improve Your Soil Health	60098
10:30am-12pm	CLASS 2: Designing for Year-Round Color	60099
12:30pm-2pm	CLASS 3: Winterizing Your Irrigation System	60100



JAN 12, 2013	Fruits and Flowers	Code
8:30am-10am	CLASS 1: Composting and Organic Fertilizers for Bright Blooms	60106
10:30am-12pm	CLASS 2: Cut Flower Arrangements	60107
12:30pm-2pm	CLASS 3: Selecting Berries and Trees, and Pruning Basics	60108



FEB 9, 2013	Container and Indoor Gardens	Code
8:30am-10am	CLASS 1: Vermicomposting and Soils for Containers	60112
10:30am-12pm	CLASS 2: Creating Container Gardens	60113
12:30pm-2pm	CLASS 3: Challenges of Indoor Plant Health	60114



MAR 9, 2013	Choosing UC Arboretum All-Star Plants	Code
8:30am-10am	CLASS 1: Composting Basics to Improve Your Soil Health	60117
10:30am-12pm	CLASS 2: Irrigation System Overhaul - Preparing for Spring/Summer	60118
12:30pm-2pm	CLASS 3: Introducing the UC Arboretum All-Stars	60119



APR 13, 2013	Raised Bed Vegetable Gardens	Code
8:30am-10am	CLASS 1: Soil Health in Raised Beds	60124
10:30am-12pm	CLASS 2: Constructing and Irrigating Your Veggie Garden	60125
12:30pm-2pm	CLASS 3: Selecting the Best Veggies for Placer County	60126



MAY 11, 2013	Butterfly and Hummingbird Gardens	Code
8:30am-10am	CLASS 1: Mulching Basics - Garden Decomposers	60128
10:30am-12pm	CLASS 2: Designing for Year-Round Pollinators / Nectar Feeders	60129
12:30pm-2pm	CLASS 3: Integrated Pest Mgmt - Protecting the Good Bugs	60130



JUN 8, 2013	Beat the Heat	Code
8:30am-10am	CLASS 1: Compost Tea and Vermicomposting	60132
10:30am-12pm	CLASS 2: Surviving the Heat - Irrigation System Tune-Up	60133
12:30pm-2pm	CLASS 3: Keeping Your Plants Happy - Mulch, Water, Irrigation	60134

new! green gardening mini-series

Join us for a series of monthly gardening workshops which follow key seasonal tasks to keep your garden healthy and beautiful while reducing your use of water. Scheduled on the second Saturday of each month, our gardening classes follow a monthly theme and provide three separate 1.5 hour classes during the day. Our first class begins at 8:30 and the last class concludes at 2 pm. Choose one, two or all three classes and receive pricing discounts based on the number of classes you attend. All workshops are taught by regional gardening experts knowledgeable in composting, garden design, plant health and water efficiency.

FABULOUS PERENNIALS + PLANNING FOR SPRING - Saturday, October 13, 2012			
Cool temperatures and dozens of specialty plant sales make fall the ideal season to redesign and refresh your landscape with water conserving perennials.			
Course	Time	Code	Price
Composting Basics to Improve Soil Health Learn how to turn kitchen scraps and yard waste into a free, natural amendment that will improve your soil and increase the productivity of your garden. Each participating family will go home with a compost bin -- large vehicle needed to transport.	8:30am-10am	60092	\$6-\$8
Jumpstarting Your Spring Landscape Does your garden need to be revitalized? Now is the time to assess your current landscape, refresh your irrigation system and plan for a beautiful spring garden.	10:30am-12pm	60093	\$6-\$8
Planting Techniques and Preparing for Fall Fall is the best season to plant bulbs and perennials, and many specialty plant sales take place this time of year. Learn how to pick plants species well suited for your landscape and planting techniques to ensure their long-term health.	12:30pm-2pm	60094	\$6-\$8

REGISTER FOR MORE THAN ONE GARDEN SERIES CLASS AND GET A DISCOUNT

Register for 1 mini-series class - pay full price
Register for a 2nd class (same day) - get 30% off
Register for a 3rd class (same day) - get 50% off
Pay for 5 classes - get the 6th class FREE

GREEN GARDENING MINI-SERIES

DAZZLING YEAR-ROUND COLOR - Saturday, November 10, 2012

Brighten up your landscape with an artist's palate of blooms, vegetation and garden features that change throughout the seasons.

Course	Time	Code	Price
Composting Basics to Improve Soil Health Learn how to turn kitchen scraps and yard waste into a free, natural amendment that will improve your soil and increase the productivity of your garden. Each participating family will go home with a compost bin -- large vehicle needed to transport.	8:30am-10am	60098	\$6-\$8
Designing for Year-Round Color Does your garden lack visual interest throughout? Learn how to bring year-round color into your garden through the use of paving materials, fencing, plants and other design features.	10:30am-12pm	60099	\$6-\$8
Winterizing Your Irrigation System As temperatures cool and the rains begin, it is the time to check and adjust your irrigation system so you don't overwater and harm your landscape. Learn how to determine your landscape's water needs and adjust your timer and sprinklers for the winter season.	12:30pm-2pm	60100	\$6-\$8

FRUITS AND FLOWERS - Saturday, January 12, 2013

Start the New Year with the beauty of cut flowers and the promise of summer fruits and berries from your own yard.

Course	Time	Code	Price
Composting Basics to Improve Soil Health Bright and prolific blooms start with healthy plants. Learn how compost and organic fertilizers can enhance your flower garden. Each participating family will go home with a compost bin -- large vehicle needed to transport.	8:30am-10am	60106	\$6-\$8
Cut Flower Arrangements Winter weather got you down? Brighten up your home by learning how to design a piece of floral art using a variety of containers, plant material from your water-efficient garden, and flowers.	10:30am-12pm	60107	\$6-\$8
Pruning Basics and Selecting Bare-Root Berries and Trees Now is the time to select and plant bare-root fruit trees and berry vines in your garden. It is also the time to prune established fruit trees. Learn how to select the best varieties for our region, how to plant a bare-root tree or berry vine, and how to prune established trees for the best fruit production.	12:30pm-2pm	60108	\$6-\$8

Register for the Green Gardening Mini-Series Workshops in advance by calling (916) 746-1550. We accept VISA, MasterCard and Discover Card.

join us on the second saturday of every month

CONTAINER AND INDOOR GARDENS - Saturday, February 9, 2013

Jump into the spring planting season by creating container gardens for your home and patio.

Course	Time	Code	Price
<p>Vermicomposting for Soils and Containers Keeping worms is easy, enjoyable and a great family project. Vermicomposting can be done inside or out, and a small worm bin will provide plenty of rich compost for your indoor plants. Learn how to keep your potted plants healthy and your worms happy.</p>	8:30am-10am	60112	\$6-\$8
<p>Creating Container Gardens Whether indoor or outdoor, container gardens combine the art of selecting the best containers, soil and plants for their chosen location. Learn how to design and assemble container gardens that will thrive in your home or landscape.</p>	10:30am-12pm	60113	\$6-\$8
<p>Conquering the Challenges of Indoor Plants Indoor environments offer some of the most extreme growing challenges for plants. Providing the proper balance of light, moisture and nutrients requires knowledge about the plants you are trying to grow. Learn how to grow and care for beautiful house plants.</p>	12:30pm-2pm	60114	\$6-\$8

CHOOSING UC ARBORETUM ALL-STAR PLANTS - Saturday, March 9, 2013

All plants are not created equal. Learn how to pick plants that will provide years of beauty in our hot, summer climate.

Course	Time	Code	Price
<p>Vermicomposting for Soils and Containers Learn how to turn kitchen scraps and yard waste into a free, natural amendment that will improve your soil and increase the productivity of your garden. Each participating family will go home with a compost bin -- large vehicle needed to transport.</p>	8:30am-10am	60117	\$6-\$8
<p>Irrigation System Overhaul - Preparing for Spring & Summer It is time to test your irrigation system and repair or replace missing drip emitters, broken sprinkler heads, or switch out old irrigation systems with new water-efficient varieties. Learn the basics of irrigation system troubleshooting and repairs; and the latest in water-saving technologies.</p>	10:30am-12pm	60118	\$6-\$8
<p>Introducing the UC Arboretum All-Stars The UC Davis Arboretum combined decades of research on finding the best selection of garden plants for our climate and soils. Learn about these plants, create your wish list and attend their plant sale on April 6.</p>	12:30pm-2pm	60119	\$6-\$8

REMEMBER: You get a discount when you sign up for multiple classes on a single day. Take advantage of 30 to 50 percent off gardening workshops!

GREEN GARDENING MINI-SERIES

RAISED BED VEGETABLE GARDENS - Saturday, April 13, 2013

Plan and create a wonderful vegetable garden that will feed your family and friends throughout the year.

Course	Time	Code	Price
Soil Health in Raised Beds Are your raised beds not producing the types of crops they did when they first were installed? Find out how to monitor and improve the soil health of your raised beds.	8:30am-10am	60106	\$6-\$8
Constructing and Irrigating Your Veggie Garden: Raised and Double-Dug Beds / Containers Thinking about creating raised beds or moving to containers to grow your vegetables? Learn where to place your garden, how to construct a simple, inexpensive frame, what double-digging is, and how to install a drip irrigation system.	10:30am-12pm	60107	\$6-\$8
Selecting the Best Veggies for Placer County Overwhelmed by the selection and variety of vegetable seeds and plants at the nursery? Experienced mixed results with your selections? Find out which varieties of vegetables and herbs grow best in our climate, when to plant them, and which plants grow well together in the same bed.	12:30pm-2pm	60108	\$6-\$8

BUTTERFLY & HUMMINGBIRD GARDENS - Saturday, May 11, 2013

Healthy gardens attract butterflies, hummingbirds and a host of beneficial insects that provide a natural balance without the use of harmful chemicals.

Course	Time	Code	Price
Mulching Basics - Garden Decomposers Mulch provides a covering over the soil to retain soil moisture, keeps plant roots cool, provides critical habitat for garden decomposers, reduces weeds, and beautifies the garden. Learn about different types of mulching materials and how to select and install mulch in your garden.	8:30am-10am	60106	\$6-\$8
Designing for Year-Round Pollinators and Nectar Feeders Butterflies, hummingbirds, bees and a variety of other insects rely upon a year-round supply of nectar and pollen to survive. By selecting a variety of plants that bloom at different times of the year, you can attract these beneficial insects and birds to your garden.	10:30am-12pm	60107	\$6-\$8
Integrated Pest Mgmt- Protect Good Bugs Healthy gardens and natural habitats are filled with life -- from microscopic bacteria and fungi eaten by worms and insects that in turn are eaten by birds and lizards. Learn how to maintain a healthy garden by reducing your dependence on pesticides and herbicides that don't distinguish between the good critters and the bad.	12:30pm-2pm	60108	\$6-\$8

join us on the second saturday of every month

BEAT THE HEAT - Saturday, June 8, 2013			
Prepare for the hot summer days ahead to keep your plants happy and healthy.			
Course	Time	Code	Price
Compost Tea and Vermicomposting Keeping worms is easy, enjoyable and a great family project. Vermicomposting can be done inside or out, and the castings from the worms can produce high quality compost tea for your plants. Learn how to make a home worm bin and brew your own compost tea.	8:30am-10am	60106	\$6-\$8
Surviving the Heat - Irrigation System Tune-Up Prepare your yard for the hot summer season by tuning up your irrigation system. Learn the best methods for watering your plants efficiently; how to adjust your controller; and how to repair and replace water-wasting fixtures.	10:30am-12pm	60107	\$6-\$8
Keeping Your Plants Happy: Mulches, Hydrozoning and Drip Irrigation Summer is here and the rains are long gone. Keep your plants happy and your landscape healthy by providing the right amount of water to your plants while minimizing runoff and evaporation.	12:30pm-2pm	60108	\$6-\$8

10-WEEK GREEN GARDENING AT HOME SERIES			
Join us one night a week from 6:30PM - 8:30PM for 10 weeks and gain a wealth of information and skills through presentations and hands-on exercises that can help you save money, conserve water and sustain your healthy landscape.			
You'll learn how to improve your existing soil, what kind of edible and native plants to install, and ways to design and maintain your water-efficient landscape, ensuring it looks beautiful for many years to come.			
Dates	Hours	Code	Price
Thursday's (10) Jan. 17 - Mar. 21	6:30pm-8:30pm	60139	\$55 RSVL / \$65 GEN

BACK BY POPULAR DEMAND!



CHILDREN'S WORKSHOPS



fun with pumpkins, worms and guts!

Children's Craft Workshops (6-12 years old): Join us on the 3rd Saturday of the Month!

One Saturday a month from September through June, our Center will offer a fun-filled workshop for your child(ren). The workshop will include a unique, hands-on, take-home opportunity for your child to create a repurposed/recycled craft. Each month will offer something new, from back to school items to holiday gifts! Join us throughout the year and watch your child enjoy creating unique works of art made from materials that would otherwise sit in the landfill.

BACK TO SCHOOL SUPPLIES: BUY NEW, MAKE ANEW?

Is that list your teacher gave you similar to last year's? Do you get a new backpack every year? Let's make a zero waste lunch kit, juice pouch snack packs, DVD case pencil boxes, and spruce up last year's supplies into amazing creations.

Date	Hours	Code	Price
Sept. 8, 2012	10am-12pm	60089	\$12 RSVL / \$15 GEN

HALLOWEEN FUN WITH WORMS, COMPOST AND PUMPKIN GUTS

Slash open pumpkins, rip out their guts, and pick through the insides for some spooky snacks! We'll discover how much gooeey material goes to waste after carving pumpkins and have a spooky time inspecting slimy, creepy crawlers who help make it disappear! All participants will go home with recycled craft projects, their own ghoulish orange creation, and a cauldron of seeds ready for roasting. [Parent participation is highly encouraged and required for children under 9.]

Date	Hours	Code	Price
Oct. 20, 2012	10am-12pm	60095	\$12 RSVL / \$15 GEN

FALL COLOR ON YOUR DINING ROOM TABLE

Need a centerpiece for the Thanksgiving dinner table? Let's use old plastic bags, old paint swatches, and yummy food to make spectacular Thanksgiving decorations destined to be a hit when the family arrives for the big meal.

Date	Hours	Code	Price
Nov. 17, 2012	10am-12pm	60101	\$12 RSVL / \$15 GEN

GREEN GIFTING FOR THE HOLIDAYS

Construct holiday gifts, gift cards, and decorations for family and friends this year using Pringles cans, yogurt cups, old sheets and pillow cases, plastic bottles, egg cartons, and clothespins.

Date	Hours	Code	Price
Dec. 1, 2012	10am-12pm	60102	\$12 RSVL / \$15 GEN

arts and craft activities for all seasons

ANIMAL HOMES FOR YOUR BACKYARD!

Create unique homes for your backyard furry or feathered friends! What do all living things need? They need food, water, shelter and space. Let's create a home for all the critters of your yard.

Date	Hours	Code	Price
Jan. 19, 2013	10am-12pm	60109	\$12 RSVL / \$15 GEN

TRASH TO TOYS!

Christmas toys running out of batteries and aren't much fun anymore? There is a lot of fun to be had with the most unlikely items. Let's make our own Mancala set, a top made from an old CD, a homemade I-Spy container, and a swing Catch-It game; all from discarded waste.

Date	Hours	Code	Price
Feb. 16, 2013	10am-12pm	60115	\$12 RSVL / \$15 GEN

LEPRECHAUN GREEN

Who needs the luck of the Irish? We have the perfect leprechaun traps to capture those little guys so you'll have good luck all year! Your child(ren) will go home with a fool-proof leprechaun trap and good luck charms made from your child's choice of discarded items to help your home look more green and full of good luck.

Date	Hours	Code	Price
Mar. 16, 2013	10am-12pm	60120	\$12 RSVL / \$15 GEN

SPRING IS IN THE AIR! EARTH DAY/EASTER

In this children's workshop, your child(ren) will create recycled art crafts such as Egg Carton Earths (in honor of Earth Day), baskets to collect eggs for Easter, and a unique dying process without the use of dye. Join us and your child will be "egg"-static!

Date	Hours	Code	Price
Apr. 6, 2013	10am-12pm	60123	\$12 RSVL / \$15 GEN

A NEW WAY TO SAY, "I LOVE YOU MOM!"

To show mom how much she means to you, let's make her some useful and unique gifts this year! She'll love your amazing creations made from old bottle caps, cereal boxes, or plastic bottles, not only because you made them but because she'll treasure them for years.

Date	Hours	Code	Price
May 4, 2013	10am-12pm	60127	\$12 RSVL / \$15 GEN

NECKTIES AND BBQ'S: NOT FOR EVERY DAD

We've got some Father's Day gift ideas that'll knock his socks off. Create something wonderful with us in this workshop, like a #1 dad trophy from macaroni and garden stepping stones with a message just for dad.

Date	Hours	Code	Price
Jun. 15, 2013	10am-12pm	60135	\$12 RSVL / \$15 GEN

ADULT WORKSHOPS

Adult Craft Workshops (High School Age and Up): Join Us on Wednesday's from 6-8PM!

There are so many great ideas out there to make useful things for your home out of repurposed items. Let's make it happen. Join us for a fun evening of crafts and good company.



bag made of old plastic bags



wrapping with cloth

MOSAIC ART

Take home your own work of art after you learn the basics of interior mosaic (design and fabrication) techniques using recycled glass, ceramic pieces and reclaimed materials. Day one – design and tile setting. Day two – grouting and framing.

Dates	Hours	Codes	Price
Oct. 3 & 12, 2012	6pm-8pm	60111	\$30 RSVL / \$35 GEN
Feb. 6 & 13, 2013	6pm-8pm	60090	\$30 RSVL / \$35 GEN

FROM GIFTWRAPPING TO GIFT GIVING: SAVE A LITTLE GREEN THIS HOLIDAY!

Through packaging and giftwrapping, there is a lot of waste during the holidays, especially paper. We will make some unique gift items for friends and family made from everyday items; i.e. paint swatch gift boxes, book wreaths, homemade bath fizzies, and wrapagami!

Date	Hours	Code	Price
Nov. 7, 2012	6pm-8pm	60097	\$12 RSVL / \$15 GEN

T-SHIRTS TO TREASURES

Your favorite T-shirt is no longer your favorite, or is it simply no longer wearable? Let's make it into something useful or even a great gift for a friend! We'll use old discarded T's to make scarves, jewelry, and even reusable bags.

Date	Hours	Code	Price
Jan. 9, 2013	6pm-8pm	60105	\$12 RSVL / \$15 GEN

TURN PLASTIC BAGS INTO YARN AND LEARN TO KNIT!

Ever notice the pile of plastic bags in your kitchen just won't go away? Let's turn them into stylish, reusable bags. During this workshop, we will learn to make PLARN (plastic bag yarn) and how to knit using your old plastic bags!

Date	Hours	Code	Price
Mar. 13, 2013	6pm-8pm	60121	\$12 RSVL / \$15 GEN

MAKE YOUR BACKYARD SPARKLE! UNIQUE OUTDOOR LIGHTS AND MORE!

Let's make some eye catching, useful yard art from incandescent light bulbs, old silverware, and tin cans. We'll make your backyard come to life with these everyday discarded items.

Date	Hours	Code	Price
May 15, 2013	6pm-8pm	60131	\$12 RSVL / \$15 GEN

VOLUNTEER OPPORTUNITIES AT THE EXPLORATION CENTER

By volunteering for the Utility Exploration Center you can help spread the word! Our volunteer program and its valued members are a part of a team to assist staff members in various utility conservation efforts.

Within our Tech Team, there are three different volunteer opportunities available; Interpretive Docents, Customer Service volunteers and Outreach/Special Events. Docents lead exhibit hall tours and curriculum-based classes offered to local school children (1st – 6th grade). Customer Service volunteers provide front desk assistance to welcome visitors, answer calls and are the “face” of the Center. Lastly, our Outreach and Special events volunteers spread the word outside our center by attending special events, manning a booth, and/or making connections in the city to help continue our mission. Our Tech Team is the core that keeps our Center running.

Steps to Become a Volunteer

- 1) Visit the website and follow the link to start the application
www.roseville.ca.us/explore/volunteers.asp
- 2) Schedule an in-person meeting with the volunteer coordinator
- 3) Complete a fingerprinting and background check (about 2 week process)
- 4) Communicate availability and find time that works with your schedule!

QUESTIONS? Call Melissa Kinsey at (916) 746-1553 or mkinsey@roseville.ca.us

YOUR “e-WASTE” IS JUST TOO VALUABLE TO TOSS AWAY

Bring your e-waste to the Utility Exploration Center and recycle it for **FREE**. Electronic waste (or e-waste) is made mainly of plastic, glass and steel, but it also contains small quantities of gold, silver, cadmium and other valuable metals. These materials can be safely separated and recycled into new electronic items and avoid landfills. E-waste dropped off at the Exploration Center is recycled by SIMS Recycling Solutions, an international recycling company with a sorting and shredding facility in Roseville, and provides funding support for our IDEAscape project - a one-acre Interactive Demonstration and Exhibit Area to highlight energy and water conservation and solid waste reduction.

YES, PLEASE BRING	DO NOT BRING
Computers	NO Microwaves
Cameras	NO Kitchen Appliances
Phones	NO Vacuums
Monitors	NO Fans
Printers	NO A/C Units
Television Sets	NO CFL Light Bulbs
Keyboards	NO Batteries
Stereo Equipment	NO Printer Cartridges
Wiring	NO Boxes
Cables	NO Packing Materials



SPECIAL EVENTS

GARDENING QUESTIONS ANSWERED

"ASK AN EXPERT" DAYS @ THE EXPLORATION CENTER

Have a question about gardening, landscaping, energy efficiency, rebate programs, water conservation, recycling and / or other City of Roseville utility services? If so, then you're invited to get your questions answered by Placer County Master Gardeners and City staff at this monthly event.

Dates	Hours	Code	Price
Sept. 1, 2012	10am-12pm	N/A	FREE
Oct. 6, 2012	10am-12pm		
Nov. 3, 2012	10am-12pm		
Dec. 1, 2012	10am-12pm		
Feb. 2, 2013	10am-12pm		
Mar. 2, 2013	10am-12pm		
Apr. 6, 2013	10am-12pm		
May 4, 2013	10am-12pm		
Jun. 1, 2013	10am-12pm		

GIFTWRAPPING DEMONSTRATIONS & FUNDRAISING EVENTS

The Utility Exploration Center would like to invite you to try a different option for your giftwrapping this holiday season. Did you know that half the paper produced for use in the United States is for giftwrapping! At our event in December, learn how to wrap using reusable wrapping through our demonstrations or let us do it for you. We are offering giftwrapping for your holiday gifts for a small donation. Bring your unwrapped gifts and watch our talented staff turn old sheets, pillowcases, t-shirts, old maps, etc. into beautiful works of art to give to your friends and family.

Dates	Hours	Price
Saturday, Dec. 8, 2012	3pm-6pm	Donation
Saturday, Dec. 15, 2012	10am-2pm	Donation



5th ANNIVERSARY CELEBRATION

Enjoy some tasty treats with our staff and volunteers as we celebrate 5 years of environmental stewardship. In addition to celebrating our anniversary, we will also unveil a change to our UKI logo.

Date	Hours	Price
Saturday, Jan. 5, 2013	1pm-3pm	FREE

"UTILITOUR" EVENT AT THE EXPLORATION CENTER

Come and meet your local Roseville Electric and Environmental Utility workers when you bring the family to the "Utilitour" event at the Utility Exploration Center. There will be utility trucks on display, tool demonstrations and opportunities to see how these men and women bring your family the utility services like water, electricity and garbage pick-up that you rely on every day!

Date	Hours	Price
Tuesday, Feb. 18, 2013	9am-2pm	FREE for the whole family

Celebrate the **EARTH** Festival

JOIN US FOR THE 6th ANNUAL

Everyone's welcome at the 6th Annual Celebrate the Earth Festival hosted at the Center's campus in Mahany Regional Park. Sponsored by Roseville Electric, the Roseville Environmental Utilities and Whole Foods Market in Roseville, there will be tons of fun activities for the whole family at this free event, including: Food and Beverages, Music & Entertainment, Local Green Vendors, Children's Activities, Electric Vehicles, Green Technologies, and MORE! Check our website, Facebook and Twitter sites often for updates on participating vendors, exhibit showtimes, parking suggestions, alternative transportation options, event maps and more! Don't miss it!



Date	Hours	Price
Saturday, April 20, 2012	10am-3pm	FREE for the whole family
More information at www.roseville.ca.us/earthday or by calling (916) 746-1550		

NEW IN 2013! ROSEVILLE GREEN HOME & GARDEN TOUR

Visit up to ten Roseville homes and gardens that reflect some of the best examples of sustainable living in the region. Homes are selected for their use of energy-saving technologies, innovative reduction and re-use of building materials, fruit and vegetable gardens, and water-efficient landscapes from the Cash for Grass Rebate Program. Beyond a tour of the gardens and exteriors of these green homes, meet the residents, designers, contractors, and industry professionals who worked on these sites. Roseville Utilities will also be available to discuss current rebates and programs to assist you with your own project.

Integrating water conservation and energy efficiency, and waste reduction into your home does not have to impact style, beauty, comfort or lifestyle, yet these improvements can save you thousands of dollars in utility bills over time while reducing your impacts on the environment.

The Green Living Home and Garden Tour will be a benefit for the construction of the IDEAScape at the Utility Exploration Center – a one-acre Interactive Demonstration and Exhibit Area to highlight many of the design features that will be seen on the tour.

Tickets and Tour Maps Available at the Roseville Utility Exploration Center.

Date	Hours	Code	Price
June 2, 2013	10am-2pm	call to register	\$5.00

PLANET PROTECTOR SCHOOL TOURS

SCHOOL PROGRAMMING and GRANT INFORMATION

Our tours and programs focus on three topic areas – energy efficiency, water conservation and waste reduction. Each conservation topic is further divided by age groups to offer age-appropriate exploration and scientific discovery in our exhibit hall, technology lab and LEED-certified building and grounds. **We offer grant money for public and private schools located within the Roseville city limits that allows for FREE tours & FREE transportation. Minimum of 10 students / Maximum of 70 (per tour)**

1st-3rd GRADE PROGRAMS

1.5 hours of activity. A 45-minute tech lab activity in addition to a 45-minute exhibit hall tour.
\$3.75 per student

4th-6th GRADE PROGRAMS

2 hours of activity. A 1 hour tech lab activity in addition to a 1 hour exhibit hall tour.
\$4.25 per student



POWER PATROL

Discover what electricity is, where it comes from, how it is used in our homes, and how we can help the planet by using only what we need. Designed in stations, students experiment with various forms of electricity.



ELECTRON FLOW

Discover what electricity is, how it flows through circuits, and how important it is in our daily lives. Measure the brightness and energy consumption of various light sources to determine the best energy conservation choices for the home.



STUFF BUSTERS

Dive into a bag of trash to find out that what we throw away every day doesn't really go "away." Students investigate ways they can reduce the amount of trash that ends up in the landfill by the choices they make every day.



ELEMENTS OF WASTE

Explore what is in our trash by determining the elements found in our food, paper, plastic, cell phones and other discarded items. Study the Periodic Table of Elements and learn to make wise choices when using and disposing of items.



HYDRO HEROES

There is a limited amount of fresh water available on the planet that we all must share. Students explore the water cycle and learn about our local watershed, discovering ways to conserve water and keep our fresh water safe and clean.



KEEPIN' IT CLEAN

The health of our watershed is affected by how we live. Learn how water flows throughout the region, the types of pollutants commonly found there, and explore water pollution crime scenes using scientific inquiry and testing equipment.



NEW 4th-6th GRADE PROGRAM: H2Own

Saving water is important to all living things. Explore where our water comes from, how much we have to share and ways to conserve water in your home!

REGISTER for Tours on our Website:
www.roseville.ca.us/explore

FREE EXHIBIT HALL DISCOVERY

Everyone is welcome to explore the wonders of our 3,200 sq. ft. exhibit hall - an area of imagination, exploration and scientific discovery. Established in 2008, more than 145,000 visitors have come through our doors, taking time to look, touch and interpret our hands-on exhibits and displays. Now it's your turn. While you're here, be sure to pick up your FREE copy of our new Planet Protector's Comic Book - the Visitor's Guide. This guide will help you navigate our exhibit hall. If you're a 1st - 6th grade educator, your students will get FREE copies of the Planet Protector comic books related to the theme of their visit.

THE VISITOR'S GUIDE - FREE FOR ALL!

The Planet Protector's family guide. Use this fun and interactive guide to help you navigate the Exploration Center's exhibit hall and solve environmental mysteries at home.

ISSUE #1: GHOST HOUSE MYSTERY

Brandon rounds up the Planet Protectors to help him fend off a ghost living in his house, feeding on electricity and causing havoc - all while nobody's home. **(ENERGY SCHOOL TOURS)**



ISSUE #2: TALE OF CRUDDY CREEK

When Danica loses her favorite baseball down the storm gutter, she calls upon the Planet Protectors to discover where all of that trash and wastewater goes. **(WATER SCHOOL TOURS)**



ISSUE #3: WASTELAND NIGHTMARE

After narrowly avoiding an avalanche of garbage, Johnny convinces the Planet Protectors to reduce the amount of trash they produce and resources they consume. **(WASTE SCHOOL TOURS)**

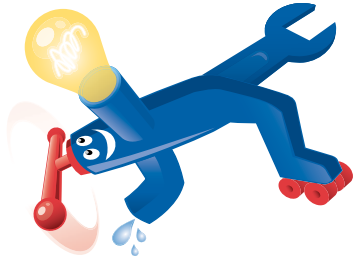
BACK BY POPULAR DEMAND

FIRST FRIDAY HOMESCHOOL PROGRAMS (10:30 a.m. - 1:00 p.m.)

Designed for homeschool families with multiple-aged siblings, you can spend the first Friday of the month at the Exploration Center and explore one of our themed topics. We will divide the students by grade levels and start the morning with our younger students (*grades 1-3*) in the Tech Lab while older students (*grades 4-6*) explore the exhibit hall. After a group lunch and Zero Waste Lunch Dump, the two groups will switch activities. This program runs from 10:30 a.m. - 1:00 p.m.

\$4.25 per student. REGISTER by calling (916) 746-1550.

DATES	1-3rd GRADE COURSE CODES	4-6th GRADE COURSE CODES
Oct. 5, 2012	Stuff Busters 60137	Elements of Waste 60091
Nov. 2, 2012	Hydro Heroes 60136	Keepin' It Clean 60096
Dec. 7, 2012	Power Patrol 60103	Electron Flow 60138
Feb. 1, 2013	Stuff Busters 60110	Elements of Waste 60140
Mar. 1, 2013	Hydro Heroes 60116	Keepin' It Clean 60141
Apr. 5, 2013	Power Patrol 60122	Electron Flow 60142



Roseville Utility Exploration Center

1501 Pleasant Grove Blvd.

Roseville, California 95747

(916) 746-1550

www.roseville.ca.us/explore

Hours

Tuesday - Saturday 10 a.m. - 5 p.m.

Closed Sunday and Monday

STAYING CONNECTED

QR Tag: Scan with your smart phone to go to our website

Facebook: [RosevilleExplorationCenter](https://www.facebook.com/RosevilleExplorationCenter)

Twitter: [Uki_Exploration](https://twitter.com/Uki_Exploration)

