



Innovation Grant Application

Library: Panama City Beach Library

Project Manager: Lisa Ferrara

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Name of Project: Creation Station

Grant Amount requested: \$3502.34

Scope of the Project: The Panama City Beach Library would like to request equipment that will enable us to run a series of 3D printing programs and/or outreach events for our library patrons and the general public, teaching them how to use principles of design and modern technology to bring their ideas to life.

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

The library has always been a forerunner in making new technology accessible to those who may not be able to afford it on their own. 3D Printing is an emerging technology that is not yet available to most of the general public. For this reason, many people are unaware of what can be accomplished using 3D printing technology. It is our goal to make this technology accessible to people in our community who might not have any other way to learn about 3D printing.

The Panama City Beach Library would like to use grant funds to create a "mobile" creation station, consisting of two 3D printers and a 3D scanner. Using this station, we would have classes and programs for individuals with varying levels of experience. We will teach patrons of all ages about 3D printing technology, allowing them to get hands on experience with designing and printing their own 3D objects. The process will be a global learning experience, requiring the use of creative skills as well as science, math, and technology skills.

Resources required:

2 3D printers (PrintrBot Simple) - \$1998

1 3D scanner (Matter and Form) - \$544.95

10 Rolls of Filament - \$150.39

Simplify 3D Software - \$149

2 Laptops (Dell - Inspiron 15.6" Laptop) - \$660

Activities/Timeline (include estimated completion date):

Upon purchase and arrival of the equipment, the project manager will set up and calibrate the material as necessary. This is expected to occur within the first month of funds being available. Immediately after the equipment is operational, the first round of beginner classes will be added to the events calendar. Concurrently, additional staff members will be trained on how to use the equipment, to help facilitate the printing of objects that are designed during the classes.

How will the library sustain this project?

The library will continue to use 3D printers as part of our programming and outreach efforts. As time progresses, we will explore the possibility of making the printers available to the public for personal printing (i.e. they can drop off their print file and pick their object up after it has been printed). Additional filament, equipment, or software that may be required in the future will be purchased using supply funds.

Library Director's signature: Robin Sladen Date: 10/21/16

Amy R. Cooper Date: 10/25/16
Signature of agent, office, or board to whom the Director reports

For PLAN use only:

Approved _____ Not Approved _____

PLAN Executive Director _____