

3D Printer LSTA Grant- Fact Sheet 15-LSTA-3DPrinter

Overall Purpose: The State Library of Kansas, in order to increase Kansas residents' access to new technologies, will provide funding for the purchase of seven 3D printers. Each 3D printer will be located within a Kansas public library or any Kansas library that allows public access to its collection and services. The State Library of Kansas will provide a grant to selected libraries so that each might purchase a 3D printer and receive staff training from ESSDACK.

Grant:

Each KS public library selected to participate in the project will receive a reimbursement subgrant (for \$1,799). This grant which will cover the total purchase cost of a Tinkerine DittoPro 3D printer which is to be ordered through ESSDACK. Purchase price of the printer includes a one year warranty (no charge) on the printer.

Funding:

This project is made possible by the State Library through Library Services and Technology Act (LSTA), a federal grant received from the Institute of Museum and Library Services.

Eligibility:

- Library must be open to the public.
- Only 1 library within each of the seven KS Regional Library Systems will be eligible to participate in this project.

Policies:

- The 3D printer must be open for use by any library patron, regardless of residency, no later than Wednesday, June 1, 2016.
- Libraries may choose to charge patrons for use of the 3D Printer in order to recoup filament expense.
- Additional policies are the responsibility of each library by taking into account best practices.

3D Printers:

- All 3D printers will come with necessary hardware needed for installation and use, including a USB cable and an SD card. Technical requirements for the computers is that they must be Windows XP or iOS 10.6 or above.

Miscellaneous:

If a grant receiving library decides within 30 days following the training that the 3D Printer is not something which can be supported, the 3D Printer is to be returned to the State Library for re-distribution to another Kansas library which is open to the public.

Training:

ESSDACK will provide training at a face-to-face event to be held in Hutchinson, KS. The State Library will provide the funding for the training (\$1,500) but travel costs will be at the expense of the individual library. This training will be open to a maximum of 20 participants which will include one (1) librarian from each library participating in the grant, State Library staff, and one (1) staff member from each Regional Library location. At the close of the training, each participating library will be able to take the printers to their home library. This would reduce shipping costs and would allow each library to have instant access to the 3D printers. The printer can be shipped to each library; shipping costs would be added to those listed below.

Responsibilities of library:

- Expenses:
 - Cost of travel to the one-day training event in Hutchinson, KS.
 - Purchase 6 spools of filament at the cost of \$249 per site from ESSDACK.
 - Subsequent purchases of filament will be the individual libraries responsibility to determine where to purchase, from whom to purchase, compatibility requirements with 3D printer, quantity, etc.

- Software Download
 - In order to use each printer, special software must be installed. Users will need access to computers with Tinkerine Suite installed in order to use the 3D printers. This software is a free download for Windows XP+ or iOS operating systems. There are options available for download and printing using an iPad, along with other web-based and downloadable options. Nearly all on this list are free or have free versions.
 - [MakerBot Desktop](#)
 - [Tinkerine Suite](#)
 - [Thingiverse](#) (Web)
 - [TinkerineU](#) (Web)
 - [MakerBot Printshop](#) (iOS)
 - [123D Design](#) (iOS)
 - [Tinkercad](#) (Web)
 - [3DTin](#) (Web)
 - [SketchUp](#) (Download)
 - [Blender](#) (Download)
 - [Autodesk](#) (Download)
 - [3D Scanning](#) via Xbox Kinect and [Scanect](#)
- IMLS Acknowledgement:
 - The State Library will provide each library a table tent to be displayed near the printer and also a label, to be placed on the printer, which acknowledges the funding which was provided.
- Statistics:
 - Each library will be required to complete monthly statistics which detail the use of and interest in the 3D printer, through the closing date of November 30, 2016. Monthly statistics reports are to be completed using the SurveyMonkey [link](#) on the website. The final months' statistics will be due by **December 15, 2016**. The printer becomes the property and responsibility of each library once the final months' usage statistics have been received by the State Library of Kansas.

Library sites chosen/selected:

CKLS- Ellinwood School/Community Library
 NCKLS-Emporia Public Library
 NEKLS-Nortonville Public Library
 NWKLS-Oberlin City Library
 SCKLS-Wellington Public Library
 SEKLS-Pittsburg Public Library
 SWKLS- Liberal Memorial Library