



# 3D Printing for the home

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Skokie Public Library

Thursday March 30 2017

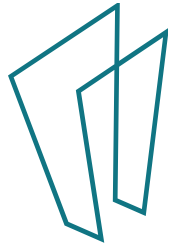
# Where to Learn More

- <http://skokielibrary.info/resources/online-training-tutorials/>
- <https://skokielibrary.info/resources/research/#S>

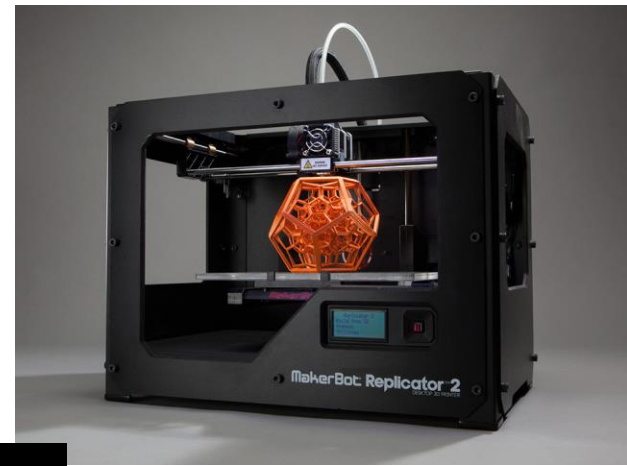


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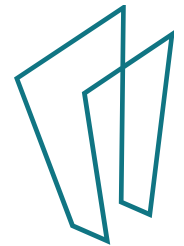
Safari



# 3D Printing Defined

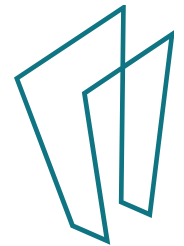
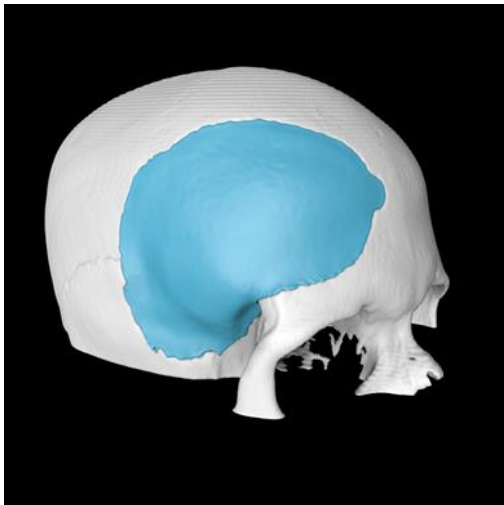


<https://www.youtube.com/watch?v=Vx0Z6LplaMU>

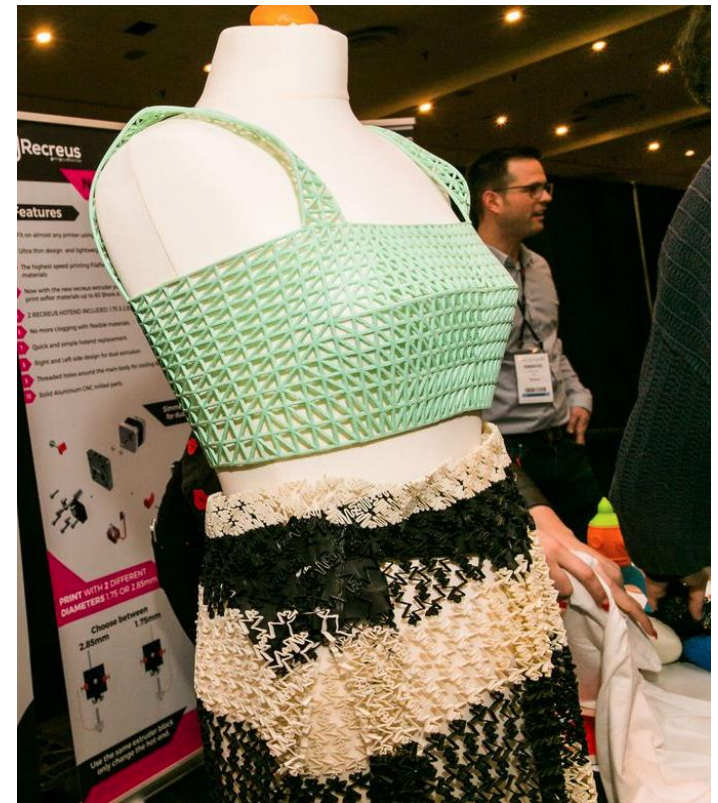
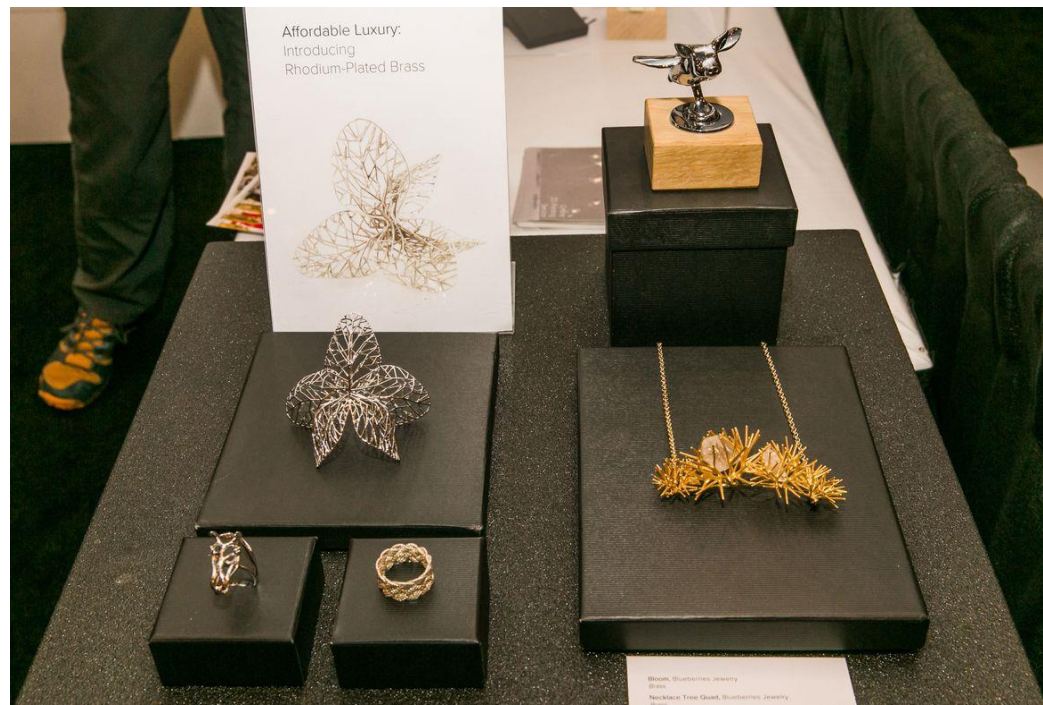


# Application for 3D Printing

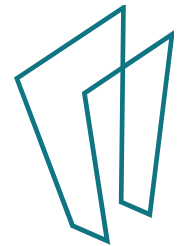
- Prototyping
- Repair
- Medical
- Food



# Art and Fashion



# 3D printing Homes



<https://www.youtube.com/watch?v=GUdnrtnjT5Q>

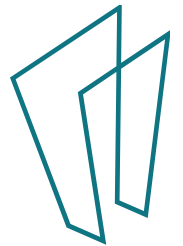
# 3D prints for the home

- Coasters
- Soap Holder
- Kitchen drainer
- Shower Curtain hook
- Bag clips
- Paper towel holder
- Wine charms
- Napkin rings and holders
- Outlet protectors
- Door stop
- Toothpaste tube squeezer



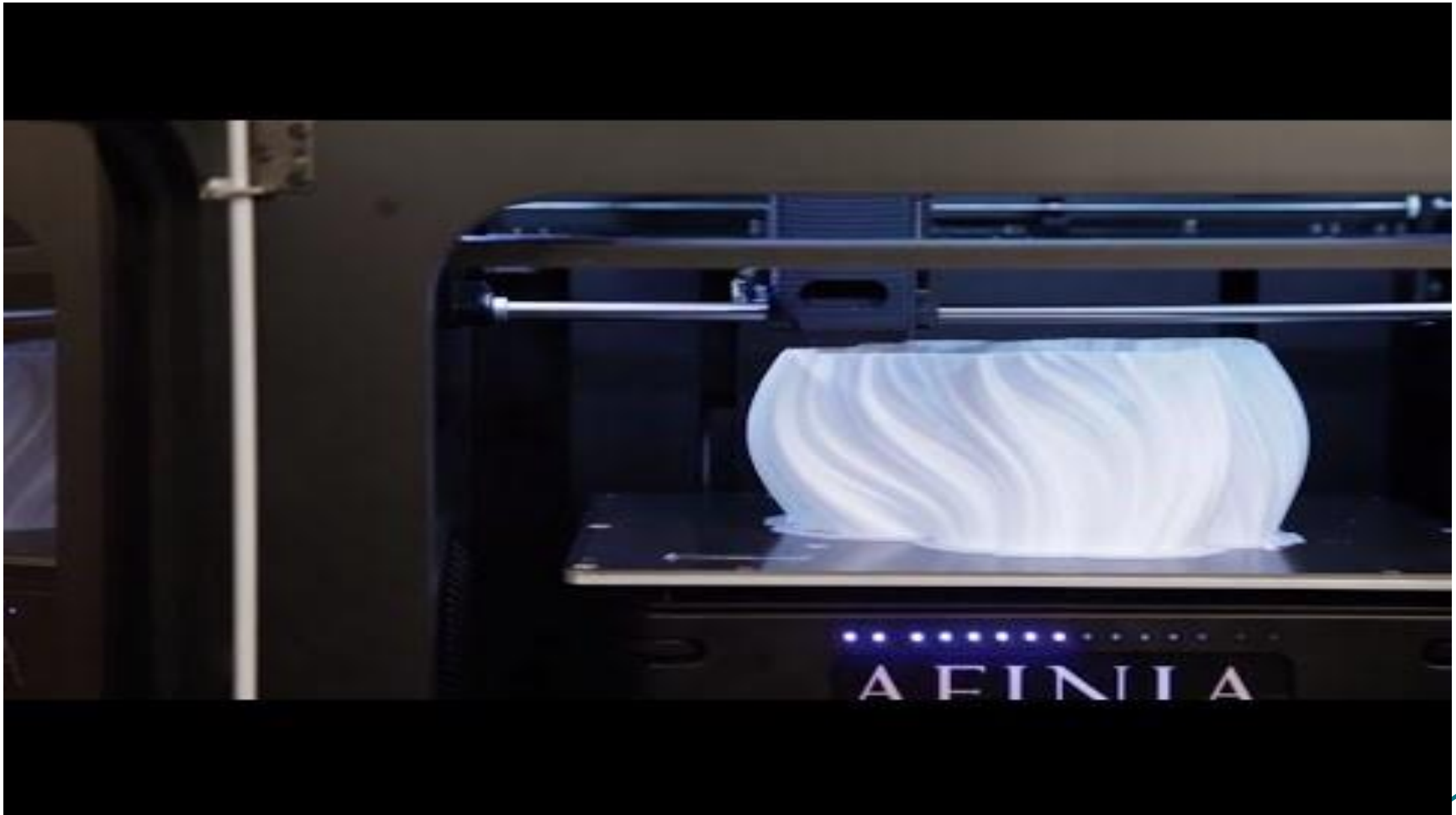
# Library Printers

- Afinia H800
- Enclosed, heated platform, HEPA filter
- PLA filament
- 10x8x8in print area
- .STL –Standard Tessellation Language

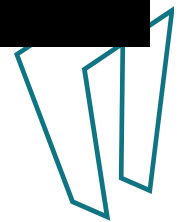




# Our printer in action

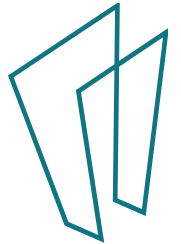


<https://youtu.be/5zZDfauDAyc>

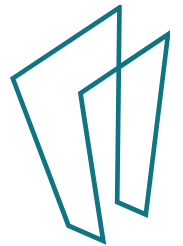


# Where to Request Prints

<http://skoki.library.info/services/computers-technology/3d-printing/>



# 3D Printing Fails



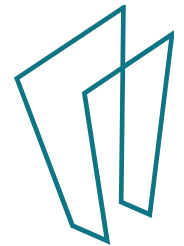
# Free Design Files



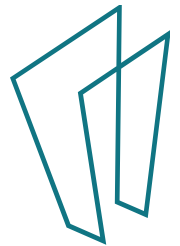
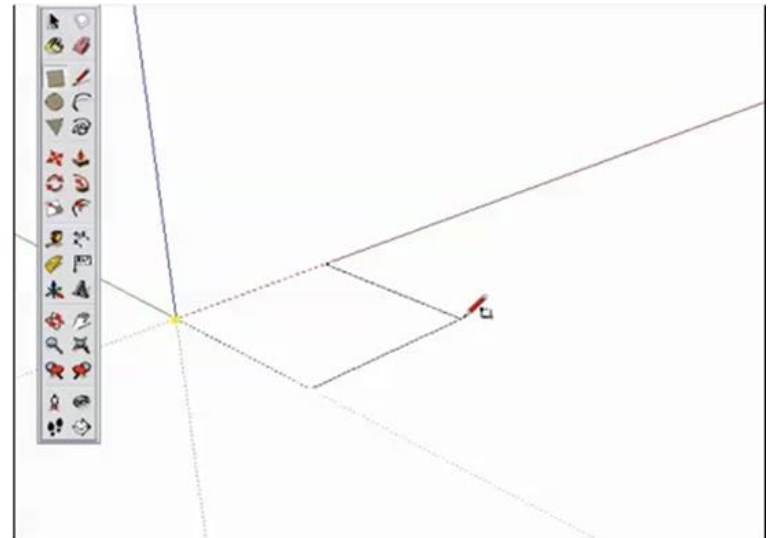
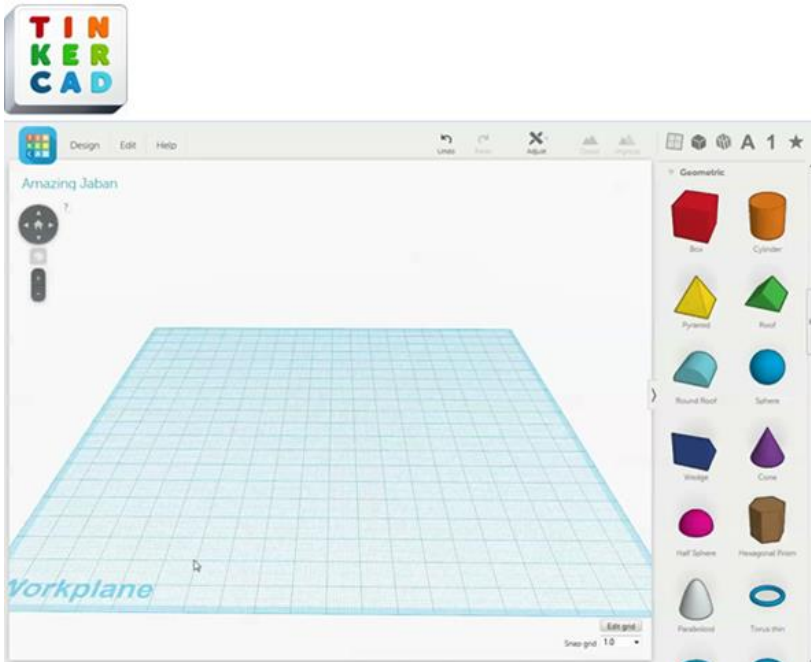
## Thingiverse Featured

TheGoofy's 3D-printed Watch is a Thing of wonder. It's a mechanical watch with a tourbillon, going barrel, Swiss lever escapement, and a 3d-printed spring. It really works, it's really beautiful, and it's time to make one.

[Learn More](#)

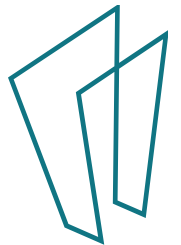


# Free Design Tools

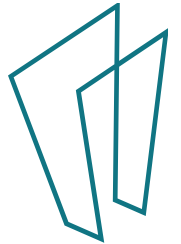


# Tinkercad Learning Objectives

- Using the mouse to move around
- Creating shapes
- Changing shape sizes
- Aligning shapes
- Merging shapes
- Adding text
- Creating holes
- Saving and sending designs



Time to play!



# Thank You

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