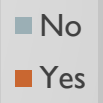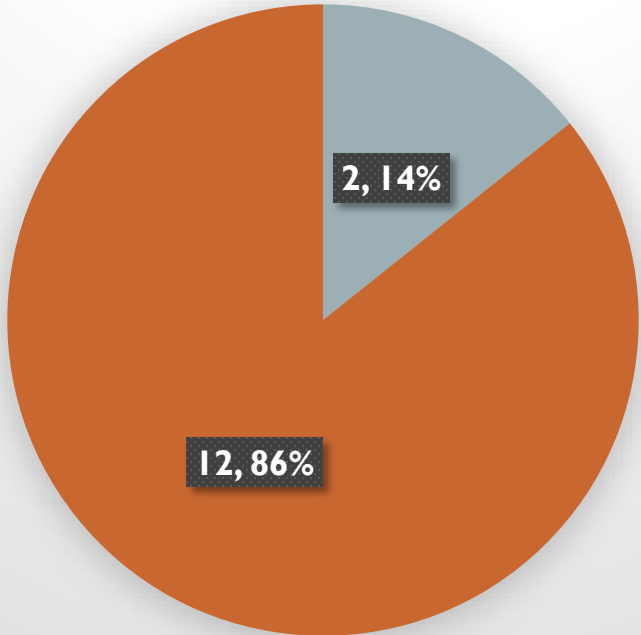# STIM MAKER SURVEY RESULTS

# CAMPUSES REPRESENTED

- Stanislaus State (2)
- Sacramento State
- CSU Channel Islands
- CSU Northridge
- Chico State
- Cal Poly San Luis Obispo
- CSU East Bay
- CSU Bakersfield
- CSU Long Beach (3)
- Fresno State
- CSU San Marcos (3)

- Sonoma State University
- CSU Fullerton
- CSU San Bernardino
- CSU Monterey Bay
- San José State (2)
- San Francisco State
- Cal Maritime

# PREVALENCE



Do you have a maker-space?
(defined however you like)

2, 14%

12, 86%

No
Yes

# WHAT IS THE NAME OR TITLE OF YOUR MAKERSPACE?

- N/A - Our lending program has makerspace components. [Fresno State]
- TBD as we are in the beginning stages of development (Potentially Media & Makerspace) [CSU San Marcos]
- SSU Makerspace [Sonoma State]
- The MIX [CSU Fullerton]
- Library Innovation Lab [CSU San Bernardino]
- CSUMB Makerspace [CSU Monterey Bay]
- Gerald M Kline Innovation Space (I-Space for short) [CSU Long Beach]
- Rapid Prototyping Lab [San Jose State]
- Digital Media Studio – MakeSpace [San Francisco State]
- Makerspace [Cal Maritime]

# STAFFING MODEL

- Two Staff members and multiple student assistants are involved with our maker activities. We have a robust tech lending program through which we lend 3D printers, and other related equipment. We also have a VR/AR space, which is fairly new, where some maker activities are being planned in the near future. [Fresno State]

- "Led by Staff member Two staff in support roles Student Assistant - Number of Student Assistants TBD based on schedule and need" [CSU San Marcos]

- 0.1 fte MPP, 0.2 fte staff, 2.25 fte students [Sonoma State]

- staff and students [CSU Fullerton]

- Student lead and student assistants [CSU San Bernardino]

- "1 staff member. Several students." [CSU Monterey Bay]

- One faculty and three full-time staff [CSU Long Beach]

- Part-time staff person (who is also an engineering grad student) and student assistants. [San Jose State]

- Student Assistants assist students at the help desk and in the makerSpace. Library IT staff support the area, provide technical assistance, and maintain all equipment, train Student Assistants, provide support for faculty run sessions and conduct workshops, tours and training sessions. [San Francisco State]

- Staff [Cal Maritime]

# CAMPUS PARTNERS

- "We've had input from campus groups but our maker offerings have mainly been initiated and led by the library." [Fresno State]

- "Faculty from each of the colleges Informational and Instructional Technology Services Campus Innovation Hub Center for Research and Engagement in STEM Education" [CSU San Marcos]

- School of Science & Technology, School of Education, School of Arts & Humanities, Faculty Center, Dept. of Electrical Engineering, Dept. of Computer Science, Dept. of Physics, Center for Performing Arts, Film Studies Program [Sonoma State]

- Information Technology [CSU Fullerton]

- Info Tech and colleges [CSU San Bernardino]

- "College of Education, College of Science, College of Business" [CSU Monterey Bay]

- None [CSU Long Beach]

- College of Engineering, College of Business (we do some ideation/incubation work in a co-located area). But, we mostly do it on our own. [San Jose State]

- This space is primarily run by the library, but also have complications with Business, Art, Nursing, Engineering, Computer Science, Speech Disorders, Design, Broadcasting, Cinema, Conflict Resolution, Museum Studies, History, Music. [San Francisco State]

- School of Engineering [Cal Maritime]

# FUNDING

- regular budget through special allotment. hope is there to use donor funds in the future to grow the initiative. [Fresno State ]

- Grants; One-time monies; Regular budget (all staff funded by regular budget) [CSU San Marcos ]

- Grants [Sonoma State University ]

- regular budget [CSU Fullerton ]

- Regular budget [CSU San Bernardino ]

- Regular budget, one time monies, grants, donations [CSU Monterey Bay ]

- Combination of donations, student excellence fee awards and regular budget [CSU Long Beach ]

- regular budget, some grants shared with us by College of Engineering, donation from College of Business accelerator group [San José State ]

- The funding come from library funds, campus Instructional Equipment Requests, One-Time funding. [San Francisco State ]

- all of the above [Cal Maritime ]

# SIZE (SQ. FT.)

- 1200 [Fresno State ]
- 2510 [CSU San Marcos ]
- 1,900 [Sonoma State University ]
- 100 [CSU Fullerton ]
- 600 [CSU San Bernardino ]
- 1000 [CSU Monterey Bay ]
- 1500 [CSU Long Beach ]
- 600 [San José State ]
- 3000 [San Francisco State ]
- 400 [Cal Maritime ]

# USAGE STATS

- yes, for equipment lending. Statistics gathering for Ar/VR space is in its initial pilot phase (manual collection to date) [Fresno State ]

- We are in the beginning stages of development [CSU San Marcos ]

- number of visits, courses impacted, [Sonoma State University ]

- not yet [CSU Fullerton ]

- Number of guests per day by type and major [CSU San Bernardino ]

- Yes. Who, when, major, length of stay [CSU Monterey Bay ]

- Yes [CSU Long Beach ]

- Scheduling of the 3d printers and laser cutters; tours and training; online certifications in our Canvas training modules [San José State ]

- Statistics gathered from checkout information, print jobs processed and computer Loggins. Also collect data on number of instructional sessions and workshops conducted in the space. [San Francisco State ]

- Unsure [Cal Maritime ]

# MAJOR EQUIPMENT

- "FlashForge Finder (3D printer)Sony Cameras, Canon Cameras, Go-Pro Cameras, Lighting Equipment, Audio Equipment (Photography and Videography components).Oculus Quest (VR)Canon Vixia HXG60 (video studio recording equipment)Beringer B2Pro (microphones for podcasting)Alienware Aurora R8 (digital content creation)Behringer 4-Track Mixers (audio hardware)Avid MBox 4-line interfaces." [Fresno State ]

- No equipment has been purchased for the space at this time. [CSU San Marcos ]

- 3D printers, CNC mills, laser engraver/cutter, 3D scanner, virtual reality, sewing machines, embroidery machines, vinyl cutter, soldering & electrical components, robotics [Sonoma State University ]

- 2 sewing machines; 2 button makers; vinyl cutter; 3-d printer [CSU Fullerton ]

- 3D printers (4), 3-D scanner, milling machine, VR station, arduiono sets, chess sets (2) [CSU San Bernardino ]

- 3 D printers, laser cutters, fume extractors, vinyl cutters, sewing machines, CNC machines, VR equipment, t shirt presses, button makers, etc., computers [CSU Monterey Bay ]

- Stratasys J750 printer, German RepRap X1000 and X350 printers, Stratasys F170 printer, 6 Markforged Enterprise and Mark Two printers, laser cutter, 3D scanner, and rinsing systems. [CSU Long Beach ]

- Three ultimakers, 2 lulzbots, glowforge laser vutter, vinyl cutter, heat press, soldering stations, etc. [San José State ]

- Video cameras, audio equipment, VR equipment, Digital Media computers, 3D Workstations, 3D Printers, hand tools, button maker, 360 video cameras, DSLR cameras, 3D scanner, Audio Mixing Room, VR Development Room, Poster Printer, Raspberry Pi, Arduino, Micro:bit, sensor and electronics, soldering kits, photo and slide scanners. [San Francisco State]

- 3D printers, sewing machines, soldering kits [Cal Maritime ]

# FUTURE EQUIPMENT PLANS

- "potentially: Apple pencils and Surface pens (we have a few, might get more). we plan for: Valve Index (VR headset) Arduinos" [Fresno State ]

- Button Maker, 3D Printer, Supercomputers/HPC (High Performance Computing), Bookmaking/Bookbinding supplies, Virtual Reality headset(s), Laser cutter, Sensors, Craft materials [CSU San Marcos ]

- computers with A/V production software, additional 3D printers and sewing machines, serger [Sonoma State University ]

- laser cutter, better 3-d printer, one-button studio [CSU Fullerton ]

- Considering:  robotics sets, and AI software [CSU San Bernardino ]

- No [CSU Monterey Bay ]

- Desktop metal printer, full body scanner, and a water jet cutter [CSU Long Beach ]

- Muse laser cutter, thermoformer, high-end 3D scanner [San José State ]

- Laser Cutter, Expand the high-end workstations for 3D modeling and Virtual Reality. [San Francisco State ]

- laser cutter [Cal Maritime ]

# PUBLIC POLICIES

- "N/A We have policies related to tech lending available on our website.https://library.fresnostate.edu/tech/tech-lending" [Fresno State ]

- We are in the beginning stages of development [CSU San Marcos ]

- https://library.sonoma.edu/makerspace/policies [Sonoma State University ]

- not yet [CSU Fullerton ]

- Csusb.edu/library/services/innovation-lab/policies [CSU San Bernardino ]

- not posted online [CSU Monterey Bay ]

- Yes [CSU Long Beach ]

- https://libguides.sjsu.edu/prototyping [San José State ]

- https://library.sfsu.edu/digital-media-studio-makerspace [San Francisco State ]

- No [Cal Maritime ]

# ARE POLICIES EFFECTIVE AS WRITTEN

- Yes. (With varying degrees of belief and emphasis depending on the campus respondent.)

# WHO ENFORCES POLICIES?

- The Access Services team. [Fresno State ]

- We are in the beginning stages of development [CSU San Marcos ]

- Students who staff the Makerspace. If they are challenged, they escalate to the Director of Library Technology or an available library staff person. [Sonoma State University ]

- We had not yet really opened for business - eventually the staff member who will be in charge of the enforcement. We are hoping perhaps in vain to have the systems director we may finally be allowed to hire be in charge of the space. [CSU Fullerton ]

- Staff and admin [CSU San Bernardino ]

- the makerspace coordinator [CSU Monterey Bay ]

- The staff [CSU Long Beach ]

- Staff member and student assistants [San José State ]

- Student Assistants working in the area, and Library IT Staff that support the area. [San Francisco State ]

- Makerspace Coordinator [Cal Maritime ]

# HAVE ANY OF THE POLICIES EVER BEEN CONTESTED?

- Generally "No"

- Some other interesting responses:

  - Define "contested"

  - Late fees are sometimes contested, as are loan periods. they're more wish requests rather than contestations.

  - The only policy that gets challenged is that the Makerspace is not open to the public