

WELCOME TO  
**SOLARVILLE**

IN THE APS SOLAR GALLERY

# SOLARVILLE

## PARENT GUIDE

APS Solar Gallery, Level 4



Never stop wondering.  
Never stop imagining.™

# SOLARVILLE

## GALLERY INFO

Step off the elevator and board the Solar Light Rail Station to begin your journey. Once in Solarville, you will stroll through scientific labs that study the sun and how to harness and distribute sustainable green energy – from algae, alternative fuels, and poop.

Lend a hand in developing wind engine turbines and inventing new garbage waste systems. Also, learn about cutting-edge technologies being implemented to address sustainable energy in businesses and cities around the world.

Explore ways you can utilize solar and renewable energy in your everyday life, from home appliances to harnessing the power of the changing seasons.

## QUESTION GUIDE

- After visiting the Road to Renewable Energy Kiosk, ask your child about the pros and cons of using solar as an energy resource.
- Check out the *Algae Fuel* video, and see what your child thinks about using algae as a sustainable source of energy.
- Stop by the *Smart Windows* station and test an energy-saving window that goes from clear to opaque with the flip of a switch. Ask your child what they think are some benefits of having smart windows at home.
- Take a look at the *Why Birds Don't Get Zapped* infographic and ask your child why birds don't get electrocuted when they sit on top of a telephone wire.
- Ride a bike at the *Pedal Power* station and use your own power to light up three different kinds of light bulbs: incandescent, fluorescent and LED. Which one takes the most energy?
- Check out the *Screen the Sun* activity to test different materials, like sunscreen and denim, to see which one lets more UV light through. Ask your child why they think this happened.