Ajax Public Library: 3D Printer Quiz

Submit to libraryinfo@ajaxlibrary.ca when complete.

Your Name:		**Date Completed:**	
Email Address or Phone Number:			

1. If you need to add support and adhesion (base), where can you find it in Cura?

- a. Click the “Settings” link and choose “Support”.
- b. Click the top right tab and then click “Support”.
- c. Click the “Preferences” link and choose “Support”.
- d. Click the left tab and then click “Support”.

2. How can you tell if the .STL file you downloaded is printable in a 2-hour time frame?

- a. Click the “Preview” tab at the top of Cura.
- b. Click the “Settings” link.
- c. Click the “View” link and then choose “Camera View”.
- d. Click the “Slice” button.

3. What should you do if you need to pause or stop your 3D printing session before the object is completed?

- a. Turn off the big switch on the side of the 3D printer.
- b. Switch from “Monitor” back to “Prepare” by clicking the “Prepare” button.
- c. Click the “Pause” or “Abort” button in Cura. (If you can’t see these buttons, go out of full screen mode in Windows.)
- d. Click “File”, then “Stop” or “Pause”.

4. What must be done before filament in inserted into the 3D printer?

- a. Clean the print bed.
- b. Make sure the blue USB cable (from the toolbox) is connected to the 3D printer and the computer.
- c. Add enough blue tape (from the toolbox) to the print bed. Do not overlap, make sure it is completely flat on the print bed, and make sure you have enough for your 3D object that you wish to print.
- d. Turn on the 3D printer.
- e. Cut the end of the filament to ensure it has a clean nub.
- f. All of the above.

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5. Before inserting filament, the "Feed" button must be pressed, and before removing filament, the "Retreat" button must be pressed.

- a. True.
- b. False.

6. Every 3D object that is downloaded into Cura must be rotated and moved.

- a. True.
- b. False.

7. If you need to shrink (scale) your 3D object, where can you find it in Cura?

- a. Click the "Preview" tab at the top of Cura.
- b. Click the "Slice" button and then click the "Rotate" button until the object is the correct size.
- c. Click the "View" link and then choose "Camera View".
- d. Click the "Slice" button. Then click on the object, followed by the "Scale" button. Choose a number that is less than 100%. Finally, click the "Slice" button again. Repeat as needed.

8. How can you see your 3D object from all angles?

- a. Right-click and hold while dragging your mouse.
- b. Click the "Preview" tab and drag your mouse around the 3D object.
- c. Scroll the middle wheel of your mouse.
- d. Click the "Settings" link and choose "Angles".
- e. A and C.
- f. B and D.

9. The blue tape should cover the print bed from the far right to the far left.

- a. True.
- b. False.

10. What are the first buttons to press on the 3D printer when you are ready to insert filament?

- a. Tap "Settings", then "Temperature", then "Refuel".
- b. Tap "Settings", then "Refuel", then "Printer Info".
- c. Tap "Settings", then "Refuel", then "Feed".
- d. Tap "Settings", then "Print", then "Refuel".

11. How can you tell if your 3D object needs "Support"?

- a. Left-click and hold while dragging your mouse. If you see red, it needs support.
- b. Right-click and hold while dragging your mouse. If you see red, it needs support.
- c. Press the mouse's middle wheel and drag. If you see red, it needs support.
- d. Click "Select All" to select your 3D object. If you see red, it needs support.

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12. What are the first buttons to press on the 3D printer when you are ready to remove filament?

- a. Tap “Settings”, then “Temperature”, then “Refuel”.
- b. Tap “Settings”, then “Refuel”, then “Printer Info”.
- c. Tap “Settings”, then “Refuel”, then “Feed”.
- d. Tap “Settings”, then “Print”, then “Refuel”.

13. What should you do after removing your filament?

- a. On the 3D printer, press the “Back” button twice, then “Temp”, then “Cooling”. When it says “Cool Down” then the object can be removed.
- b. Remove the blue tape and clean the print bed.
- c. Turn off the 3D printer.
- d. Close Cura on the computer and log out.
- e. Return ALL tools and blue USB cables to the Service Desk.
- f. All of the above.

14. What types of 3D files are allowed to be printed on the Ajax Public Library 3D printer?

- a. .STL
- b. .OBJ
- c. .3MF
- d. .STP

15. You should always make sure the “Adhesion” button is checked.

- a. True.
- b. False.

16. You can use your own .STL file, even if it is not from Thingiverse.com.

- a. True.
- b. False.

After completing and submitting your Quiz, you will receive a response from Library staff. Successful applicants will be able to book appointments to use the Library’s 3D printer through our Service Desk (ext. 8813) to print objects. Unsuccessful applicants will be invited to review the videos and take the Quiz again.

80% accuracy required.

If you have questions about the process, please contact us:
Email: libraryinfo@ajaxlibrary.ca
Phone: 905-683-4000