



October 30, 2018

To whom it may concern,

It is with great pleasure that I recommend the eStem environmental science and EAST classes to become this year's recipients of the \$1000 grant. These young people are working to improve our school by making sure eStem High School does its part to protect the environment. The money awarded will allow eStem to utilize UA Little Rock's existing recycling program. The EAST and environmental science classes are making plans to offer incentives for class participation. Additionally, the eStem Recycles program will become part of our Environmental Science curriculum during the units on waste and sustainability. The plan is to collect recycled items one day each week, take them to UA Little Rock's existing recycling containers as designated by the university. We will monitor the amount recycled by measuring mass tracking progress.

This is a student-led program with teacher support. Students will develop leadership skills, environmental stewardship principles and become more aware of the importance of reducing, reusing and recycling in order to minimize waste. We are excited about the possibility of beginning this program on our new campus here at UA Little Rock. Our goal is to encourage students and faculty to become environmental stewards of our resources.

The eStem administration supports this cause in hopes that our entire student body will become better global citizens because of its presence.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Howard', is written over the printed name 'Johnecia L. Howard'.

Johnecia L. Howard
eStem High School Director

WE are students. WE are educators. WE are fearless. WE are ESTEM!

eStem High School 2801 S. University Ave. Little Rock, AR. 72204.

2018 Recycle Advantage School Recycling Grant Application

Applicant

School Name: eStem High School

School Address: 2801 S. University Ave, Little Rock, AR 72204

School District: eStem Public Charter Schools

Number of Students enrolled in school: 507

Contact

Superintendent: John Bacon

School Board President: Jess Askew

Director's Name: Johnecia Howard

Contact Person: Chad Nall

Daytime Phone: (501)478-2800 (best time to call is 3:30-4:15 pm)

eMail Address: chad.nall@estemschools.org

Program Description

Background

eStem High School (grades 10-12) is seeking the Recycle Advantage School Recycling Grant to restart the eStem Recycles program. Unable to continue the program due to our relocation to our new high school facility on the campus of UA Little Rock we are now in a position to resume the program. This program was a tremendous success January-May 2017 with over 2000 lb of materials recycled. This effort was led by students from the Environmental Science Club as well as Environmental Science classes. Every class participated in recycling materials.

We propose to use this grant money to secure recycling through UA Little Rock, professional educational poster materials, and fund the incentives program designed by students to kick off our school-wide eStem Recycles program.

Timeline (November 2018-May 2019)

November	Produce educational materials and games, bin site mapping, and incentive program
December	Place bins in designated locations with educational poster above each bin, finalize eStem Recycles campaign, perform initial recycling observation and collection
January	Launch full eStem Recycles campaign and initiative program
January-May	Monthly educational games on school-wide video announcements Monthly restroom stall educational flyers posted Monthly incentive winners celebrated

Logistics

The eStem Recycles program is designed by the EAST program in collaboration with Environmental Science class. It will be facilitated by volunteers from EAST and environmental science classes. The logistics committee of EAST will be responsible for training all volunteers. The committee will create a weekly rotation crew that will collect recycling bins from every classroom and common areas under the supervision of the Environmental Science teacher, Mr. Nall. Before taking the recyclables down to the recycling dumpster, the recycling of each location will be massed and evaluated with an observation sheet to keep a running total of material recycled in every location weekly. These observation sheets will serve as our evaluation of the program and how to improve location of bins and education materials of what may be recycled and what is prohibited.



Allowable items in recycling bins: Plastic bottles, plastic containers, paper containers,
aluminum foil, all paper, cardboard

Items not allowed in bins: Food, liquid, any item with food residue, glass, styrofoam

Any non-recyclables in bins will be discarded, not included in the mass, and recorded as error in the weekly observations sheet. The eStem Recycles logo will be on the container to promote the program.

Education/Expansion

This grant opportunity aligns well with our curriculum and creates an opportunity for student citizen science and responsibility within our school. The eStem Recycles program will be an important aspect of Environmental Science curriculum as this program is established. The students will play monthly educational recycling games during homeroom on our video announcements that are aired school-wide and create stall flyers for ongoing recycling education. This consistent and ongoing education will allow any errors in what is put in the bins to be addressed and will lead to students sharing this new knowledge with their families, increasing not only eStem recycling but residential recycling.

The students directly involved with logistics of the program and recycling collection will learn a great deal each week as they evaluate the program using the observation sheets and collecting their data. Once logistics, educational materials, and the incentive program are implemented this academic year, we are confident recycling will be embraced in our eStem High School culture for years to come.

Additional Documentation

Letter of Support from school attached