

Chad Taylor

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IT & Technical Services

Board Report

The Big Annual Weeding of Periodicals was begun. (As of mid-February this project is about a quarter of the way finished.)

There were again some issues with Baker & Taylor not stickering our books correctly. Tech Services is considering doing more of this in-house.

Tech Services is supporting the Programming and Circ process of shifting the YA, Graphic Novels, and Manga Collection closer to the teen room. Tech Services will need to re-sticker the Manga Collection to minimize the space it takes up. This will also allow for moving the Large Print collection closer to the front of the library.

Technology Engagement has made a request from the Friends of the Library for assorted parts for the 3D printers totaling just under \$350 (2 New extruder units, replacement nozzles and tubes, new build plate stickers, levelers, fresh filament). The smaller printer's extruder needed to be completely replaced when we received the machine. The larger printer was workable but so far none of the prints have been consistently 'good' or easy. So far on the large machine we have been able to print two calibration cubes (these have been the most successful so far), an endless box (not entirely workable), a set of 'pai sho' tokens (mixed results). We have made several attempts to print a 'Tardis' but this has failed to print every time – probably because of the filament expiring. 3D printing filament is a plant-based plastic that is very sensitive to humidity and so can go bad if not stored properly. A typical roll of filament costs ~ \$30.

Eventually the 3D printers should be a focus for programming once they are able to print reliably and easily. Beyond programming events we would like to make them available to the public in scheduled blocks. According to other libraries with 3D printers a two-hour printing appointment is a reasonable amount of time for a roughly 2" cube sized print. These printers both have the capacity to print larger items but the amount of time and filament increases radically beyond that size.

The Microsoft Surface computers we received from Boundless Connections had a number of software installations that supported their programming. None of the software licenses they had were transferable but there were a number of free software programs that we can make use of. We will re-download the slicing software for the 3D printers and reinstall several programs related to game design, programming and coding, and graphic design that were installed by Boundless Connections. Currently we are in the process of upgrading their spinning hard-drives with Solid State Drives and placing them under the CASSIE scheduling controller similar to the Tutoring computers.