



Innovation Project Application

Library: Warrington Middle School (Pensacola, FL; Escambia County)

Project Manager: Sara Ratliff

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Name of Project: Upcyclothon 2018

Project Amount requested: \$915.68

Scope of the Project:

With the Make Do cardboard screws (screws) and toolkits, students will be able to transform what they deem to be trash (cardboard) by upcycling it into elaborative cardboard creations. Students can use the tools to join cardboard pieces together to build whatever they like. Different Make Do opportunities will be offered over the course of four months to garner interest and spark inquiry into upcycling. There will be a multi-grade challenge with instructions to create giant windballs; makerspace time to build individual cardboard projects, an Upcyclothon challenge open to student teams, and a project showcase with student-created awards. This project will incorporate the 5 C's: creativity, collaboration, communication, critical thinking, and cardboard. Upcyclothon 2018 will challenge students to think outside but also *with* the (cardboard) box!

What need in the library/community will this project address?

Sustainability and creativity are essential project components when working with underserved students. The students at Warrington Middle School are from low socioeconomic backgrounds. They struggle with being risk-takers and being *outwardly* creative. Whether its lack of family support, high stakes to perform on standardized tests, or peer pressure to not be different, many of Warrington's students are not able to let their creative talents flourish. This project will offer a variety of activities that will support personalized learning by giving students choice and voice. Scaffolding will be provided to encourage students to be riskier with their creative pursuits within the cardboard challenges. The showcase will be an opportunity for students to take ownership of their work and receive valuable feedback from various stakeholders: students, teachers, and administrators. Additionally, using cardboard as the fundamental resource for Upcyclothon will reinforce the notion that creativity does not have to be restrained by financial limitations.

Resources required:

- 1 Make Do Event Pack (1440 reusable tools for up to 192 student makers)- \$440.00 from www.make.do
- 24 cans of spray paint to personalize cardboard projects- \$199.58 from Amazon
- 30 single-use masks for student protection during the spray painting process- \$16.41 from Amazon
- 3 boxes of latex-free gloves (student use/spray painting)- \$28.50 from Amazon
- 100 disposable aprons (student use/spray painting)- \$10.26 from Amazon
- 2 packs of 12" x 12" cardboard sheets for initial cardboard project (giant windballs)- \$32.98 from Amazon
- 2 packs of 20" x 30" cardboard sheets for student projects- \$82.77 from Amazon
- 2 packs of 48" x 36" cardboard sheets for student projects- \$65.40 from Amazon
- 12 rolls of Duct tape to further secure cardboard projects- \$19.00 from Amazon
- 2 copies of the graphic novel *Cardboard* to inspire students and to tie in literacy to the project- \$20.78 from Amazon

Activities/Timeline (include estimated completion date):

December:

- Purchase supplies and begin collecting cardboard from community partners and the school.

January:

- Introduce and advertise the Make Do kits in the libraries by challenging grades 6-8 to make windballs. [Windball Directions](#)
- Students will test their windballs outside.

February:

- Create a makerspace area with Make Do kits and collected cardboard for students to create and learn how to use the Make Do tools.
- Add *Cardboard* graphic novels into circulation for students to read and get project ideas from.
- Display student cardboard projects in the library to create awareness about upcycling.

March:

- Promote Upcyclothron 2018 and challenge students to participate in the month-long event.
- Students may enter as groups and must submit their project ideas and sketches to the library Google Classroom before given the tools and supplies. (Students will be allowed to modify their projects as they continue to work on their projects, but they must have a general idea of their finished project before they begin.)
- Students will meet during research time throughout the month to work on their cardboard creations together. Librarian will be available for assistance.

April:

- Students will finish their cardboard projects and begin spray painting and/or decorating them.
- Projects will be on display in the library and a team of administrators, teachers, and students will view all student projects. Students will be on hand to discuss the planning and creations of their cardboard projects during the project showcase.
- Prior to the Upcyclothon showcase, participants will plan and vote on projects awards that the team will award to the winning projects.

How will the library sustain this project?

Upcyclothon 2018 will be the first annual cardboard event in the library. Students' completed projects will be kept on display for a couple of months, but then the projects will be taken down. The screws from the Make Do kits will be reused for each project. Any cardboard that can be salvaged from previous projects will be used in future Upcyclothons. Since the majority of the cardboard needed for student projects can be collected for free from community partners, it will be easy and inexpensive to sustain this annual project.

Library Director's signature: *Dana Kendrick* Date: 10/31/17

Demetrius Thomas Date: 10/31/17
Signature of agent, office, or board to whom the Director reports

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Approved _____ Not Approved _____

PLAN Executive Director _____