



BERKSHIRE ATHENAEUM

1 WENDELL AVENUE • PITTSFIELD, MA 01201-6385

Pittsfield's Public Library Since 1872

3D Equipment Competency Checklist: Ultimaker

In order to enjoy independent access to the Berkshire Athenaeum's 3D Printers, patrons must demonstrate competencies with using our equipment. Patrons are required to attend in-person library sessions where patrons will develop the requisite qualifications needed to access to our equipment.

To register for **3D Printing: Wow** & **3D Printing: Let's Print**, please visit our [Calendar of Events](#).

Questions? Contact the Reference Department (413) 499-9480 or by email info@pittsfieldlibrary.org

Ultimaker 2

Machine Competencies

- Navigate machine menu
- Change filament
- Demonstrated comfort with handling equipment
- Identify power button on the machine

Cura (15.4.03) Competencies

- Load a design
- Identify "Full Settings" (or "Expert Settings") in Cura
- Understand Quality Settings
- Understand Fill Settings
- Understand Support Settings
- Understand Machine Settings
- Export .gcode to SD Card.
- Eject SD Card from computer properly



Printing Test

- Print a successful, original design that is created by the undersigned
 - Design must demonstrate some complexity and use of multiple CAD functions
- Demonstrated basic troubleshooting knowledge

Patron Name _____ Patron Signature _____

has demonstrated all of the requisite competencies to access and independently use the library's Ultimaker Equipment consistent with our policies.

Library Staff Signature: _____ Date: _____



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3D Equipment Competency Checklist: SeeMeCNC Orion

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SeeMeCNC Orion

Machine Competencies

- Navigate machine menu
- Change filament
- Demonstrated comfort with handling equipment
- Identify power button on the machine

MatterControl Competencies

- Add a file to queue
- Add the Orion Printer to software (select printer)
- Navigate to Settings & Controls Menu
- Identify supports in Settings & Control Menu
- Access the Scale Menu
- Access the Rotate Menu
- Export .gcode to SD Card.
- Eject SD Card from computer properly

Printing Test

- Print a successful, original design that is created by the undersigned
 - Design must demonstrate some complexity and use of multiple CAD functions
- Demonstrated basic troubleshooting knowledge



Patron Name _____ Patron Signature _____

has demonstrated all of the requisite competencies to access and independently use the library's SeeMeCNC Orion Equipment consistent with our policies.

Library Staff Signature: _____ Date: _____