

Library Innovation Studios -- Space Needs Chart

Last updated June 8, 2017

Approximate size of table/counter space needed for equipment/components included in the various stations

Note: This chart doesn't take into account space needed for chairs and users or space needed between stations to allow for adequate flow of patrons

Station Number	Components/Devices (tentative list)	What it Does	Table Size (Width x Depth)	Additional Notes
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Stations are those that will be installed as a unit and remain set up throughout the hosting period.

Station 1	Lulz Taz 6 3D Printer & Desktop Computer	Print 3D thermoplastic items that were designed	6' x 3'	
Station 2	Epilog Zing 16 Laser Cutter & Desktop computer	Laser cut and etch wood, glass and other materials	6' x 3'	This station should be located near a window that opens.
Station 3	USCutter Tital 2 Vinyl Cutter & Desktop computer		3' x 2' plus 4'x2' floor	
Station 4	Carvey Intentables CNC Router & Desktop Computer	Cuts wood and other materials based on programmed designs	6' x 3'	
Station 5	bernette Chicago 7 Embroidery Machine from Bernina	Embroidering and sewing clothes and décor items	4' x 2'	

Mobile Stations arrive in totes/containers and should be set out during weekly hours scheduled by the library and available for check out for in-library use.

Mobile Stations are generally not all in use at any one time so the same tables can be used for more than one Mobile Station.

Mobile Station 1	Lego Mindstorms EV3 Kit	Build/program robots using a laptop	6' x 3'	Allow more space with multiple users
Mobile Station 2	LilyPad Design Kit/wearable technology	Use circuits/copper wires to light up fabric items	3' x 2'	Allow more space with multiple users
Mobile Station 3	Arduino Starter Kit & Laptop	Program using electronic components	3' x 2'	Allow more space with multiple users
Mobile Station 4	SparkFun Inventor's Kit	Uses circuits and sensors to power motors/lights using a laptop	3' x 2'	Allow more space with multiple users
Mobile Station 5	Makey Makey	Turns objects into touchpads (laptop thinks item is keyboard/mouse)	3' x 2'	Allow more space with multiple users
Mobile Station 6	Camera/Video Creator Kit/Green screen	Take and photos/videos using iMac	3' x 2'	When using green screen, a 12x12" space is recommended.
Mobile Station 7	Apple iMac Computer w/Garage Band, iMovie Etc	Media Editing, Mini Recording & Mixing Studio	3' x 2'	If actual instruments are used, a room with a door is needed.
Mobile Station 8	Soldering Station	Solder to join metals/create electric connections	2' x 2'	

Other tools, devices and items will also be provided such as: Laptops for use in mobile stations, multimeter, basic tools, safety devices, other various devices such as shop vac, iron and ironing board. Some consumables such as batteries, thread and filament will also be provided.

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