

Digital Lab Resources Outside of MCAD

Websites for files

digimorph.org - 3D scans of animals and fossils

thingiverse.com - Free files on a wide variety of subjects

sketchfab.com

turbosquid.com

myminifactory.com

cults3d.com

heroforge.com - Allows you to create your D&D character and download the file for 3D Printing

boxdesigner.connectionlab.org - Automatically generates files for laser cutting or CNC machining boxes

There are also some great databases of 3D scans from museums that are documenting their collections:

<https://sketchfab.com/blogs/community/sketchfab-launches-public-domain-dedication-for-3d-cultural-heritage/>

<https://sketchfab.com/artsmia> (These are scans from the museum next door!)

<https://3d.si.edu/> (Smithsonian!)

<https://www.myminifactory.com/scantheworld/full-collection>

Software

Many of these softwares have free licenses for students!

[FormZ](#) - Check the MCAD [Knowledge Base](#) for how to set up your license

[Rhino](#)

[Blender](#)

[Fusion](#)

[Nomad](#)

Service Bureau Style Services

[Ponoko](#) - Online Laser Cutting service with a wide variety of materials

[Coremark](#) - Local Metal Laser Cutting

[A-1 Acrylic](#) - Local Acrylic materials and Acrylic Laser Cutting

[Shapeways](#) - Online 3D Printing service with a wide variety of materials

3D Printers

These are the printers we have in the Digital Lab, but there are so many more out there!

[Ultimaker](#)

[Formlabs](#)

[Anycubic](#)

[Stratasys](#)

[3DSystems](#)

3D Scanners

[Revopoint](#)

[Apps](#) for 3D scanning with your phone

Laser Cutters

[ULS](#) - These are the ones we have in the Digital Lab

[Glowforge](#)

[xTool](#)

CNC Machines

These are the CNC machines we have in the Digital Lab. There are so many more out there, especially at the hobby or artist scale.

[TechnoCNC](#)

[Tormach](#)

[Forest CNC](#)

Maker Spaces with Digital Labs

[Twin Cities Maker](#)

Materials

[Inventables](#) - Laser cutter safe materials

[Tools Today](#) - CNC bits (Check in with Digital Lab staff before purchasing a bit to use on our CNC)

[Lasable Stamp material](#) - Laser cutter safe stamp material

[Precious Plastics](#) - An open source community for recycling plastic into usable materials

[A-1 Acrylics](#) - Local Acrylic Materials

[E&T Acrylics](#) - Local Acrylic Materials

[Home Depot](#) - Local Resource for wood and limited acrylic materials

[Menards](#) - Local Resources for wood and limited acrylic materials