



# **RECYCLARNAGE: THE SOLAR POWERED RECYCLABLE TRASH BIN**

**SENIOR BIOLOGY CLUB**

**A DIFFERENT WORLD ACADEMY**



# ADWA HIGH SCHOOL BIOLOGY CLUB

## GOAL #1

TO COORDINATE A FOCUS GROUP FOR A SOLAR POWER AND RECYCLING ENERGY FOCUS GROUP AT OUR SCHOOL AIMED AT REDUCING WASTE, RAISING AWARENESS, AND APPLY RESOURCES.

## ACTIVITIES & TASKS

1. OUR HEADMASTER GAVE PERMISSION TO COORDINATE AND PREPARE THE ACTIVITY.
2. ALL BIOLOGY CLUB STUDENTS PARTICIPATED IN THE FOCUS GROUPS ON SOLAR POWER & LITTERING MODULES, SPECIFICALLY RECYCLING.
3. ALL BIOLOGY SCIENCE CLUB STUDENTS COMPLETED THE NEED'S ENERGYWORKS AND SCIENCE OF ENERGY EXPERIMENTS.
4. OUR PRINCIPAL SPONSORED A PIZZA PARTY FOR SCIENCE CLUB STUDENTS' PARTICIPATION AND OTHERS THAT DISPLAYED AN INTEREST IN THE PROJECT.
5. THE STUDENTS CREATED A POSTER BOARD FOR THE CONCEPT OF THE ENERGY PROJECT.

## ENERGY CONTENT & RESOURCES

1. NEED'S SCIENCE OF ENERGY & ENERGY INFOBOOKS
2. WORLD BOOK ENCYCLOPEDIA FOR INFORMATION RELATED TO RENEWABLE ENERGY
3. ENERGY WEBSITES LINKED TO [WWW.NEED.ORG](http://WWW.NEED.ORG)
4. ENTERGY LOUISIANA WEBSITE RELATED TO RENEWABLE ENERGY [HTTPS://WWW.ENERGY.COM/RENEWABLE-ENERGY/](https://WWW.ENERGY.COM/RENEWABLE-ENERGY/)
5. KEEP LOUISIANA BEAUTIFUL WEBSITE RELATED TO RECYCLING & TRASH [HTTPS://KEEPLOUISIANABEAUTIFUL.ORG/TOOLS-RESOURCES/LITTER/](https://KEEPLOUISIANABEAUTIFUL.ORG/TOOLS-RESOURCES/LITTER/)

## STUDENT LEADERSHIP

1. 3 STUDENT LEADERS WERE ASSIGNED.
2. 1 PERSON LED THE DRAWINGS.
3. 1 PERSON COORDINATED THE COLORS OF PAINT.
4. 1 STUDENT COORDINATED THE PARTY.
5. 2 STUDENTS HUNG THE POSTERBOARDS WITH HELPERS.
6. 1 STUDENT COORDINATED THE E-CARDS.
7. ALL STUDENTS LED CATEGORIES FOR THE FOCUS GROUP.

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## EVALUATION

1. STUDENTS EVALUATED THE PROJECTS USING THE EVALUATION FORMS IN THE NEED PROJECT WORKBOOKS AND INTERVIEWING OTHER ADULTS.
2. STUDENTS WERE EAGER TO COMPLETE ANOTHER PROJECT NEXT YEAR WITH MORE PARTICIPATION FROM OTHER STUDENTS OUTSIDE OF THE SCIENCE CLUB.
3. STUDENTS WERE ABLE TO INCREASE THEIR KNOWLEDGE OF BOTH RECYCLING AND RENEWABLE ENERGY UPON COMPLETION OF THE PROJECT.

YOUTUBE LINK OF THE VIDEO TESTING THE FINAL PROJECT:

- [HTTPS://WWW.YOUTUBE.COM/SHORTS/RTOM3YG62NE](https://www.youtube.com/shorts/RTOM3YG62NE)



# MEET RECYCLARNAGE

- **A CONSPICUOUS SOLAR POWERED RECYCLABLE TRASH BIN DERIVED TO DRAW ATTENTION TOWARDS IT AND ENCOURAGE OTHERS TO RECYCLE.**
- **THE RECYCLABLE TRASH BIN IS DESIGNED TO LIGHT UP DURING THE NIGHT AND SPARK A CONVERSATION ABOUT RECYCLING.**
- **THIS DESIGN BRINGS PEOPLE TOGETHER DUE TO THE UNIQUE ATTRIBUTES AND FAMILIARITY OF SOCIETY'S KNOWN VILLAIN IMAGERY.**



## **2 FOR 1: RENEWABLE ENERGY & SOLAR POWER**

**While the Trash bin is solar powered and stays on during nighttime, the recyclables will be regenerated by reusing old material to construct new material.**



**The planet becomes more environmentally friendly since there is no certain number of times a product can be reused.**

# **PHASE I – ATTACH SOLAR LIGHTS & CHANGE COLOR FORMAT FOR RECYCLING**





# PHASE II

APPLYING THE  
FINISHING TOUCHES!



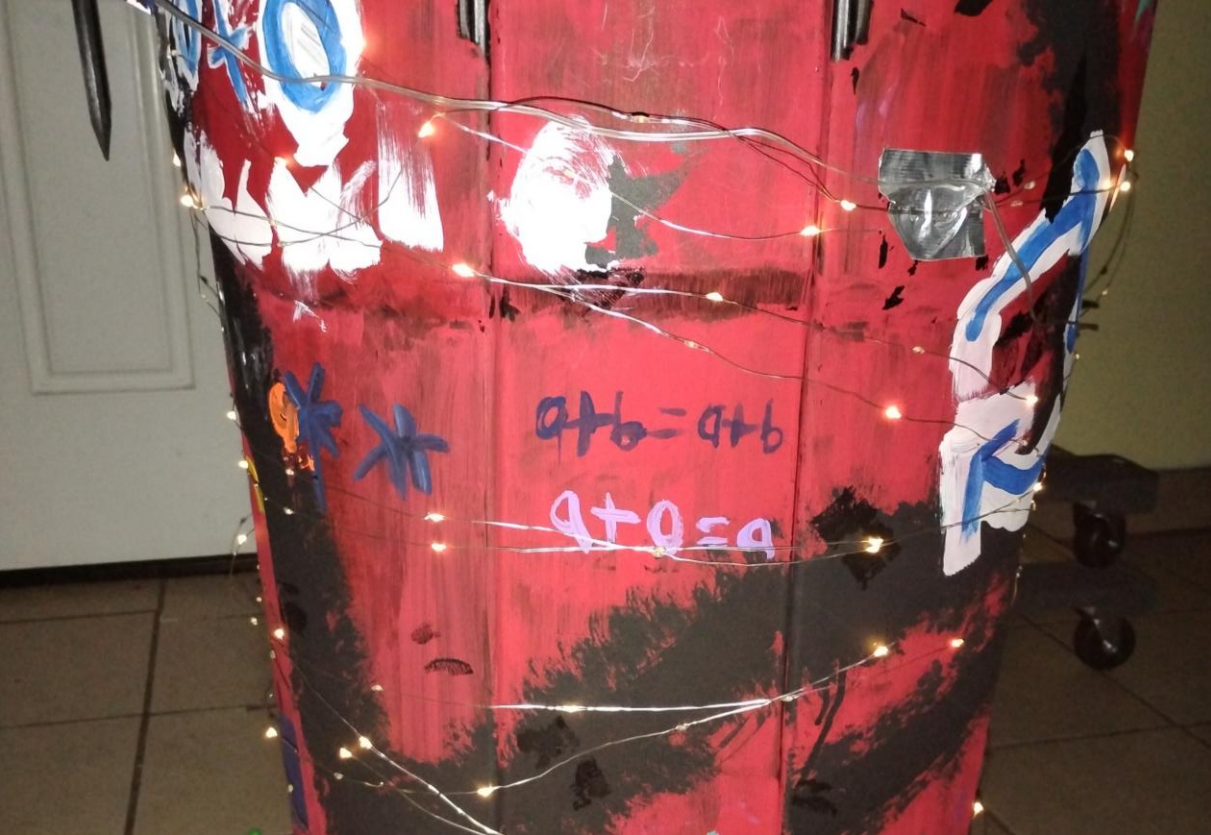




# PLANNING STAGE

**ALL ASPECTS DESIGNED & CONSTRUCTED!**





# PHASE III- EQUATION TIME

**$A+B=A+B$  OR  $A+0=A$**



# PHASE IV – LIGHTS ON!

- **CHECK OUT COMPLETE WORKING FOOTAGE BY CLICKING THE LINK BELOW!**
- **[HTTPS://YOUTUBE.COM/SHORTS/RTOM3YG62NE?FEATURE=SHARE](https://youtube.com/shorts/RTOM3YG62NE?feature=share)**

