



Innovation Project Application

Library: Northwest Regional Library System: Gulf County Branches

Project Manager: Nancy Brockman

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Name of Project: Makers of all Ages

Project Amount requested: \$3500

Scope of the Project: People learn by doing. Having resources available at the library that patrons may not otherwise have access to is one of the many services we provide. The intention of this grant project is to provide a variety of materials that will allow for exploration in a variety of STEAM areas as well as to augment things already on hand. Most of all, we want to encourage "Makers". The materials will be introduced in programs and then made available for further independent exploration and use. The wealth of materials will allow us to rotate available items throughout the year and between the two Gulf County libraries, keeping our Creativity Corner and our libraries a source for exciting discovery.

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

Two years ago, NWRLS received an Innovation Grant from PLAN for the project: Mobile Makerspace. This allowed for the creation of six boxes of STEAM products that were rotated between branches in Bay, Gulf and Liberty counties. Since then, Heather Oglivie, the recipient of the grant, has taken on a new role with NWRLS as our Outreach Librarian. She opted to use the materials in the mobile boxes as resources for the various groups that she meets with for this role. Sadly, this leaves our STEAM cart and shelves looking a bit sad and empty. Children come in to work at our Creativity Corner on a regular basis and having materials that we can rotate will help to keep them engaged and exploring. Some of the materials on our list will be for free form experimentation and others will supplement our story and science sessions. We have partnered with the local Junior Service League to be able to offer a series of preschool and early elementary age science classes. The classes highlight some of our non-fiction books and resources and having materials that allow for hands-on exploration will further enrich the experience.

Items included in this request are based on lessons learned from the Mobile Makerspace boxes. After having observed which materials were most utilized by our young patrons, we have geared our current

list accordingly. Items will appeal to a wide range of ages. Materials will be shared between the two Gulf County branches, allowing access to patrons throughout the county.

In addition, we would like to add a couple of products to enrich what we can offer our older patrons. Our Friends organization graciously purchased a large screen Smart TV for slide presentations and movie use. After the purchase, we learned that the TV is too smart for our older laptops. So, included in this request is a laptop that will be compatible with the TV, allowing us and presenters to easily set up for programs. It will also allow us to show films and run slides of our historical photos, thus serving in a variety of capacities. We have plans to create a slide show from these historical photos that highlight sports in our area for our upcoming exhibition of the Museum on Main Street *Hometown Teams on the Gulf*. Gulf County has been awarded this Florida Humanities Grant and is slated to host the Smithsonian exhibit in November of 2018. Having a compatible computer will allow us to take advantage of the high resolution offered with the TV's screen. The televisions' capacity to bring up websites helps when teaching and the addition of a compatible computer will make this process easier. The second product for adults is one of the newest Cricut die-cut machines. This will be installed next to one of our public computers allowing patrons and staff to utilize it to create materials for signs, artistically cut a variety of materials and create! This machine will also be beneficial to students working on display boards for school projects, allowing them to create professional looking backboards with ease. Having a machine like this available at the library brings current technology into the hands of the community. Once set up, we will hold workshops to introduce the machine to patrons. Additionally, we will develop a notebook of instructions to guide users through the process. Patrons will supply the materials they want to cut, keeping this technology both affordable and sustainable.

Resources required:

Adults:

Laptop for TV: \$1000

Cricut die-cut machine and peripherals: \$500

Children: \$1999.96

(Itemized listing of materials attached)

Activities/Timeline (include estimated completion date):

If awarded, the materials would be purchased and put into use immediately. The STEAM materials will be rotated quarterly and between branches, keeping interest alive. The laptop will be utilized in a variety of programs on a regular basis. We find that the large size and high resolution of the Smart TV screen offers our patrons excellent viewing experiences and the TV is more portable and less intrusive than a traditional projector.

How will the library sustain this project?

If service on one of the devices is necessary, we will turn to either the IT department or one of our volunteers that has a mechanical background. The STEAM materials are reusable. If a need for additional or replacement parts develops, we would look to our Friends or other donors for help.

Library Director's signature: Robin Gladen Date: 10/30/17

Amy R. Cooper Date: 10/30/17
Signature of agent, office, or board to whom the Director reports

For PLAN use only:

Approved _____ Not Approved _____

PLAN Executive Director _____

STEAM Materials for Gulf County Children

Jumbo Magnetic Builders

Item Name	Item Number	Unit Price	Quantity	Total Price
Jumbo Magnetic Builders	NAN-6	59.99	2	\$119.98
Super-size Wood-Look Foam Blocks	XX-14619	39.99	1	\$39.99
Ultra Bright LED Light Panel	XX-14600	119.99	1	119.99
Magna Tiles 100 piece set	XX-14601	99.99	1	99.99
Transparent Stringing beads	XX-14602	22.49	1	22.49
Light table pattern tiles	EDX-147	19.99	1	19.99
Wood Balancing Blocks	xx-14514	19.99	1	19.99
Wooden Nut & Bolt Builder	XX-14606	19.99	1	19.99
Two-way Microscopes	CPX-1001	21.99	2	43.98
Encased insects	XX-14619	39.99	1	39.99
Stand-up Magnetic Design Board		89.99	1	89.99
Create-a-path Magnetic center		39.99	1	39.99
Turn & Learn Magnetic Gears		23.99	1	23.99
Engineer-a-coaster activity kit		39.99	1	39.99
Under the Sea Counters		19.43	1	19.43
Jumbo Tweezers (set of 12)		10.39	1	10.39
Jumbo Eyedroppers (set of 6)		14.71	1	14.71
Jumbo Magnifiers (set of 6)		25.70	1	25.70
Creative Color Cubes		25.75	1	25.75
Keva Maple Plank Set		127.39	1	127.39
Jumbo Paper Punches (set of 4)	XX-14514	25.17	1	25.17
Blunt tipped Fiskars Scissors (set of 12)	XX-14634	29.99	1	29.99
Legos- 1500 pieces		94.99	1	94.99
Lego Building Base		39.99	1	39.99
Lego Mini-figures		11.99	1	11.99
Lego Wheel, Tire and Axle Set		16.98	1	16.98
SmartMax Start		79.99	1	79.99
Weaving Loom		25.30	1	25.30
Yarn- Asst. Colors		9.99	1	9.99
Electricity & Magnetism Kit		43.33	1	43.33
Snap Circuits		58.94	1	58.94
Snap Circuits Alternative Energy		52.99	1	52.99
Snapino (Arduino Compatible)		40.38	1	40.38
Sphero R2-D2		179.99	1	179.99
Sphero BB-8		149.99	1	149.99
Code & Go Robot Mouse		38.50	1	38.50
Smartphone Science		18.76	1	18.76
Wooden Marble Run		89.95	1	89.95
Drawing pads (3)		14.99	1	14.99
Art Creativity Set		13.99	1	13.99
		Total		1999.96