

# Winfield Central School

## Winfield Energy Club 2024-2025

### Advisor: Mrs. Cori Nelson

**Project Summary:** We learned a lot about energy and had fun sharing what we learned with others. We completed STEM projects, played games and even built homes that were delicious as well as energy efficient. We hosted a Family Fun Energy Night for students in K-5 and their families. We also encouraged families to leave the car at home on Walk to School and Bike to School days.

Our big project of the year was a shoe drive to honor late Ms. Zeman, a gym teacher who had a passion for shoes and often gave shoes to students in need. We collected gently used shoes and with the help of [funds2orgs.com](https://funds2orgs.com) were able to exchange these for brand new shoes for local students and their families in need. This project kept many shoes out of the landfill and were sent to small businesses in developing countries. We also donated gently used solar eclipse glasses to be used again by students in South America.

The Winfield Energy Club succeeded in making a local and global impact through energy education!

# Goal 1: Learn about energy!

**Science of Energy**

**Energy House**

**Sidekick Circuits**

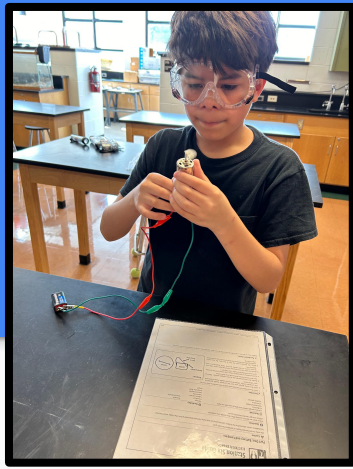
**Candy Collector**

**Gingerbread Energy House**

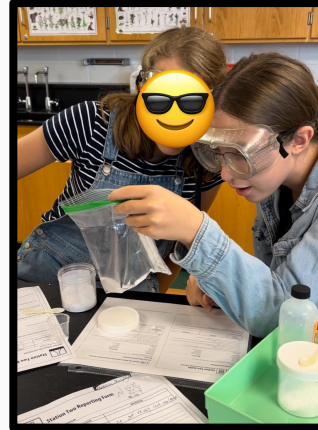
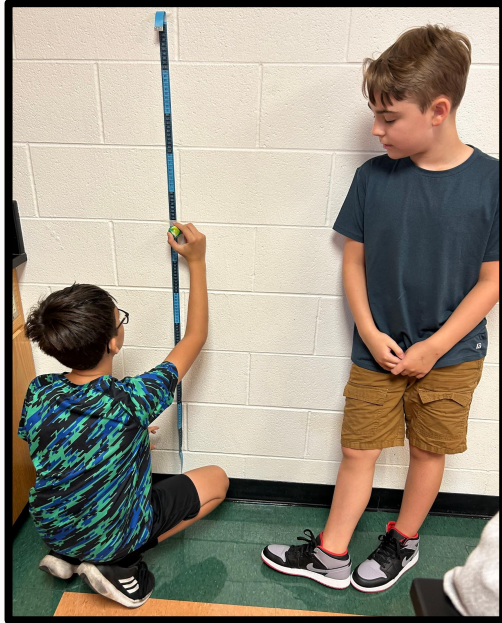




# Science of Energy



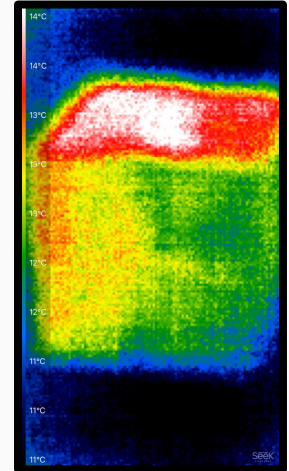
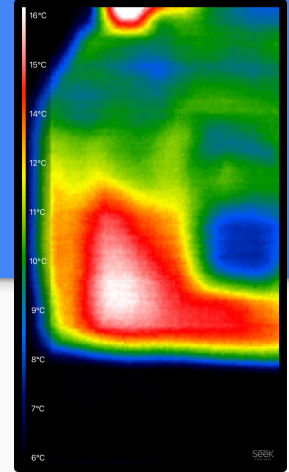
We learned about energy transformations!



# Energy House



We built homes sticking to a budget and building code. We tried different types of insulation and tested the houses on a cold day. A thermal camera helped us see where the heat was escaping.

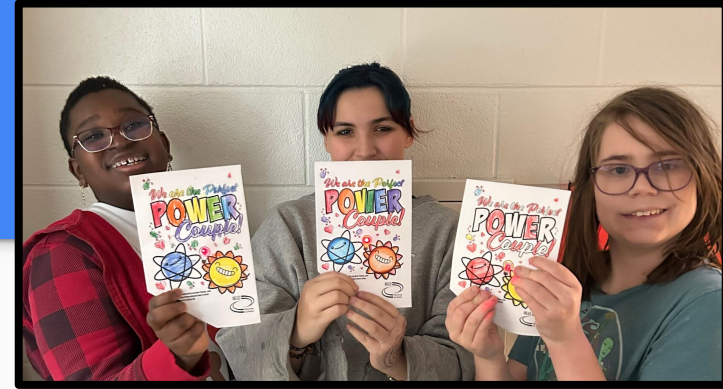




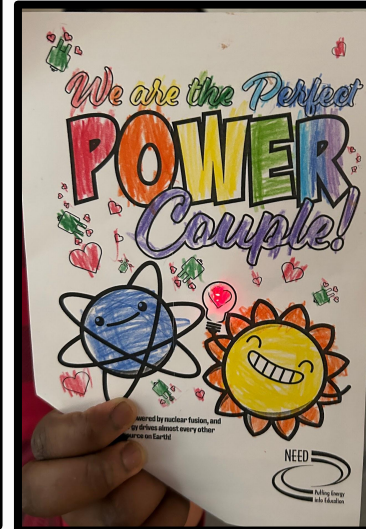
# Sidekick Circuits and Candy Collector



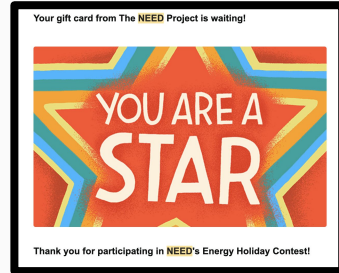
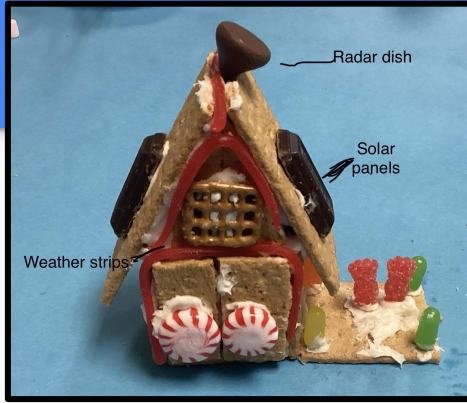
We made circuits using copper tape and LED lights.



Candy represented energy for our town. We learned about renewable and nonrenewable energy.



# Gingerbread Energy House



We entered NEED's gingerbread energy house contest and won an Amazon gift card that we used to buy supplies for our family fun event. Thank you, NEED!

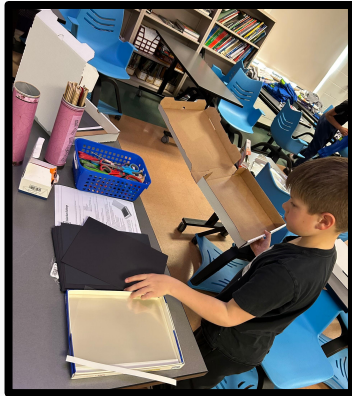


## Goal 2: Share what we have learned with the community

We hosted an Energy Family Fun Night for grades K-5. Attendees made sidekick circuits and a solar oven to take home. We had a raffle for energy themed prizes. We advertised by making posters and creating a video commercial that was added to the morning announcements. We prepared all of the supplies ahead of time for the participants and taught them how to do each activity.



Screenshot from our morning announcements video



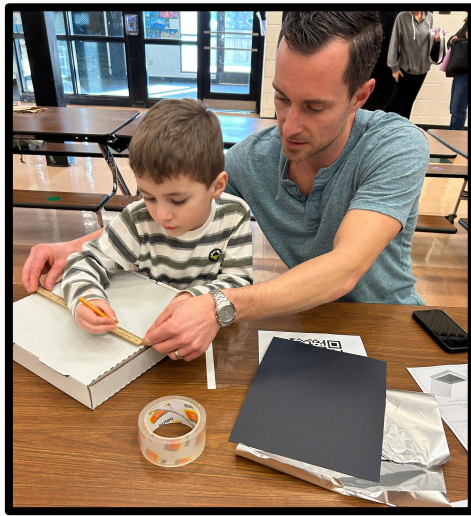
Preparing supplies for the event



We greeted attendees and gave them supplies and instructions







## Solar Ovens and Sidekick Circuits!





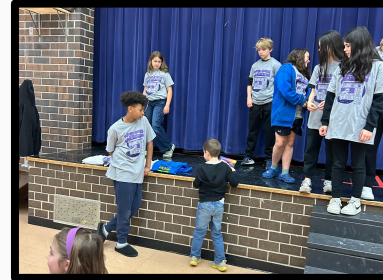
## Our attendees



## Our Energy team!



## The Lucky Winners!



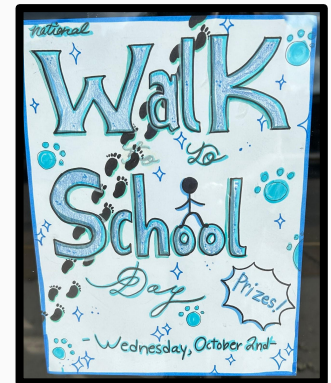
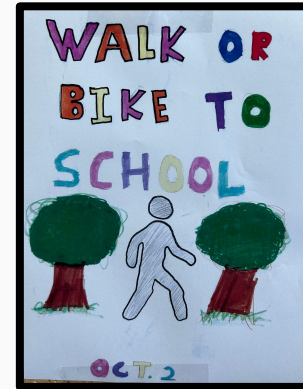
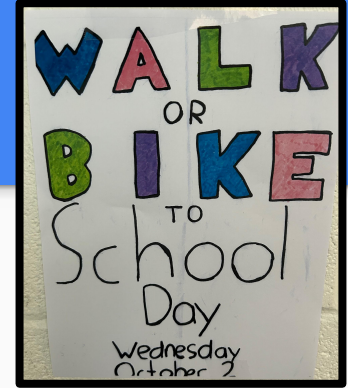
**Raffle prizes included t-shirts and solar cars!**

# Goal 3: Host events to make a difference in our community

**Bike to School Day** - May 8th, 2024

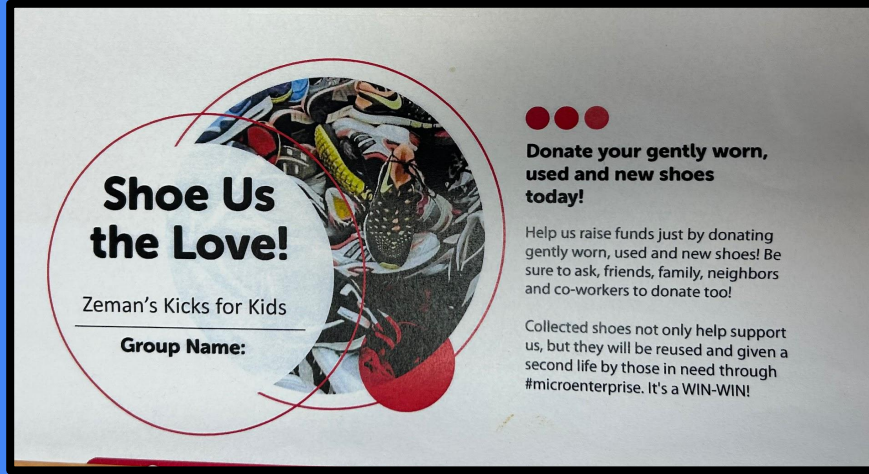
**Walk to School Day** - October 2nd, 2024

**Shoe Drive** - with the help of [funds2orgs.com](https://funds2orgs.com) and some of our retired teachers





# Shoe Drive



**Shoe Us the Love!**

Zeman's Kicks for Kids

**Group Name:**

**Donate your gently worn, used and new shoes today!**

Help us raise funds just by donating gently worn, used and new shoes! Be sure to ask, friends, family, neighbors and co-workers to donate too!

Collected shoes not only help support us, but they will be reused and given a second life by those in need through #microenterprise. It's a WIN-WIN!



**RECYCLE**

Your used sneakers and running shoes

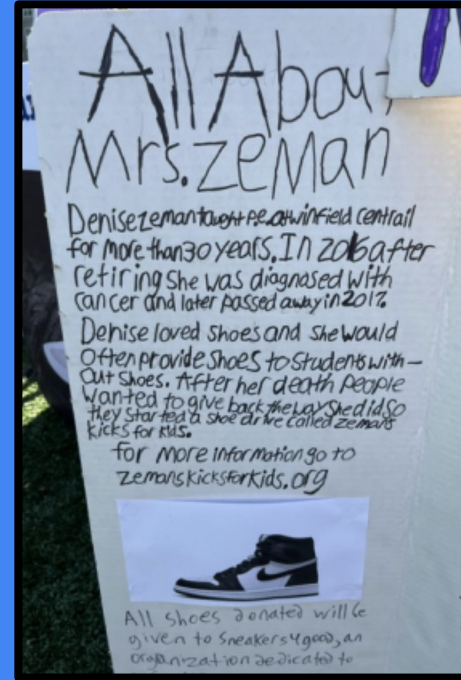
**HERE!**



Each year over 300 million pairs of shoes end up in U.S. landfills.

Help us make a difference one pair at a time.

Share your impact with #Sneakers4Good



**All About Mrs. ZEMAN**

Denise Zeman taught at a Winfield Central for more than 30 years. In 2016 after retiring she was diagnosed with cancer and later passed away in 2017.

Denise loved shoes and she would often provide shoes to students without shoes. After her death people wanted to give back the way she did so they started a shoe drive called Zeman's Kicks for Kids.

for more information go to [ZemansKicksforKids.org](http://ZemansKicksforKids.org)

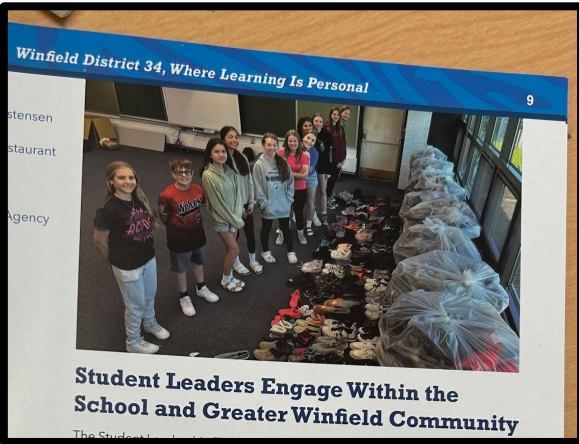
All shoes donated will be given to Sneakers4Good, an organization dedicated to



**Booth at the Tiger Run 5K to accept donations**



So many shoes were collected!



Tiger Times featured our project and this was sent to 2,750 households/businesses in Winfield

- We collected 61 bags full of gently used shoes (25 pairs in each) to be sent to developing countries to be used by small businesses there
- 65 pairs of brand new shoes were delivered to students and their families in 8 different West Chicago schools
- Overall, we raised \$3,000



New shoes for needy families!



# Zeman's Kicks for Kids Shoe Drive Success!



## Goal 4: Make a global impact



Following the solar eclipse in the spring of 2024, our club collected used eclipse viewing glasses to be shipped to South America so children would be able to safely view the next eclipse in their part of the world. We collected 288 pairs of glasses to be donated!

Thank you NEED for all of your support!



In loving memory of  
Denise Zeman who was  
an amazing teacher  
and dear friend.