

AN ENERGY EFFICIENT LIFE

OUR GOAL THIS YEAR WAS TO INFORM
OUR FAMILIES ABOUT ENERGY
CONSERVATION ALONG WITH
INFORMING OUR PEERS.

MS. ASHLEY PARROTT
NORTHERN MIDDLE SCHOOL
8TH GRADE NEED PROJECT





NORTHERN MIDDLE SCHOOL
GEAR UP LEADERSHIP TEAM



MS. ASHLEY PARROTT
GEAR UP LEADERSHIP TEAM
ADVISOR

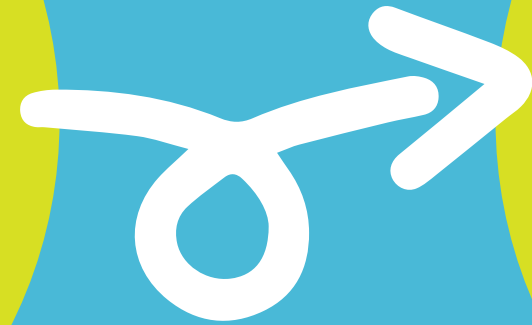


THIS YEAR, OUR KY NEED PROJECT WAS FOCUSED ON ENERGY SAVING TOOLS THAT WE COULD TAKE INTO OUR HOME AND USE. WE LEARNED ABOUT HOW TO MAKE OUR FAMILIES BILLS LOWER BY SAVING MONEY ON ENERGY EFFICIENT PRODUCTS AND ALSO MAKING THEM AWARE. FOR EXAMPLE, WE TOOK A HOME SURVEY TO SEE HOW MUCH MONEY AND NON ENERGY SAVING APPLIANCES WERE IN OUR HOME. WE TOTALED UP THE SCORE AND THEN COMPARED AT THE END OF THE PROJECT TO SEE IF WE WERE SAVING MONEY AND IF OUR TOTAL HAD GONE DOWN.

OUR GOAL WAS TO FOCUS ON OUR FAMILY THIS YEAR SINCE COVID HAS MADE AN INCREASE IN FAMILIES BILLS DUE TO MORE FAMILIES WORKING AT HOME AND STUDENTS BEING VIRTUAL. WE ALSO WANTED TO BRING AWARENESS TO OUR PEERS BY TEACHING A LESSON WITH MS. PARROTT ON NON-RENEWABLE AND RENEWABLE ENERGY. THEN WE MADE A COMMERCIAL BREAK FOR TEACHERS TO SHOW OUR CLASSMATES TALKING ABOUT ENERGY SAVING TIPS AND FACTS. LAST, MR. TYLER CVITKOVIC CAME TO OUR SCHOOL TO SHOW US WHAT AN ENERGY AUDIT WOULD LOOK LIKE AT A SCHOOL ALONG WITH SHOWING US HOW TO BE AUDITORS AND GO INTO THE CLASSROOM TO USE THE MATERIALS TO TEST WATTAGE, AIR FLOW, WINDOWS, LIGHT TYPES, AND TEMPERATURE. THIS ALLOWED US TO SEE WHAT WAS COSTING OUR SCHOOL THE MOST MONEY AND HOW WE COULD HELP THE SCHOOL SYSTEM KEEP COST DOWN ALL BY CHANGING THE TYPE OF LIGHT BULBS.

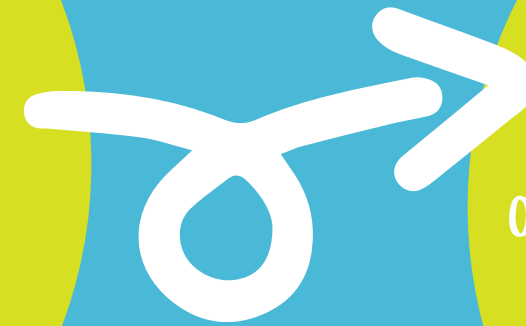
GOAL 1:

IMPROVING OUR
FAMILIES ENERGY
USE AT HOME



GOAL 2:

OUR FAMILIES
IMPROVED OUR
HOUSEHOLD
RATING



GOAL 3:

OUR FAMILIES
ARE AWARE
OF HOW TO SAVE/CONSERVE
ENERGY IN OUR HOME



GOAL 4:

TO MAKE OUR
PEERS AWARE OF THE
IMPORTANCE OF
CONSERVING ENERGY

OUR GOALS

NON RENEWABLE & RENEWABLE

WE DID A FUN INTERACTIVE LESSON WITH
OUR PEERS TEACHING THEM ABOUT THE
DIFFERENT RENEWABLE AND NON
RENEWABLE RESOURCES IN THE UNITED
STATES.

Renewable & Non-Renewable Resources

Matching Pairs:
Practice & Review

MATCHING



Slide 4 / 9

Hydroelectric

Wind

energy source
that uses moving
water to spin the
turbine directly

energy source that
uses the heat below
the Earth's surface
to produce steam
to spin a turbine

Geothermal

Solar

energy source
that uses the heat
or light energy from
the Sun to form
electricity

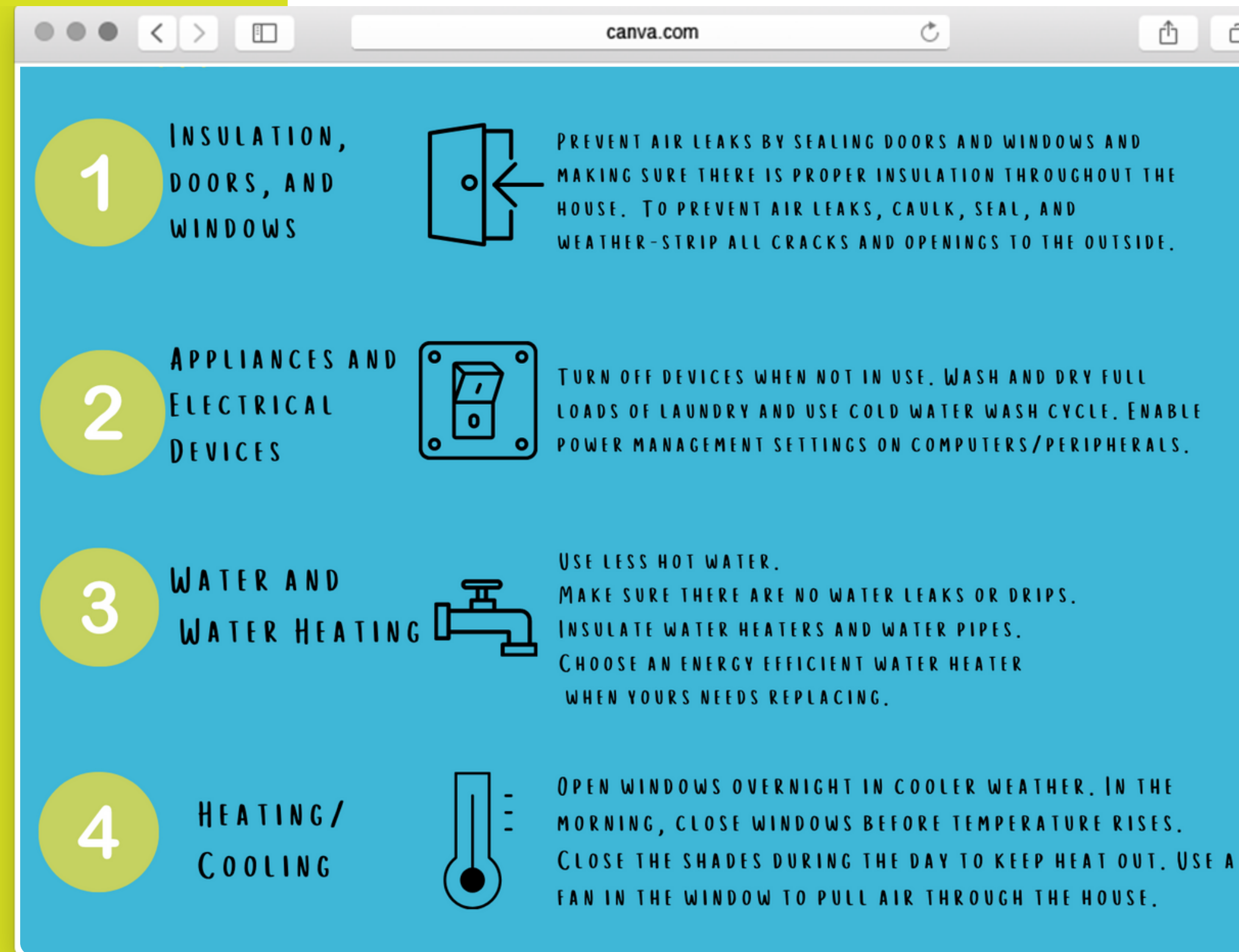
Biomass

energy source
that uses energy
from organic matter
(living things)

energy source
that uses moving
air directly to spin
a turbine

LEADERSHIP TEAM PRESENTATION IN CLASSES

We presented to our classmates about what we have learned by the KY NEED Program. We then gave them a fun activity to do at home provided by the KY NEED Website. We also made a flyer to send home to each family.

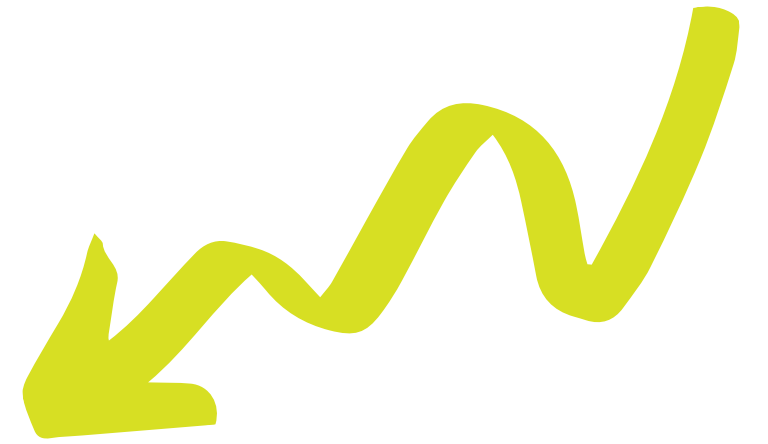
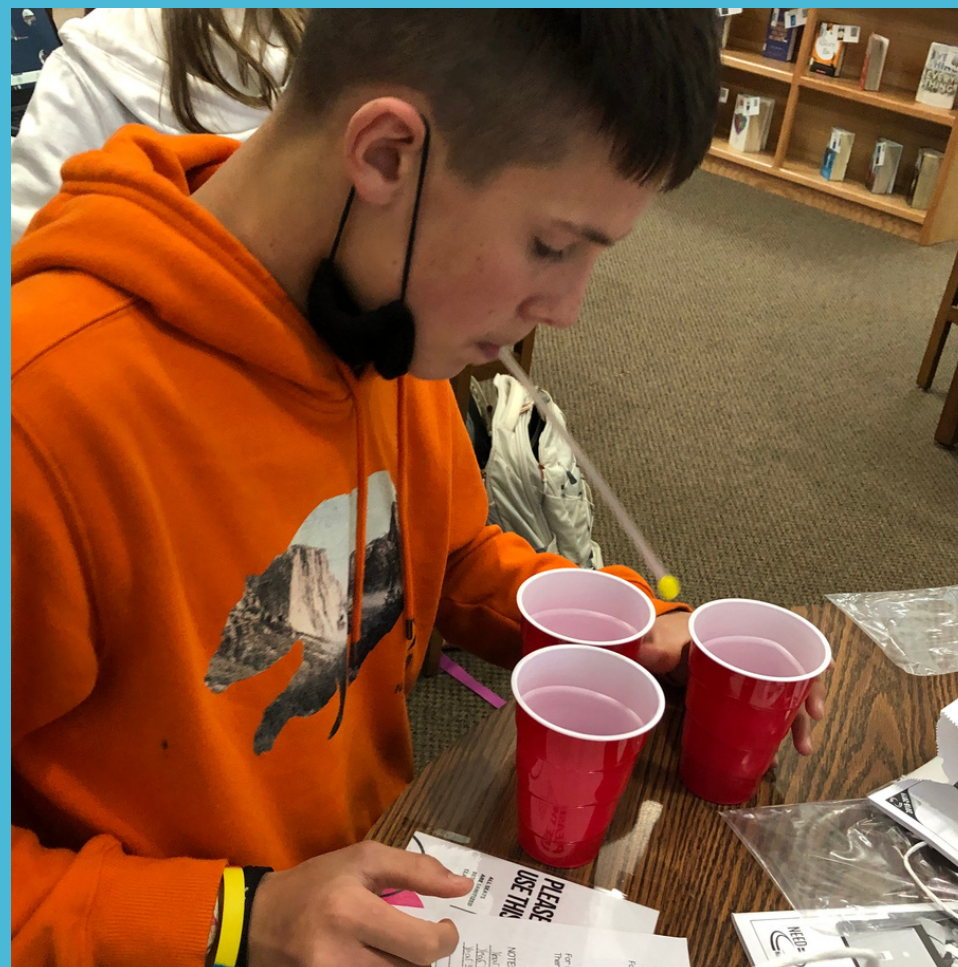


ENERGY SAVING COMMERCIAL

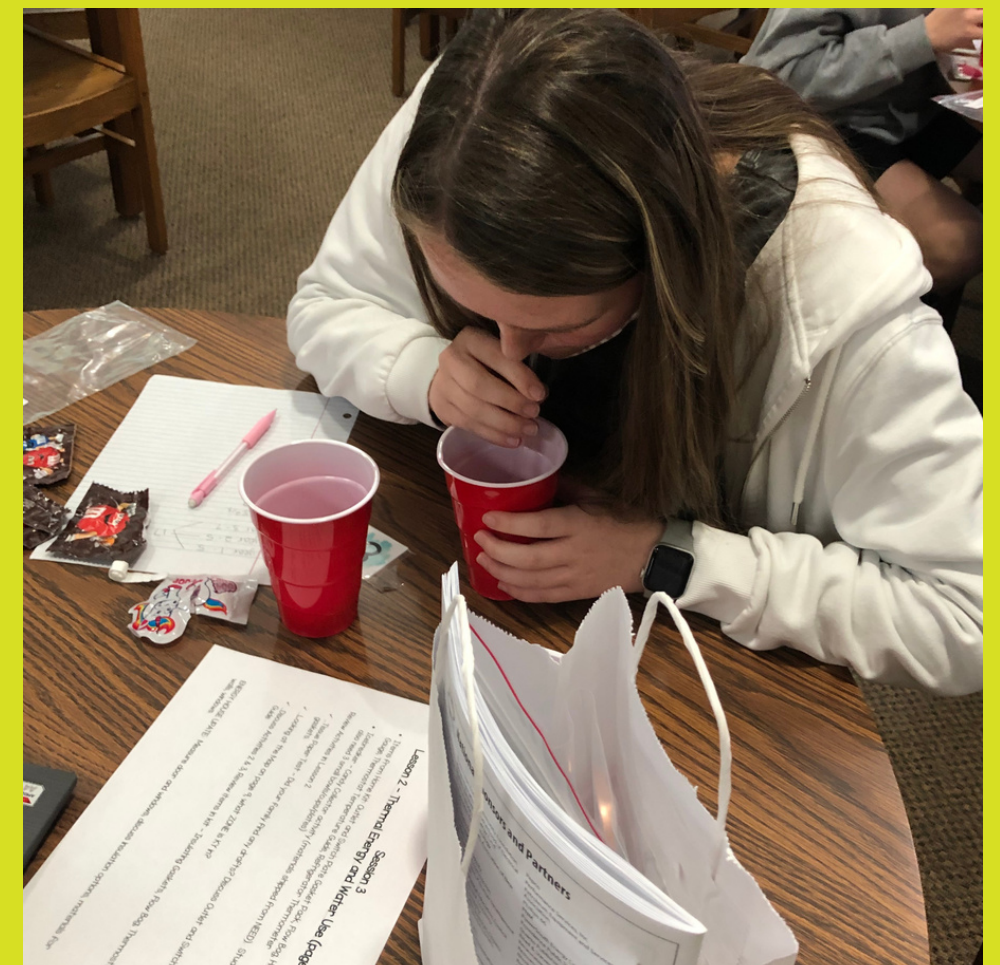
We made a commercial showcasing the importance of saving energy in the home and school



RENEWABLE AND NON-RENEWABLE ENERGY



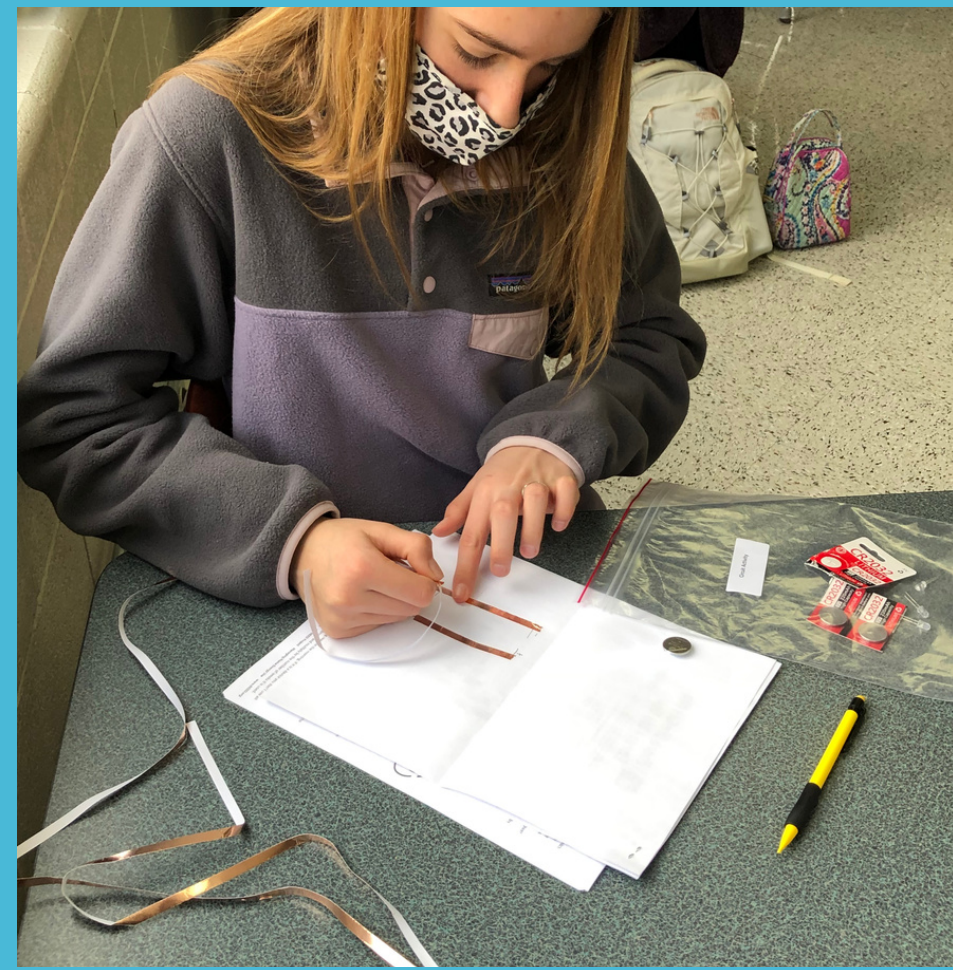
We worked with Ms. Karen to learn about non renewable and renewable energy. We did an activity to show the effect of non renewable in our town. The M&Ms were the renewable energy and the jelly beans were the non renewable energy.



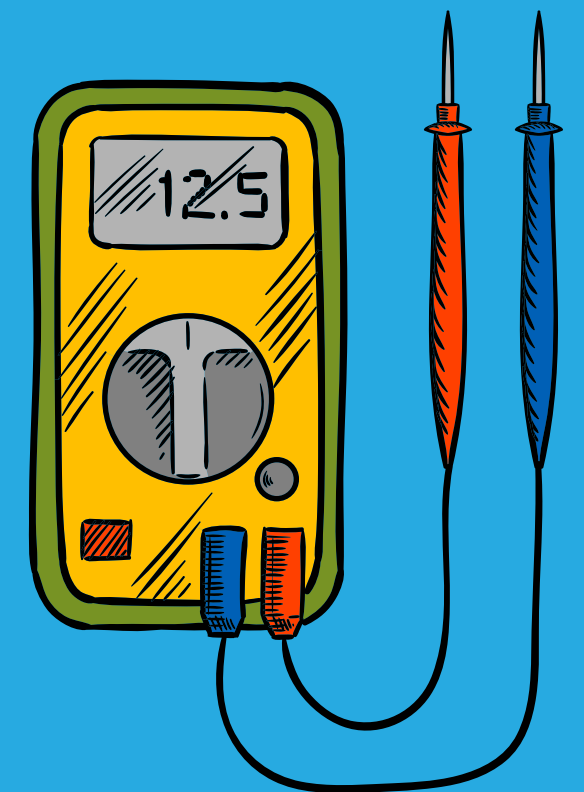
THIS WAS OUR FAVORITE ACTIVITY!!! IT WAS FUN AND MEANINGFUL.

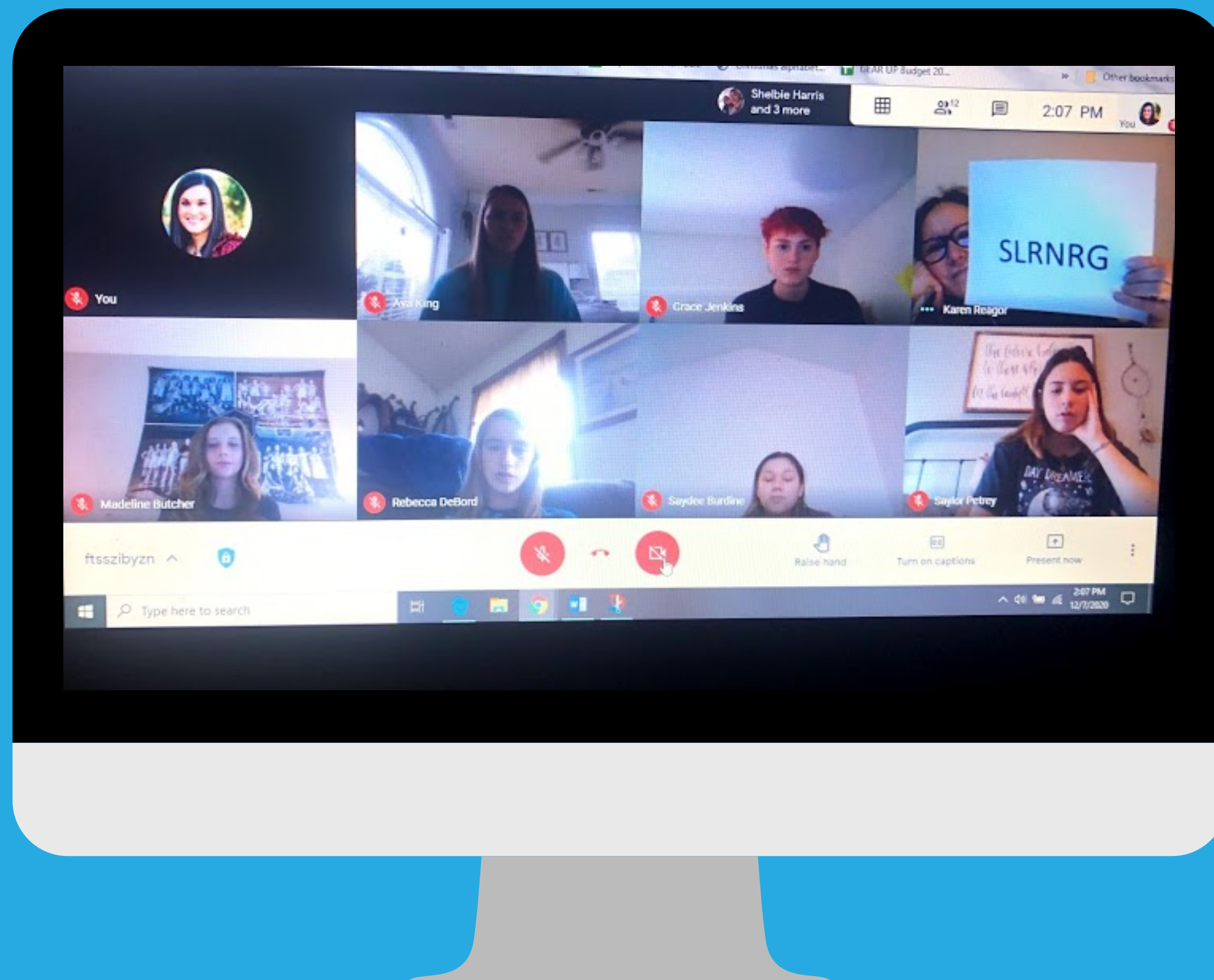
MAKING A CIRCUIT

Ms. Karen taught us how to make a Circuit to be able to make a light for our house that we made. With this, we looked at different light bulbs that were more energy efficient for our homes and school. When Mr. Tyler came to our school, he showed us how to cut our Electricity Bill in HALF!! This was all by just switching the type of light bulb. We also learned that even if the light bulb is not working (needs to be replaced) it is still using electricity.



VIRTUAL MEETING ABOUT TOOLS USED TO TEST ENERGY AT SCHOOL AND HOME



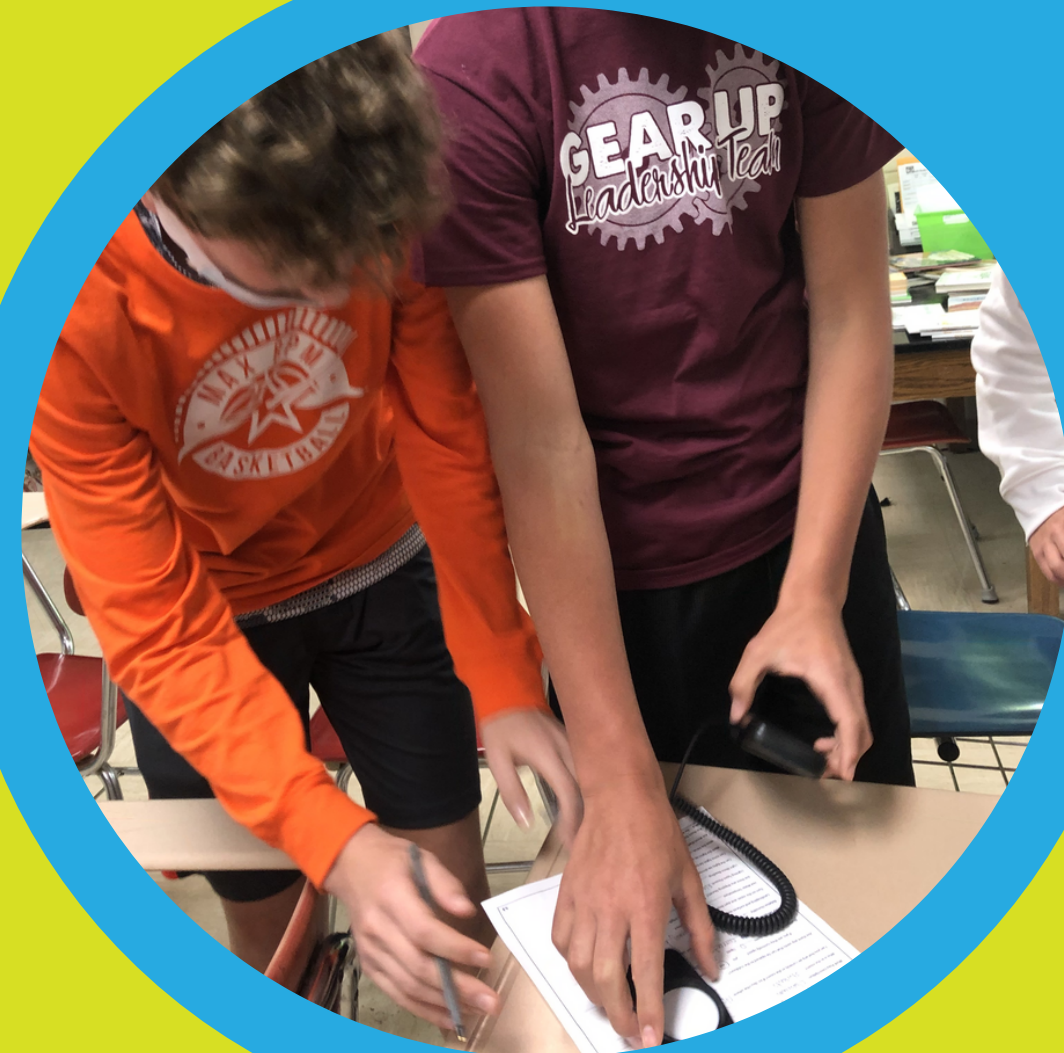


VIRTUAL MEETINGS WERE
DEFINITELY HARD DUE TO OUR
DISTRACTIONS AT HOME AND
INTERNET ISSUES BOTH AT HOME
AND SCHOOL! WE ARE SO
THANKFUL MS. KAREN WAS
PATIENT AND KIND WHEN TEACHING
US.

VIRTUAL MEETINGS DUE TO COVID 19 AND OUR SCHOOL ON VIRTUAL LEARNING

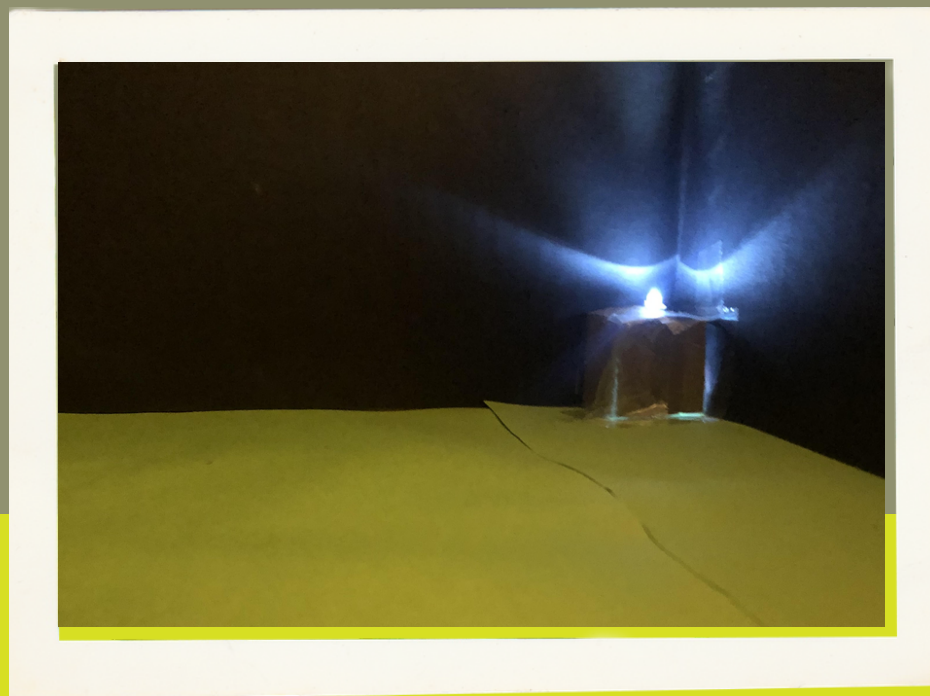
SCHOOL ENERGY AUDIT

Mr. Tyler Cvitkovic came to our school to go through what an actual school Audit would look like. We were able to use tools to check the windows, water temperature, Wattage, and Lights in our classrooms/Library/Gym/Boiler Room.



OUR ENERGY HOUSES

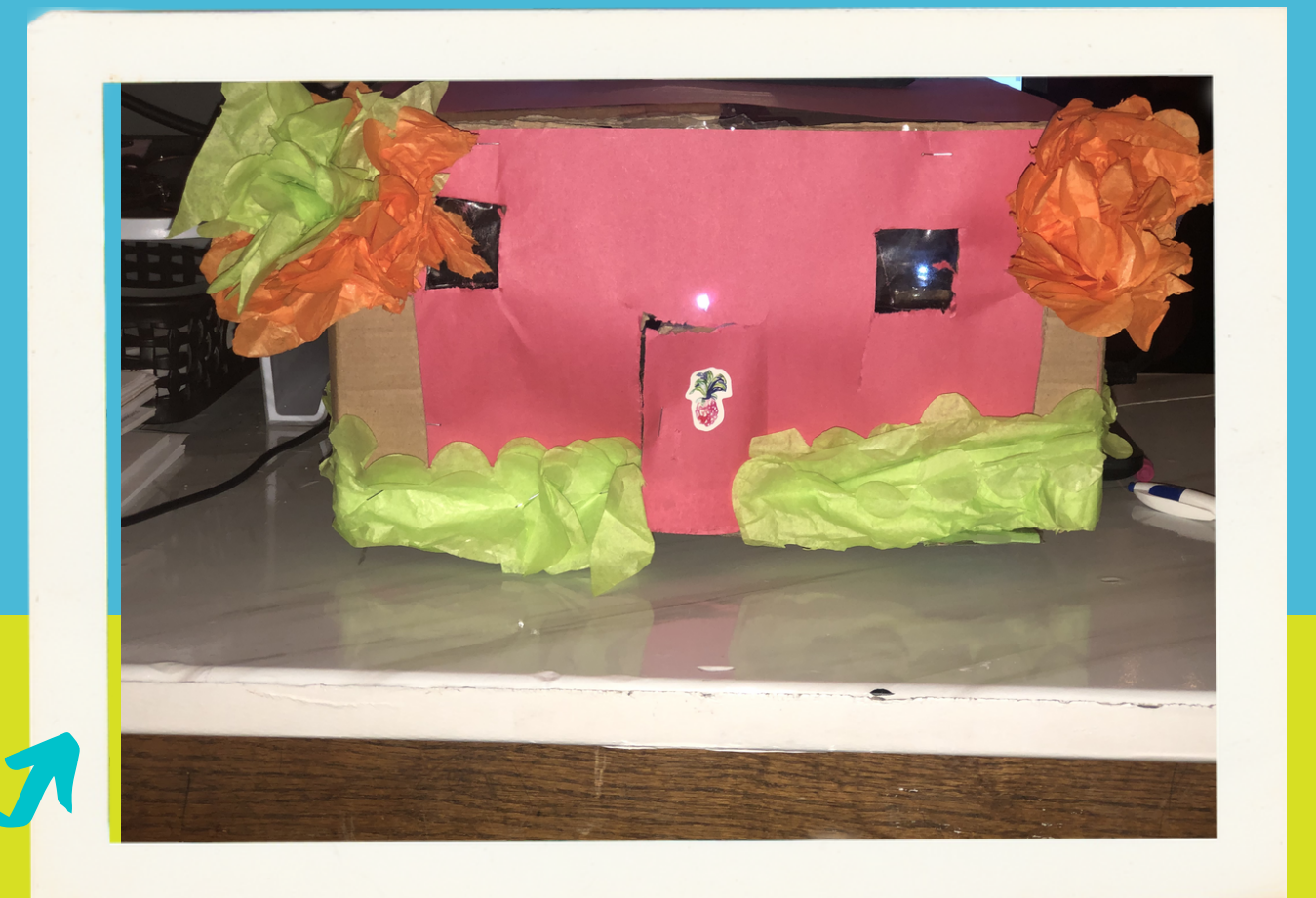
We made Energy Efficient Houses with lighting, insulation, windows, doors, appropriate coverings to block out the air from getting in through the windows and decorated it with landscaping.



DRESSER WITH NIGHT LIGHT



PORCH LIGHT AND LIGHT FROM THE DRESSER SHINING THROUGH THE WINDOW



OUTSIDE LIGHT, LANDSCAPING, AND INSULATED WINDOWS

ENERGY SAVING
IN OUR HOMES



COMMENTS FROM FAMILIES AND STAFF

LORI KING,
PARENT



MY CHILD HAS OVERLY ENJOYED THE NEEDS PROGRAM THIS SCHOOL YEAR. IT HAS BEEN A GREAT TOOL TO HAVE FAMILY TIME TO TALK ABOUT OUR APPLIANCES, DO THE HOME SURVEY, AND WORK ON WAYS TO CONSERVE ENERGY AS A WHOLE.

GJ WOOLDRIDGE,
NMS COACH/ASSISTANT



THE GEAR UP LEADERSHIP STUDENTS HAVE MADE THEIR PEERS AWARE OF THE COST IT TAKES TO LEAVE CHROMEBOOK PLUGGED IN, PHONE CHARGERS ALWAYS PLUGGED IN, AND LIGHTS ON. HEARING THEM TALK ABOUT THE WAYS TO SAVE ENERGY HAS MADE ME MORE EFFICIENT AT HOME. WE ARE ALSO LOOKING AT WAYS TO CONSERVE ENERGY FOR FOOTBALL (LIGHTS/WATER/ETC)

JENNIFER BUTCHER,
PARENT AND COUNSELOR



MY HUSBAND IS A HOME INSPECTOR AND HAS HAD TO LEARN ALOT ABOUT HOW TO HELP FAMILIES BECOME ENERGY EFFICIENT. IT HAS BEEN NEAT TO SEE MADELINE GOING AROUND OUR HOUSE TO MAKE SURE WE ARE SAVING AS MUCH AS WE CAN ON OUR BILLS. SHE HAS EVEN GOT HER BROTHER TRYING TO SAVE ENERGY!