



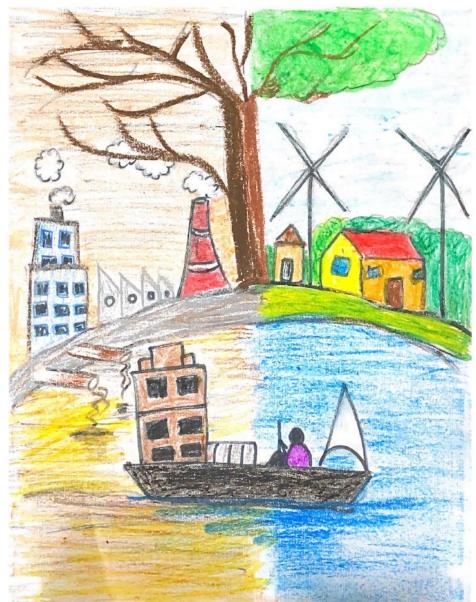
2021 HHS Kid's Earth Day Poster Contest

NIH Submissions



Aryadev Bera Kindergarten

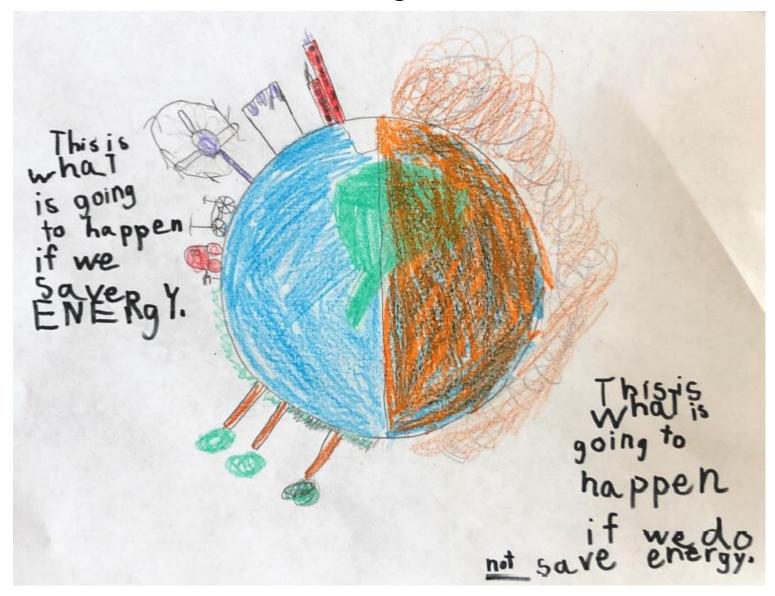






Benjamin McDermott Kindergarten





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Benjamin Berndt Kindergarten







Bijan Anderson 1st Grade







Charles Wang 1st Grade













Eshan Dutta 2nd Grade



Saving Electricity Consumption through LED

Eshan Dutta, Second Grade , Ronald McNair Elementary School , Germantown, Maryland

Why saving energy is important

- · Save energy save habitats
- When you consume less power, you reduce the toxic fumes released by power plants
- Conserve the natural resources and protect ecosystems from destruction
- If you reduce energy, then you save money in the utility bill

What is a LED light?

LED 👄 "light-emitting diode."

A semiconductor light source which emits light when current flows through it



Annual energy consumption calculation

		LED	Conventional light (incandescent bulb)
	Wattage (A)	2.5	15
,	Running hours per day (B)	10	10
	Yearly consumption = [(A x B x 365) / 1000] kWh (kilo watt hours)	· · · · · · · · · · · · · · · · · · ·	· /
	Energy saving	54.75-9.13 =	45.62 kWh

Incandescent light bulb	100 watts (most)
Fluorescent light bulb	40 watts
Traditional light bulb	15 watts
Led bulb	2.5 watts (least)

Conclusion

- LED use 6 times less energy to produce same brightness of light
- It is measured in Lumen
 unit
- LED bulb uses only 2.5 watts to produce a light output of 115 lumen, while a traditional bulb uses 15 watts.



Everleigh Durham Kindergarten







Gloria Li Kindergarten







Henry Cheng Kindergarten



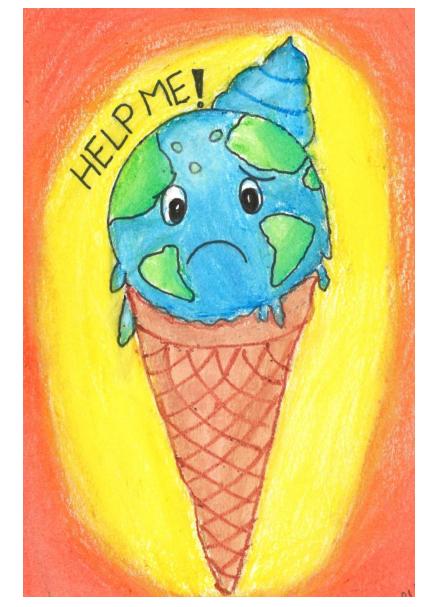


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Gouri Katti 2nd Grade

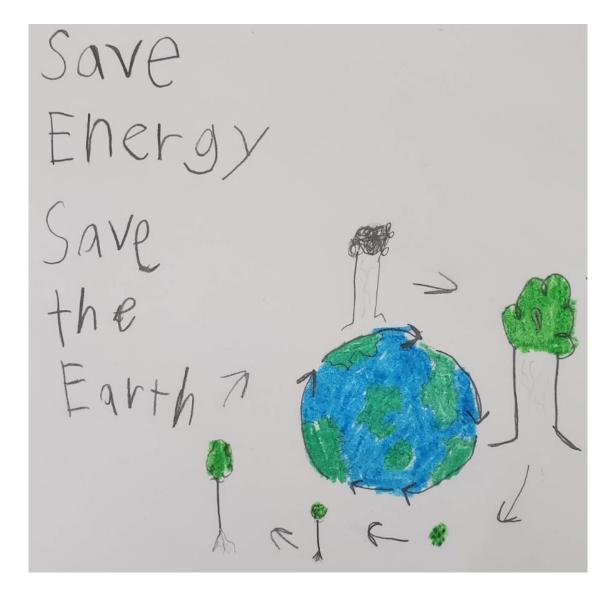






Lydia Machiela 1st Grade







Pragya Sil 1st Grade

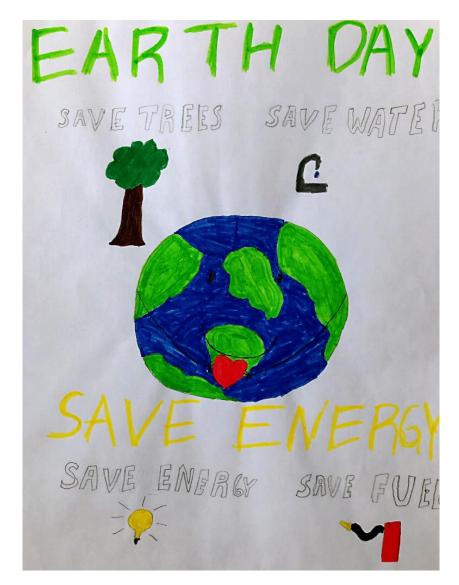














Ryan Cheng 1st Grade





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Samson Abhishek Kama Kindergarten















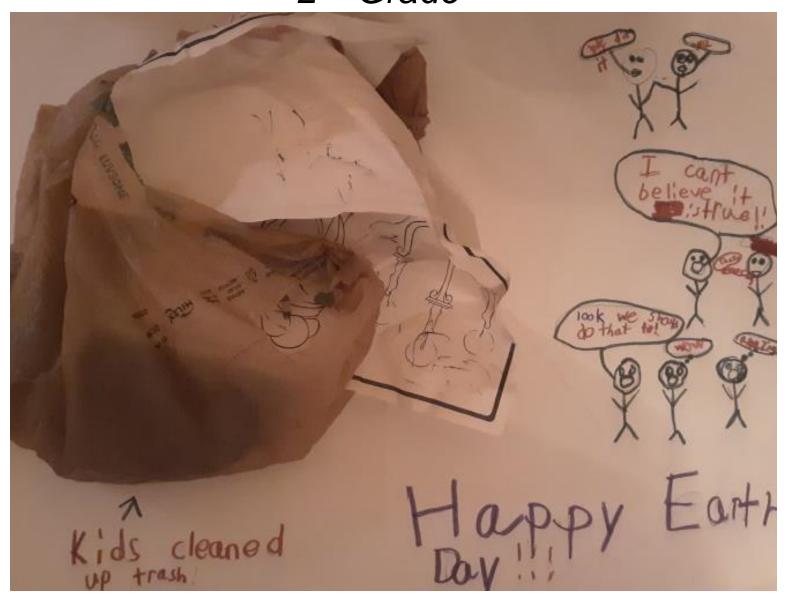
Skye Payaggapandha 1st Grade





Sloane Shabman 2nd Grade



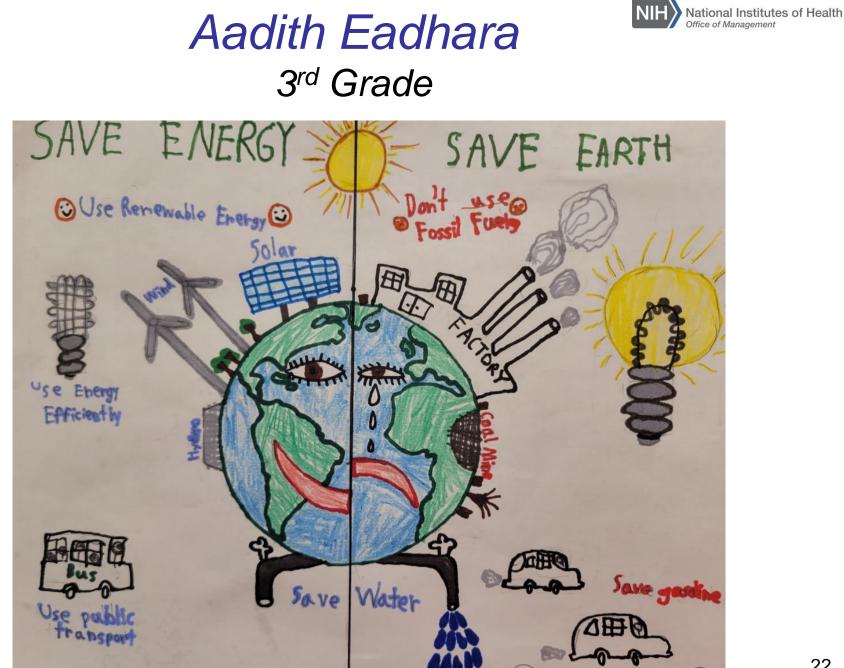














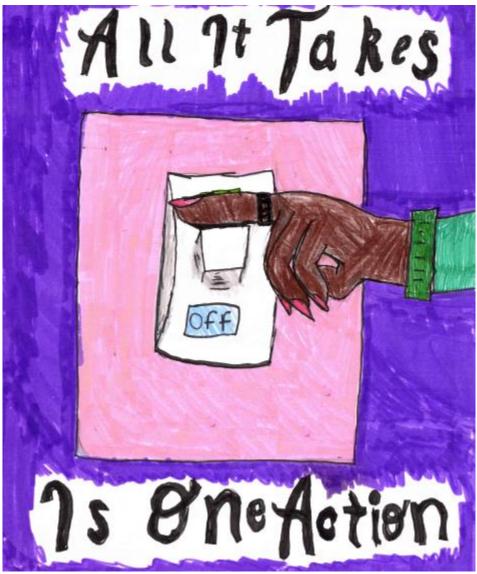
Angela Li 3rd Grade

















Elise Berndt 4th Grade





Eric Ma 3rd Grade





Energy makes objects move, and there are different types of energy, like solar energy, wind energy, heat energy, light energy, and even more. There are also renewable and newable energy. Renewable energy can use many times, but newable energy can't. To save energy you should use more renewable energy, so you can use it many times. You can also help save energy by picking up trash and litters.

The Earth is the planet we live on. You can Saving Earth saves humans. Trees on our help the Earth by composting food and recycling everything you can. You can also conserve water by using less water when taking a bath. Another way to help the earth is to ride bikes instead of driving, because driving can cause pollution. You can also plant trees, because tree are pollution fighters trees can take pollution from air and water.

planet help us breathe. Trees can also clean pollution from air and water. The sunlight helps us stay warm, and it helps plants grow too. We can't live without water. We drink water to stay hydrated. Some water isn't for drinking. It may be for sea creatures.

















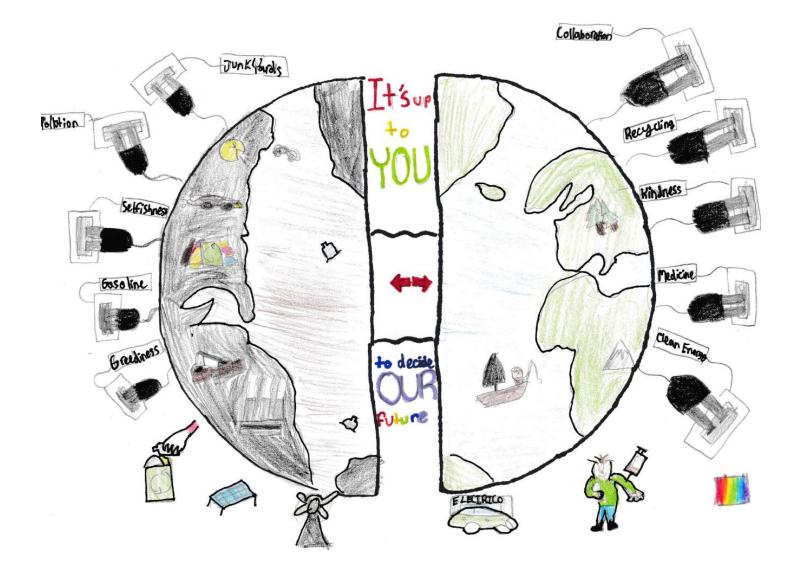
Lakshmi Nikhila Boreddy 3rd Grade







Mircea Gotea 4th Grade







Moses Paul Kama 4th Grade





Shuvayan Jana 5th Grade





Simon Machiela 3rd Grade

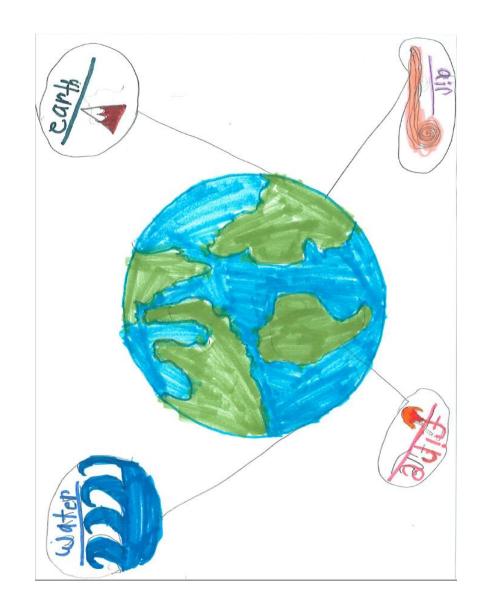






Simrin Sawnani 3rd Grade









Sloane Stein 5th Grade



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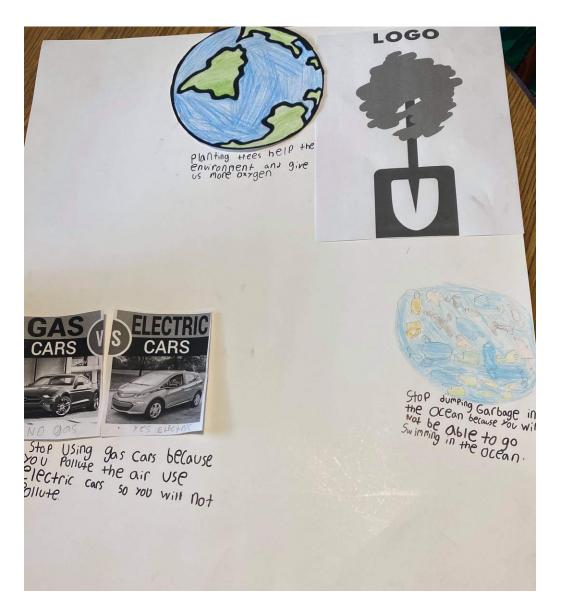
William McDermott IV 3rd Grade







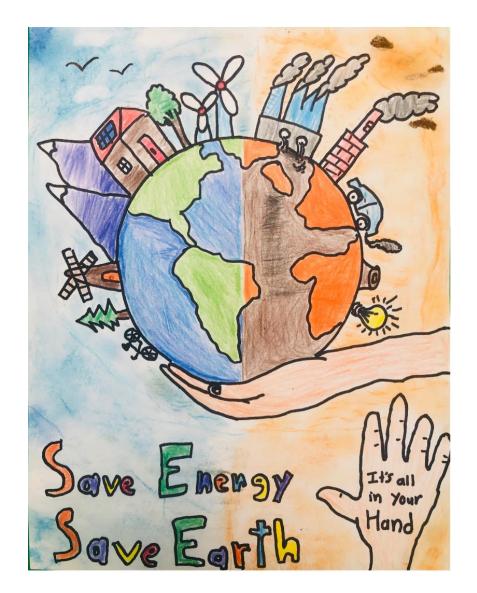
William Patterson IV 5th Grade





Yug Mehta 3rd Grade

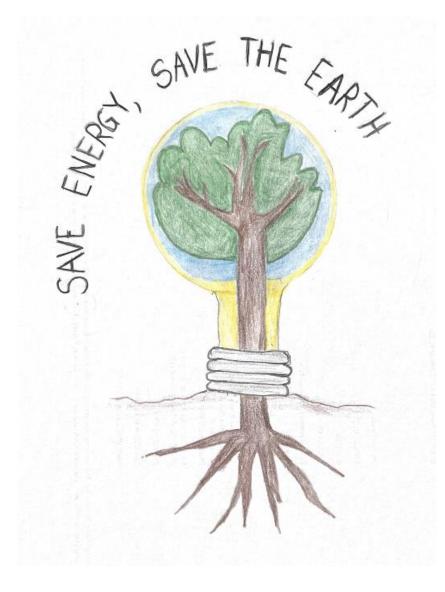








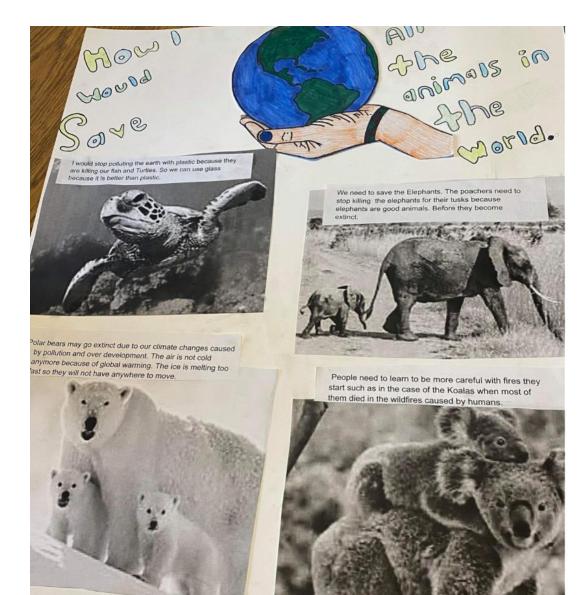






Aubrie Patterson 6th Grade





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Eden Templeton 8th Grade

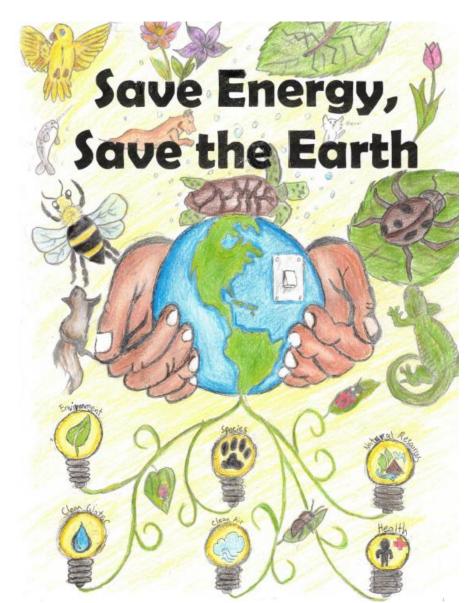














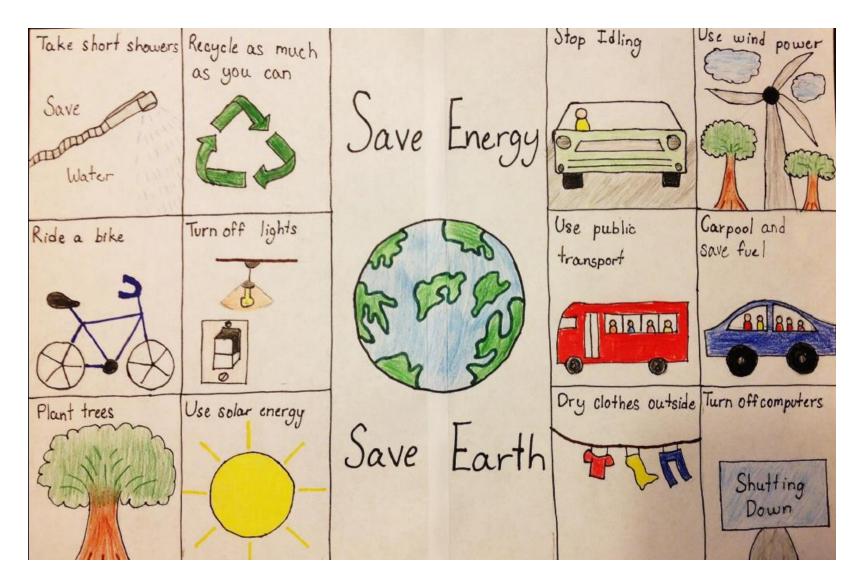






Meera Anil 6th Grade







Riley Jackson 6th Grade







Samriti Venkat 6th Grade





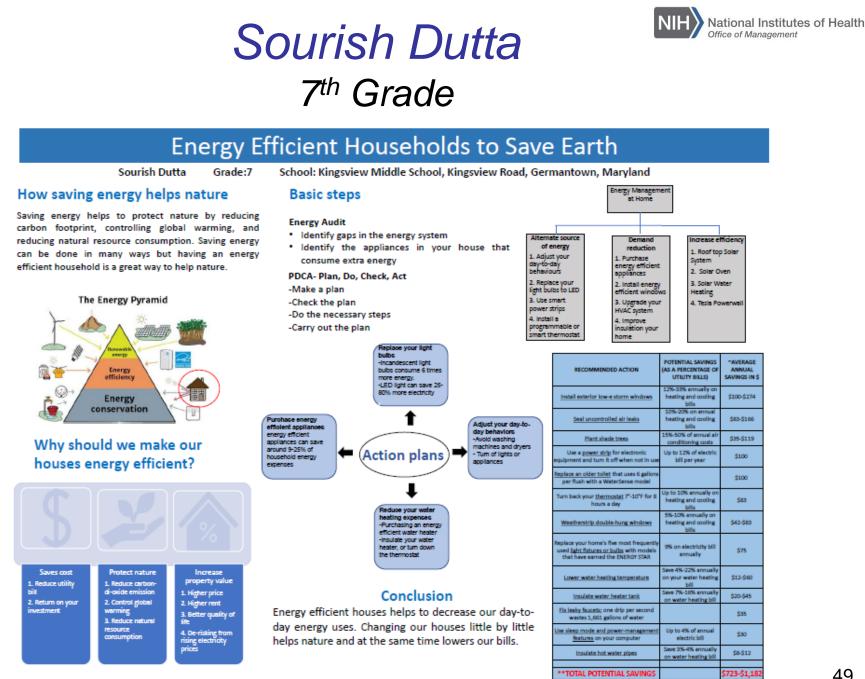
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Sarah Parker 7th Grade













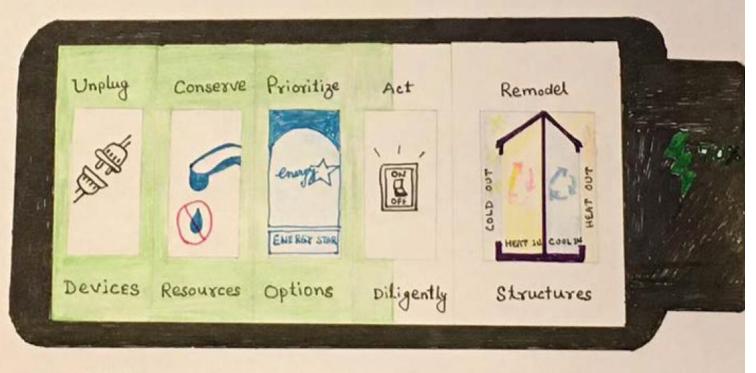






Arushi Singh 12th Grade

SAVE ENERGY, SAVE THE EARTH



FOR A BRIGHTER TOMORROW



Emily Mu 9th Grade







Jacob Bruckheim 12th Grade

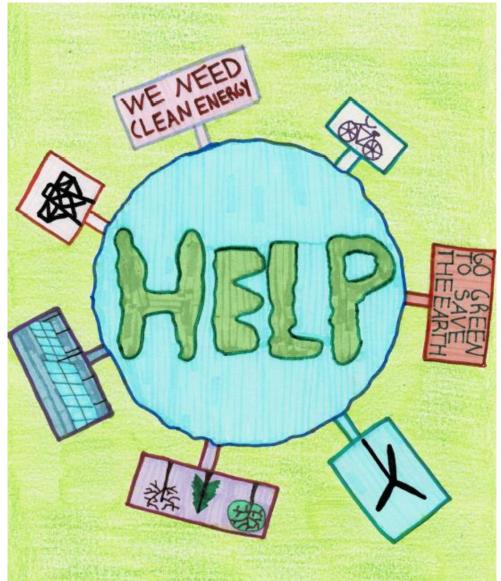




















Mimi Bafor 11th Grade





Shreya Sathish 11th Grade



