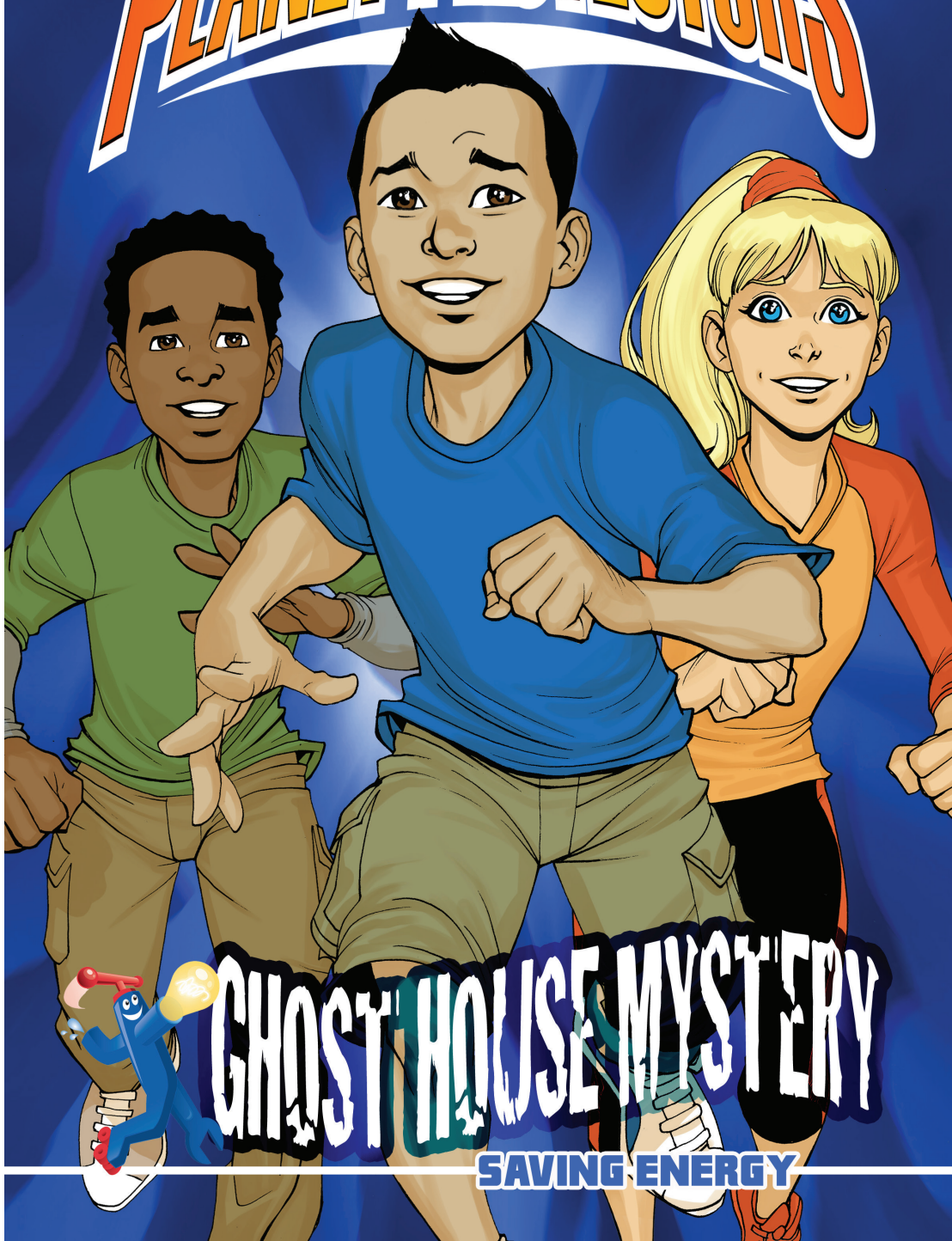


ISSUE

1

ROSEVILLE UTILITY EXPLORATION CENTER

PLANET PROTECTORS



GHOST HOUSE MYSTERY

SAVING ENERGY



Roseville Electric and the
Utility Exploration Center present
The Planet Protectors

Join **Brandon, Johnny, and Danica,**
as they solve the
The GHOST HOUSE MYSTERY

ROSEVILLE ELECTRIC, a community-owned electric utility, has provided reliable power and excellent customer service for more than 100 years.

www.roseville.ca.us/electric

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 Environmental Utilities, departments of the City of Roseville. Supplying electricity, drinking 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.

Please visit our website at www.roseville.ca.us/explore to learn about our low-cost and grant-funded school programs, homeowner workshops, and special events.

RESEARCH AND ACTIVITIES BY
HARVEST MOON STUDIO

CITY OF
ROSEVILLE
CALIFORNIA
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ILLUSTRATIONS BY
BERNARD CHANG

ROSEVILLE, CALIFORNIA

HEY DANICA!
HEY JOHNNY!

HEY, BRANDON!
WHAT TOOK YOU
SO LONG?

WE KNOCKED ON
YOUR DOOR.

NO ONE'S
HOME.

THAT'S OKAY, WE
KEEP A SPARE
KEY HIDDEN.

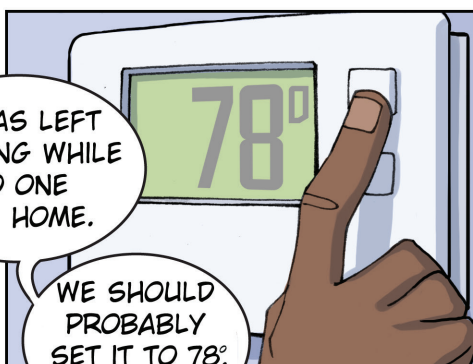
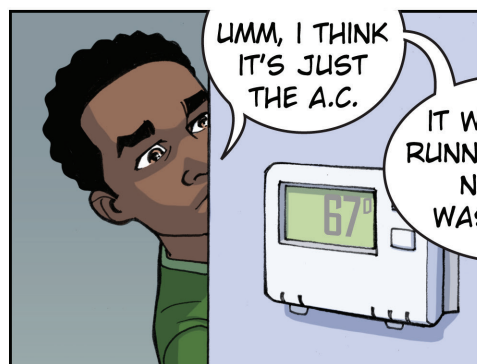
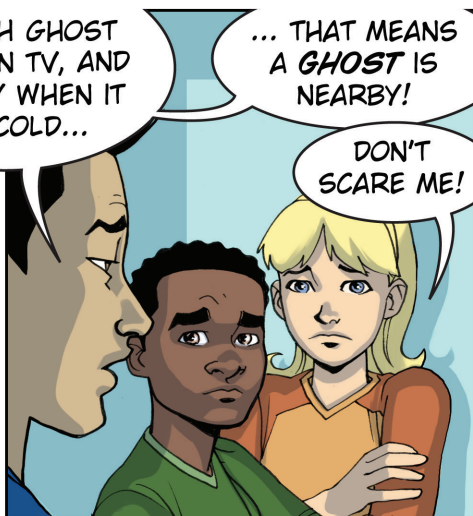
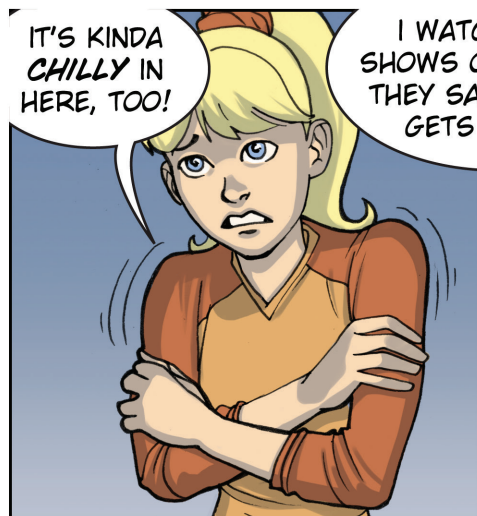
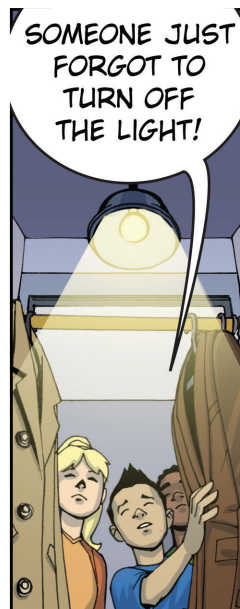
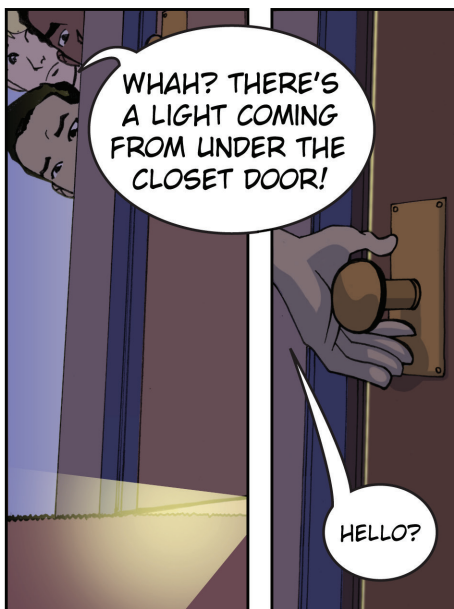
HEY, WHY IS
THE ELECTRIC
METER STILL
RUNNING...

I THOUGHT
YOU SAID...

... NO ONE
WAS HOME?

UNLESS THAT
MEANS THERE'S...

A **GHOST**
IN MY
HOUSE!?!



YEAH, BUT THOSE TWO THINGS
CAN'T BE ENOUGH TO TURN
THE **ELECTRIC METER**
CRAZY LIKE THAT.

THERE MUST
BE **SOMETHING**
ELSE HIDING IN
THE HOUSE?

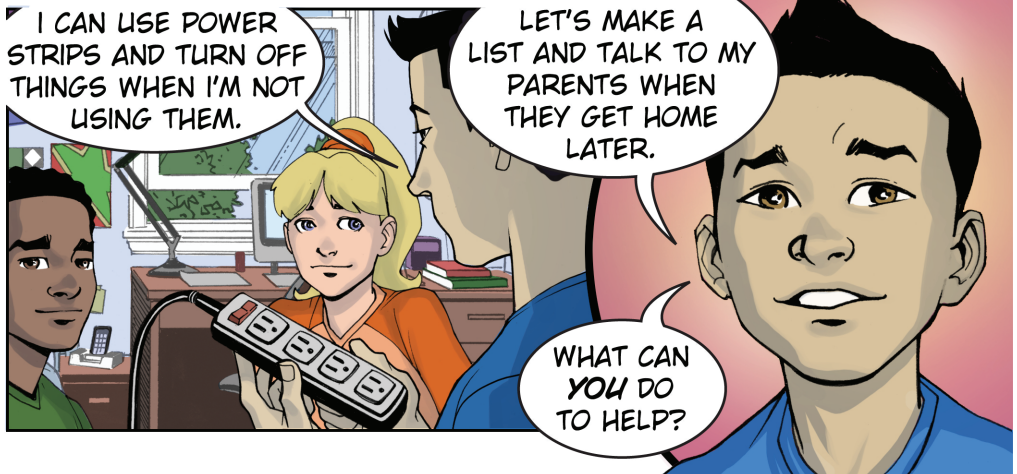
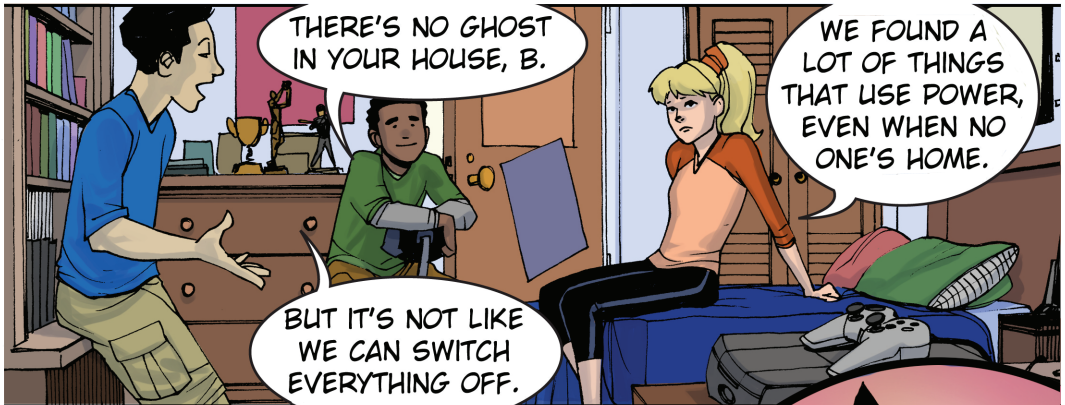
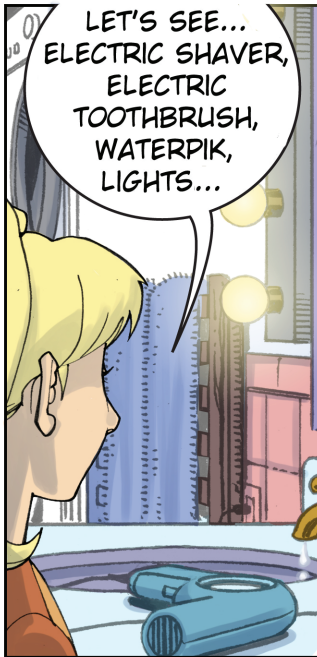
WHY DON'T WE
SPLIT UP AND
SEARCH
THE HOUSE.

SEE IF WE CAN
GET TO THE BOTTOM
OF THIS **MYSTERY!**

SOUNDS LIKE
THE PLAN!

I'LL LOOK
IN THE
BATHROOMS.







WORD SCRAMBLE

**Unscramble the words
shown below — and assemble
the highlighted letters in
each word to reveal
a secret message!**

DIWN

just weather...or a renewable energy source?

--	--	--	--

RSOAL

energy from the sun

--	--	--	--	--

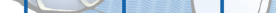
ELD

a bright and energy-efficient bulb



TTKOLIW A

one thousand units of electrical energy

						
---	---	---	---	---	---	---

REGNYE RTSA

the label to look for on appliances

					O				
--	--	--	--	--	---	--	--	--	--

REPWO PRIST

a device to plug into, and turn off when not in use



ODYHR-CRICELTE

clean energy from water turbines



LPTHAOITCOVO

panels that capture solar energy

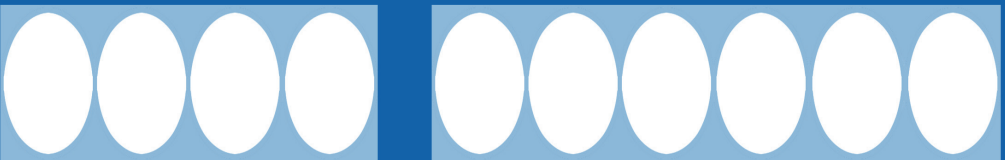


EGEOMRANTL

power produced from the Earth's heat



CODED MESSAGE:



CLUE: What Planet Protectors do when they turn off lights and power strips, and switch to LEDs.

CODED MESSAGE:
SAVE ENERGY

HYDRO-ELECTRIC
PHOTOVOLTAIC
GEOTHERMAL

KILOWATT
ENERGY STAR
POWER STRIP

Answers:
WIND
SOLAR
LED

BE A PLANET PROTECTOR ENERGY AUDIT

Hey Kids,

Search your own home for energy-saving opportunities!

Answer the questions below—with an adult's help—to find out if you're already a Planet Protector, or well on your way.

Bring in the completed form to the Utility Exploration Center to qualify for a free gift!

31 – 44
points
Eco-Sidekick

45 – 65
points
Planet Protector!

20 – 30
points
Future Protector

☐

1. Ask an adult if your family has a programmable thermostat.

Yes = 6 points; No = 2 points

☐

2. Ask an adult at home how many times the heating and air conditioning filters were changed within the last year:

None (2 points); 2 to 3 times (4 points); 4 or more times (6 points)



- ☐ 3. How many of your large windows at home have solar-screens on them?
None (2 points); 2 to 3 (4 points); 4 or more (6 points)
- ☐ 4. Open your front door and check the condition of the weather stripping between the door and doorframe.
None (2 points); worn out (4 points); good/new (6 points)
- ☐ 5. How often do you turn lights off when you leave a room?
Almost never (2 points); sometimes (4 points); always (6 points)
- ☐ 6. Count the number of light emitting diode (LED) bulbs you have in your house.
None (2 points); 1 to 4 (4 points); 5 or more (6 points) [or, 1 point per LED]
- ☐ 7. Count the number of shade trees near your home.
None (2 points); 1 to 3 (4 points); 4 or more (6 points)
- ☐ 8. Search your house for the ENERGY STAR™ symbol. How many appliances and home electronics with the symbol did you find?
None (2 points); 1 to 2 (4 points); 3 or more (6 points)
- ☐ 9. Ask an adult how recently your heating and air conditioning system has been serviced or tuned up?
Within the last 10 to 12 years (2 points); within the last 5 years (4 points); within the last 1 to 2 years (6 points)
- ☐ 10. Ask an adult at home how likely they are to consider installing solar panels?
Never (2 points); possibly (4 points); probably (6 points)
- ☐ 11. Turn off the lights in your home and then walk around and count all the little lights and clocks that are still glowing.
1 – 5 (5 points); 5 – 10 (2 points); over 10 (0 points)

TOTAL SCORE



Hey kids and families! Bring in your completed activity books to the Utility Exploration Center to qualify for a free gift.



Scan the QR code to discover
more ways to save energy
or visit
www.roseville.ca.us/planetprotectors



ROSEVILLE UTILITY EXPLORATION CENTER **PLANET PROTECTORS**

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