

Super Kids Save the World



discovery gateway
the children's museum of utah

A new hands-on traveling
exhibit created by The Magic House
that empowers kids to
Reduce, Reuse, Repair
and **Recycle!**



The Magic House
St. Louis Children's Museum

enterprise

Super Kids Save the World

May 16 - August 23, 2015



HOUSE

George was keen to get on and save the world. He quickly ate his breakfast and tossed his leftovers in the trash can. "Slow down, George," said Grandpa. "We might be able to use some of that again." "But it's rubbish," said George, looking puzzled. "Aha," laughed Grandpa, "don't be too sure."

- Take the Super Kid pledge to take care of our world
- Don a super hero cape made from a recycled tablecloth
- Dress a life sized cut-out figure to decide which children's clothes go to the Re-Use Charity Shop
- Repair a broken toy car so, it can be played with again
- Prepare and pack a healthy lunch with re-usable containers

STEM
Learning
Opportunity:
The Science of
Composting



GARDEN

"I don't have time to hang out washing," said George. "I'm a world saving superhero, you know!" "EXACTLY," said Grandpa. "Saving electricity will help you save the world."

STEM
Learning
Opportunities:
Conserving
energy

- Pick fresh vegetables in the garden to take to the market
- Turn the compost pile with a garden rake
- Create bedding for the bunny cage from torn newspaper
- Save energy by hanging clothes on a clothesline



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RE-USE CHARITY SHOP

The charity shop in town was such fun that George almost forgot he was saving the world. "Say goodbye to your old clothes and books!" said Grandpa. "But say hello to a fancy dress," said Flora.

- Try on funky clothes and see the result in the many mirrors
- Produce greeting cards from a wide variety of recycled materials
- Play music on record players, radios and cassette recorders
- Arrange the display windows with interesting re-used items
- Create a missing puzzle piece, so the puzzle can be sold
- Make new clothes for a paper doll

STEM Learning
Opportunities:
Re-imagined
use for something
old (making it new or
used differently)



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FARMERS' MARKET

“Eating these strawberry tarts helps save the world, too,” said Grandpa. “Things you buy at a Farmers’ Market are grown locally, so they haven’t had to travel thousands of miles using up gasoline all along the way. They’re fresh, so they’re better for you.”

STEM Learning
Opportunities: Creating
energy from exertion;
fuel consumption

- Sell fruits and vegetables in a local outdoor market
- Pick apples from a special tree.
- Arrange baked goods, cheese and bread for sale under a colorful awning
- Ride a bike to generate energy to power a streetlight



RECYCLE CENTER

“We can sort the rubbish for recycling, now,” said Grandpa. “Oh, Grandpa, this isn’t what I mean by saving the world!” said George crossly. “Maybe not,” said Grandpa. “But we’re doing it for real.” “For real?” said George. “Yes,” said Grandpa, smiling, “you’ve been saving the world all morning.”

STEM
Learning Opportunities:
The science
of recycling

- Take on the role of workers in a recycle center
- Wear a hard hat and safety vest
- Drive a recycling truck
- Sort trash onto a conveyor belt system
- Play a rapid-paced computer game to see who can sort recycled materials the fastest



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REDUCE FUEL STATION

We'll go into town now," said Grandpa. "But we haven't got the car today," said George. "So we'll cycle, which means we won't be wasting any "Gasoline?" said George. "Exactly," said Grandpa.

- Explore the red convertible Smart Car
- Fill the tank with biofuel
- Clean the windshield with a homemade and safe cleaning product
- Climb through a tire tunnel made from tires ready to be recycled

STEM Learning Opportunities: Biofuel production and uses; homemade cleaners using household items; alternative fuels



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RESEARCH LAB

Remember the four Rs. Reduce!
Use less of everything. Re-use!
Clean it up and use it again. Repair!
Fix it and use it again. Recycle!
Turn it into something else useful.

- Play a virtual algae game to speed up bio-fuel production
- Pump algae water through a photo-reactor
- Use a microscope to identify algae from other microorganisms
- Turn a hand crank generator to experience the difference between incandescent and compact fluorescent light bulbs
- Operate the levers to learn about solar power

STEM Learning
Opportunities: Biofuel
production
and biology

