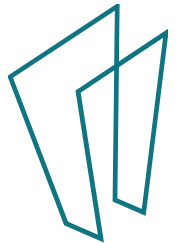




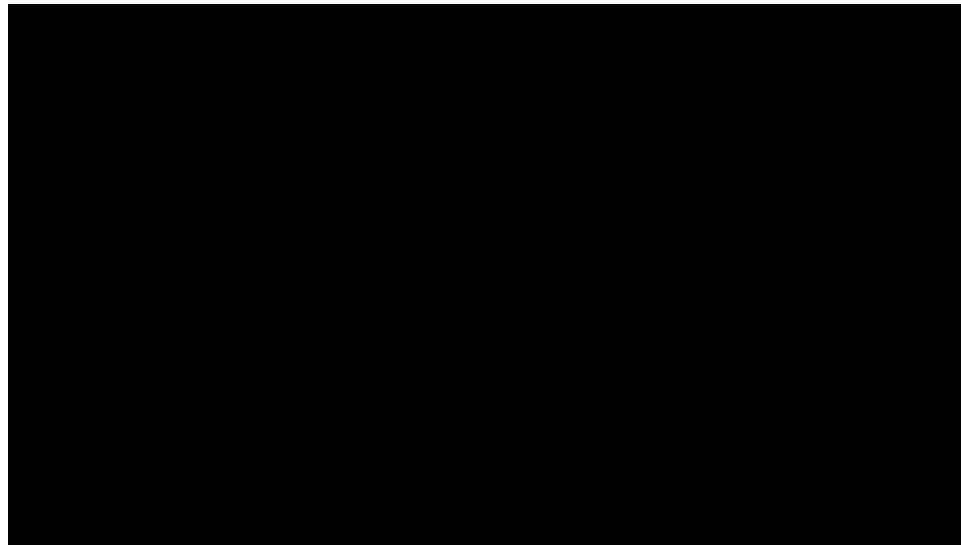
# 3D Printing

# Where to Learn More

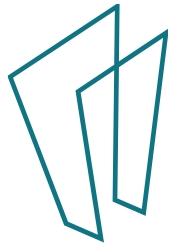
- <http://skokielibrary.info/resources/online-training-tutorials/>



# 3D Printing Defined

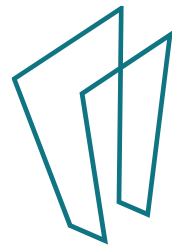
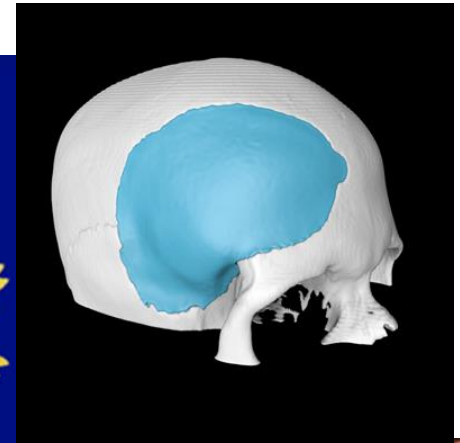
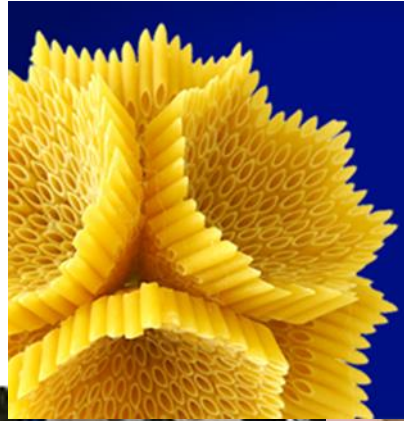


<https://www.youtube.com/watch?v=Vx0Z6LplaMU>



# Application for 3D Printing

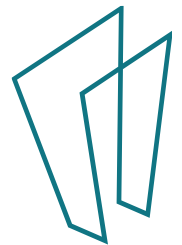
- Prototyping
- Repair
- Art and Fashion
- Medical
- Food



# All Made with a 3D Printer

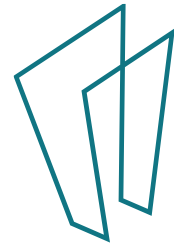


<https://www.youtube.com/watch?v=HCRJlxGfzHI>



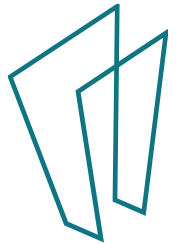
# Library Printers

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

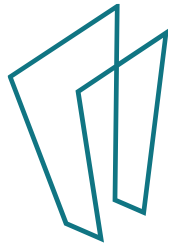


# Where to Request Prints

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



# 3D Printing Fails





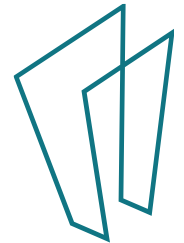
# Free Design Files



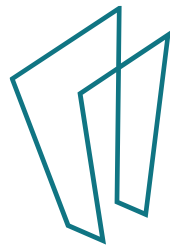
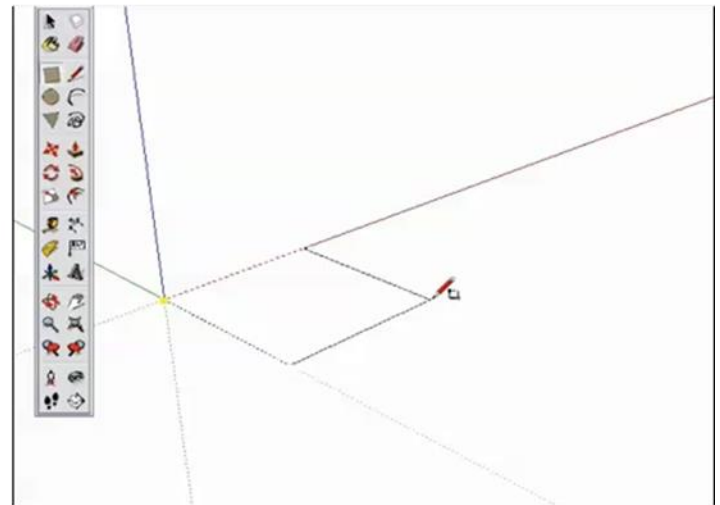
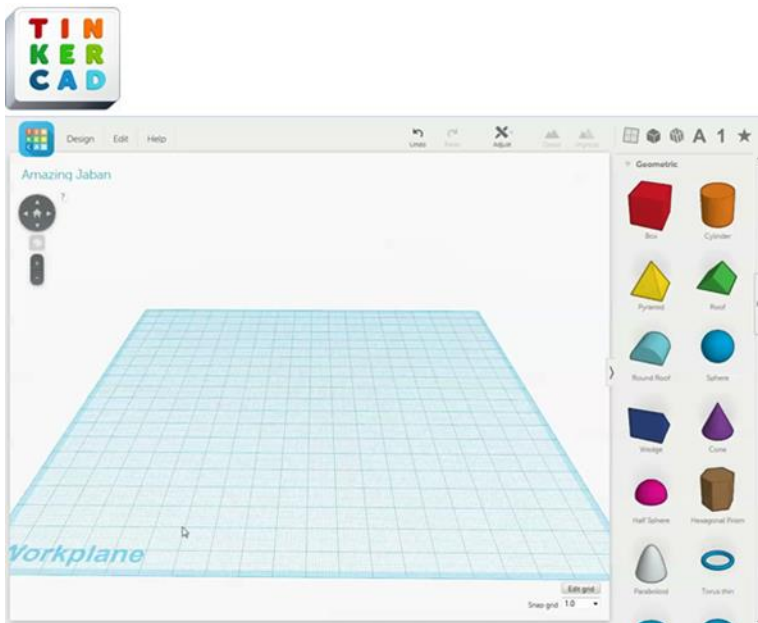
## Thingiverse Featured

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](#)

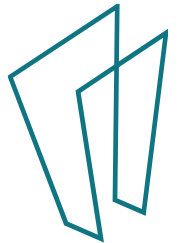


# Free Design Tools

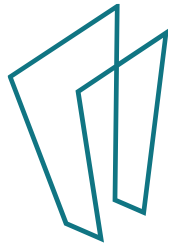


# Tinkercad Learning Objectives

- Using the mouse to move around
- Creating shapes
- Changing shape sizes
- Aligning shapes - manually and using tools
- Merging shapes
- Adding text
- Creating holes



# Tinkercad Overview



# Thank You

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