



Energy Savers #1787

MES Green Earth Club

By: Bently, Landon, Saray, Peyton, Leevi

Advisors: Ms. Vuleta & Mrs. Tabler



Who are we..



Bently



Saray



Leevi



Peyton



Landon

TEAM Goals:

- To conserve energy in our school.
- To help save our planet and its resources.

As energy savers we are also a part of STLP. This year we are wanting to solve the problem of lowering the energy usage of our community. Our community includes our school and our neighborhood around us.

Our year at glance...

SEPTEMBER

S M T W T F S

In September we took a tour of our school with our Plant manager and looked at our energy usage dashboard.

OCTOBER

S M T W T F S

NOVEMBER

S M T W T F S

In November we did a school wide clean-up.

DECEMBER

S M T W T F S

JANUARY

S M T W T F S

In January we made our website and did a plug load.

FEBRUARY

S M T W T F S

In February we made our PSA video.

MARCH

S M T W T F S

In March we started on our LED project.

APRIL

S M T W T F S

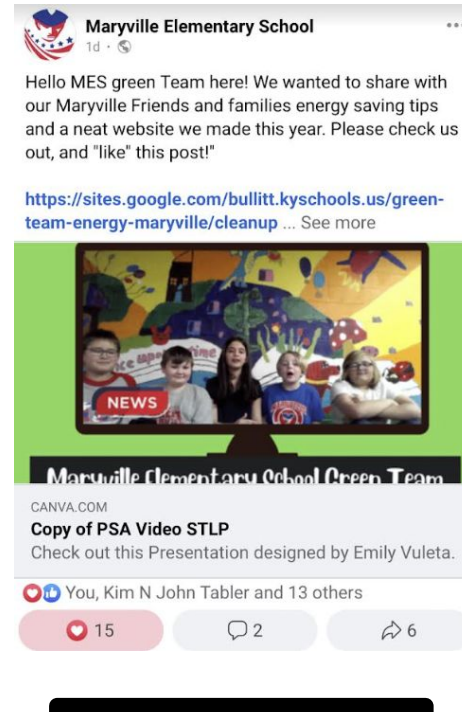
In April we presented our LED project to the classes and we put ways to save energy on the schools Facebook page.

Things we want to accomplish...

- Study and investigate and show our school why using LED lights are better than regular lights. (We plan to demonstrate to each classroom)
- Helping save energy in our community by getting the word out through videos, websites and social media.
- Keeping lights on lower levels.
- Saving money that is being spent on energy for our school.
- Unplugging things that aren't being used.
- Closing doors and turning off lights when you leave a room.
- Encouraging others to completely shut off their computers.
- Trying to increase the usage of touchable books, and not just digital books.

Collaboration

- We met with our Plant manager of our school. He showed us about our energy usage and helped us plan our experiments. (See pictures below)
- We made a PSA video that was sent out to the entire school on ways to save energy at MES. (See PSA video Below)
- When had a clean and collaborated with the members of the community.
- We made a website that was shared with every classroom in our school. We also had it posted to our school facebook. (See Website below)
- We Posted on our school social media.



Digital Citizens

- Website is of our creation, and is a work in progress.
- Anything we use, we will give proper credit.

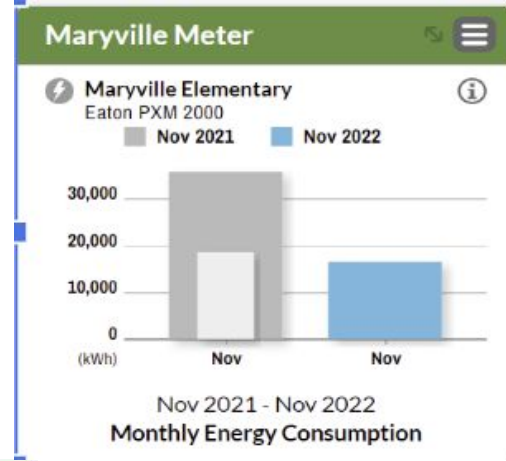
Technology we used:

- Computer/Chrome books
- Website for energy usage
- Google site
- Google Slides
- Cameras

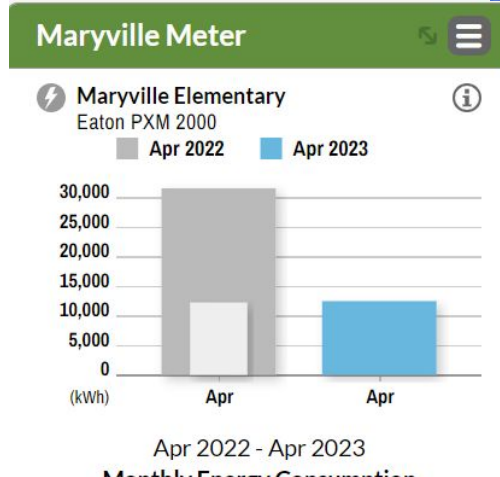
How will we measure our impact?

- Survey teachers, families, and students.
- Post information about our efforts on our school facebook.
- View energy usage dashboard from the district to see increase or decrease of usage:
<https://connect.tis.trane.com/dashboards/85401>
- Results of experiments:

November:



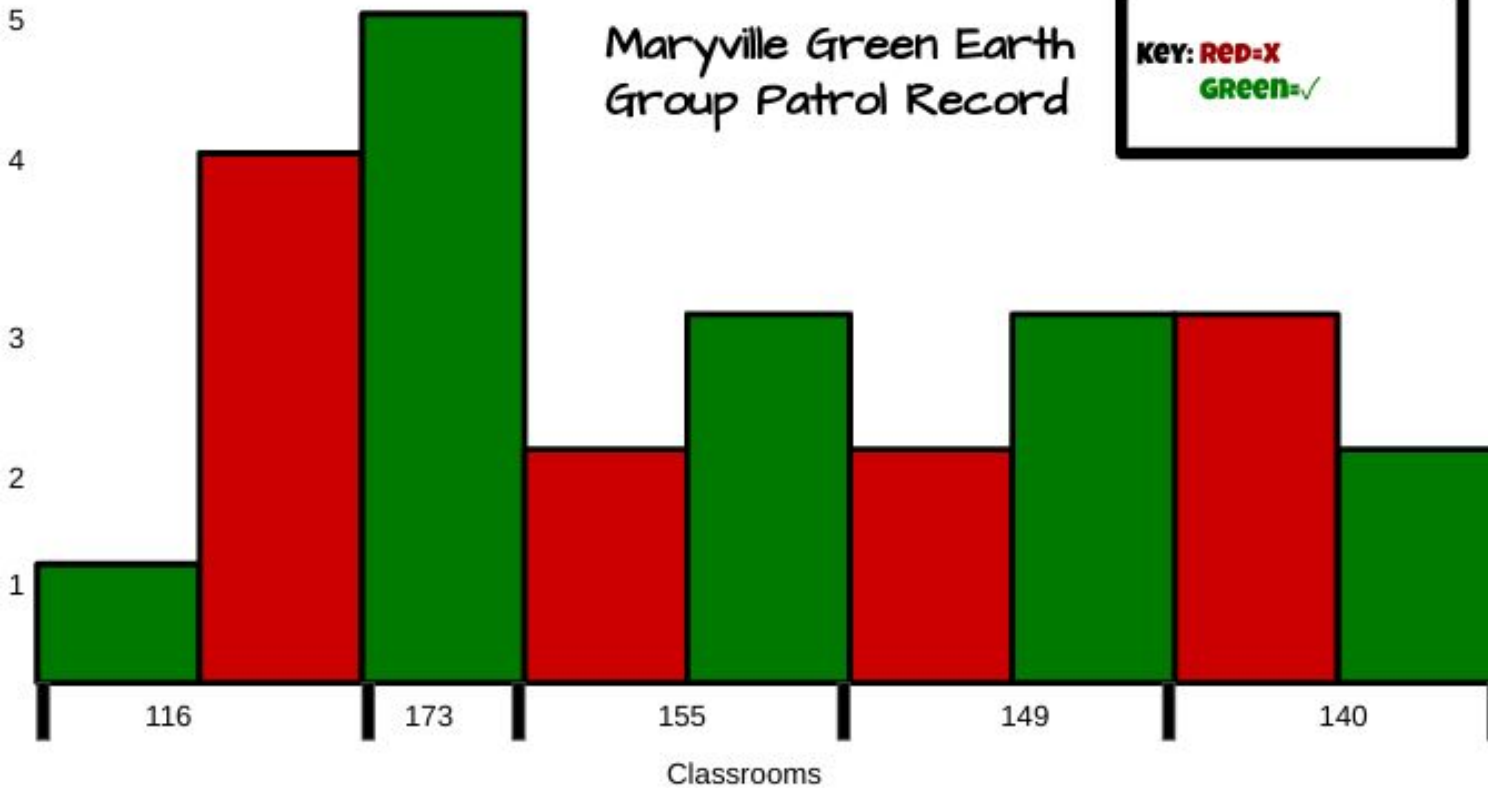
Now:



Previous Year
\$33,781

Total Energy Consumed
\$32,149

Patrol Record Bar Graph



We went around our school and checked if each room had their things turned off and unplugged. The X's mean how many things weren't turned off or unplugged. The checks mean how many things were turned off and unplugged.

Informing Each classroom about ways to conserve energy in our school... PSA video



Meeting with the MES plant manager: Mr. Greg (MES Handyman/Custodian)

We took a tour of our entire school and learned all the ways our school uses energy and tips on how we can save it.



OVERVIEW OF OUR RESEARCH AND LED PRESENTATIONS:

LED V.S. Incandescent

Incandescent Lights

LED Lights

An incandescent light bulb, is an electric light with a wire filament heated until it glows. The filament is enclosed in a glass bulb with a vacuum, to prevent the filament from rust.

An LED light bulb is an electric light that produces light using light-emitting diodes that use electricity. LED lights are significantly more energy-efficient than equivalent incandescent lights.

An LED Light uses 8.76 kWh per year and a normal light uses 525.6 kWh per year.

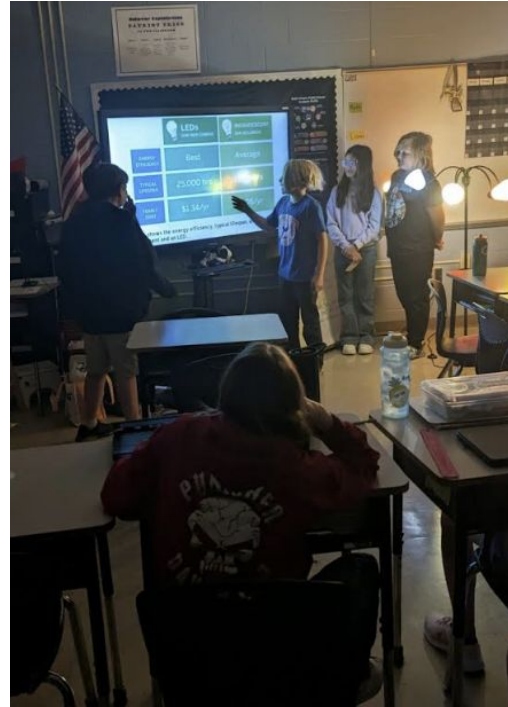
An LED Light uses 75% less energy than a normal light

LED Lights last up to 25 times longer than a normal light

LED Lights don't create heat and UV emissions

LED Lights are environmentally friendly

LED Light Classroom Presentations:



MES ENERGY WEBSITE

Maryville Green Team

Home Page

About Us

How to save energy

Cleanup

Custodian Tour

PSA Video

LED Light Presentati

Home Page

MARYVILLE ENERGY SAVERS

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What does Green Team do?

[HTTPS://SITES.GOOGLE.COM/BULLITT.KYSCHOOL
S.US/GREEN-TEAM-ENERGY-MARYVILLE/HOME-
PAGE](https://sites.google.com/bullitt.kyschools.us/green-team-energy-maryville/home-page)

Community/School-wide CLEAN UP & Monthly Club CLEAN UP

