

**CALIFORNIA STATE LIBRARY  
LIBRARY SERVICES AND TECHNOLOGY ACT (LSTA)  
FISCAL YEAR 2016/2017 STAFF INNOVATION FUND  
PITCH-AN-IDEA GRANT APPLICATION**

**ELEMENT 1: BASIC INFORMATION (please see application instructions for additional information)**

**Applicant Information**

- |  |                                 |              |              |            |                  |               |    |       |  |
|--|---------------------------------|--------------|--------------|------------|------------------|---------------|----|-------|--|
| <p><b>1. Library/Organization</b><br/>Mission Viejo Library</p> <p><b>3. Project Coordinator Name &amp; Title</b><br/>Allen Kesinger, Teen Services Librarian</p> <p><b>5. Business Phone Number</b><br/>949-830-7100 ext. 5134</p> <p><b>6. Mailing Address</b></p> <table border="0"> <tr> <td><b>PO Box or Street Address</b></td> <td><b>City</b></td> <td><b>State</b></td> <td><b>Zip</b></td> </tr> <tr> <td>100 Civic Center</td> <td>Mission Viejo</td> <td>CA</td> <td>92691</td> </tr> </table> | <b>PO Box or Street Address</b> | <b>City</b>  | <b>State</b> | <b>Zip</b> | 100 Civic Center | Mission Viejo | CA | 92691 | <p><b>2. Library's DUNS Number</b></p> <p><b>4. Email Address</b><br/>akesinger@cityofmissionviejo.org</p> |
| <b>PO Box or Street Address</b>  | <b>City</b>                     | <b>State</b> | <b>Zip</b>   |            |                  |               |    |       |  |
| 100 Civic Center   | Mission Viejo                   | CA           | 92691        |            |                  |               |    |       |  |

**Project Information**

- 7. Project Title** Pop-Up MakerSpace
- 8. LSTA Funds Requested** \$9,200
- 9. Cash Contributions** \$0
- 10. In-Kind** \$2,600
- 11. Total Project Cost** \$11,800
- 12. California's LSTA Goals** *(Check one goal that best describes the project)*
- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Literate California                        | <input checked="" type="checkbox"/> Content Creation/Preservation | <input type="checkbox"/> Community Connections           |
| <input checked="" type="checkbox"/> 21 <sup>st</sup> Century Skills | <input type="checkbox"/> Bridging the Digital Divide              | <input type="checkbox"/> Ensuring Library Access for All |
| <input type="checkbox"/> 22 <sup>nd</sup> Century Tools             | <input type="checkbox"/> Information Connections                  |  |
- 13. Number of persons served** *(Number of persons who use or will benefit directly from this project)* 320
- 14. Primary Audience for project** *(Select all that apply.)*
- |  |  |
|--|--|
| <input type="checkbox"/> Adults  | <input type="checkbox"/> Pre-School Children               |
| <input type="checkbox"/> Families                                      | <input type="checkbox"/> Rural Populations                 |
| <input type="checkbox"/> Immigrants/Refugees                           | <input type="checkbox"/> School Age Children               |
| <input type="checkbox"/> Intergenerational Groups (Excluding Families) | <input type="checkbox"/> Senior Citizens                   |
| <input type="checkbox"/> Library Staff , Volunteers and/or Trustees    | <input type="checkbox"/> Statewide Public                  |
| <input type="checkbox"/> Low Income                                    | <input type="checkbox"/> Suburban Populations              |
| <input type="checkbox"/> Non/Limited English Speaking Persons          | <input type="checkbox"/> Unemployed                        |
| <input type="checkbox"/> People with Disabilities                      | <input type="checkbox"/> Urban Populations                 |
| <input type="checkbox"/> People with Limited Functional Literacy       | <input checked="" type="checkbox"/> Young Adults and Teens |
- 15. This signature certifies that I have read and support this LSTA Grant Application.**

**Library Director Name:** Genesis Hansen **Title:** Director of Library and Cultural Services

**Mailing Address**  
*(if different from above)* \_\_\_\_\_ **City** \_\_\_\_\_ **Zip** \_\_\_\_\_

**Library Director Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## **ELEMENT 2: PROJECT BACKGROUND AND SUMMARY**

**Describe how this project was identified as a need, how it relates to your library's strategic plan, what will be accomplished if this project is implemented, and how you will know whether your project is successful. Summary should relate to activities in the timeline (Element 4) and include statistical info to support the project.**

Our Pop-Up MakerSpace is rooted in the community's need to support the young adults in Mission Viejo, to give them an opportunity to thrive in a safe and comfortable environment. This project is also designed to address the needs for young adult development as described by the Search Institute and mandated by the President of the United States.

First, the City of Mission Viejo recently conducted a survey as part of the development of a Cultural Arts Master Plan. It received over 1000 participants. Included with the finished report were responses to the question, "In your own words, what is Most Important to you for the future of the arts, culture and heritage of Mission Viejo?" Out of all the responses received, the City identified that the top two priorities of residents: provide safe and healthy activities for our youth and engage the youth of Mission Viejo in creative practice and life skills.

Second, our project is a response to the Search Institute's call to action on supporting the building blocks of healthy development in young adults. Out of the Institute's 40 Developmental Assets, our project addresses External Assets 7 (Community Values Youth, "Young person perceives that adults in the community value youth"), 17 (Creative Activities, "Young person spends three or more hours per week in lessons or practice in music, theater or other arts"), and 18 (Youth Programs, "Young person spends three or more hours per week in sports, clubs, or organizations at school and/or community organizations").

Third, the project addresses the Obama administration's Educate the Innovate initiative, which was designed to "help move American students from the middle to the top of the pack in science and math achievement over the next decade." The U.S. Department of Education cites that "only 16 percent of American high school seniors are proficient in math and interested in a STEM career. Even among those who do go on to pursue a college major in the STEM fields, only about half choose to work in a related career. The United States is falling behind internationally, ranking 29th in math and 22nd in science among industrialized nations." Projects introduced to teens through our MakerSpace will promote knowledge of STEAM-based subjects to ensure that they are equipped with the lifelong learning skills mandated by new initiatives.

The Pop-Up MakerSpace aligns with the City of Mission Viejo's Strategic Plan, specifically Community Development, because the project offers unique STEAM-based programming, cultivates recreation and life-long learning opportunities among young adults, and leverages community resources through partnerships with other City departments to create fun, interactive, and educational experiences. When the project is implemented, it will create a series of teen-only craft programs that will task participants with completing a project using foundations of STEAM. While the majority of the programs will be held inside the library however, two special programs have been added so that the library is compatible with additional components of the Community Development strategic goals. We will create and foster community pride with citizen involvement during the City's month long Christmastime celebrations and Spring Arts Alive! Festival. By taking the MakerSpace out of the library and into view with the community, the library will present its commitment to engage and support city-wide activities designed to connect the community.

We will know of the project's success through a series of pre- and post-program surveys that identify the participant's interest in STEAM before and after the program. The outcome of the project is to increase the participant's knowledge of STEAM and foster outside learning through creative, science-based activities. Teens learn as they work because the projects will focus on a specific skill or scientific process (for example, the chemical reaction that triggers when Inkodye is exposed to sunlight). The output we want to achieve is our target of 320 participants (that breaks down to 30 participants at each library session, and 100 at both city events). To assist with that goal, we will advertise through word of mouth and marketing materials at the library and two local area high schools. I have made connections with the librarians at Mission Viejo High School and Capistrano Valley High School and both are eager to promote our programs. I will also collaborate with the City's Recreation Department for programming and advertisement, as they share the library's interest in developing safe and fun teen programming.

### ELEMENT 3: PLANNING AND EVALUATION

Please answer each area concisely and completely. For section A-F limit to four pages.

**A. Project Intent** (*Check only one that best describes the project*)

**Lifelong Learning**

- Improve users' formal education
- Improve users' general knowledge and skills

**Information Access**

- Improve users' ability to discover information
- Improve users' ability to obtain information resources

**Institutional Capacity**

- Improve the library workforce
- Improve the library's physical and technology infrastructure
- Improve library's operations

**Economic & Employment Development**

- Improve users' ability to use resources and apply information for employment support
- Improve users' ability to use and apply business resources

**Human Services**

- Improve users' ability to apply information that furthers their personal, family, or household finances
- Improve users' ability to apply information that furthers their personal or family health & wellness
- Improve users' ability to apply information that furthers their parenting and family skills

**Civic engagement**

- Improve users' ability to participate in their community
- Improve users' ability to participate in community conversation around topics of concern

**B. Project Purpose – Short statement which answers the questions: we will do what, for whom, for what expected benefit(s).**

The purpose of the project is to give young adults between 7th and 12th grade a safe and fun place where they can engage their creative side at no cost to them. The library will hold a total of six MakerSpace Programs. Four programs will be held at the library and designed around projects such as sunprinting, conductive paint, LEDs, and more. The remaining two programs will be specialized events done in conjunction with City events. Participants will also have an opportunity to interact with the 3D printer by selecting from a pre-approved list of objects or create their own design using the device's software and picked up at a later date. When not in place for a library program, the 3D printer will be set up on display within the library in an area where patrons can see how the machine functions.

The benefit of these programs will be an increased awareness of the library as a creative space, a new means to attract reluctant patrons, and active involvement in promoting STEAM within the community.

**C. Anticipated Project Outputs – Measures of services and/or products to be created/provided.**

Library will have MakerSpace Equipment to support STEAM Programs

6 tested Pop-Up MakerSpace Program kits

6 Pop-Up MakerSpace Programs

320 Youth will participate in MakerSpace STEAM Programs

800 promotional flyers will be created and distributed among different zones in the library and neighboring schools

6 Community announcements through the Mission Viejo Life Blog

6 in-house announcements through the library's Framerate slideshow software

**D. Anticipated Project Outcome(s) – What change is expected in the target audience's skills, knowledge, behavior, attitude, and/or status/life condition? How will you measure these outcomes? (for examples see attachment B of the application instructions)**

75% of teens participating in the MakerSpace Programs will report increased knowledge of science based activities;

50% of participating teens will report increased knowledge of Mission Viejo Library's resources and services;

25% of participating teens will report increased used of library resources;

25% of participating teens will sign up for library cards;

Participating project staff will increase their knowledge of MakerSpace Programs and their ability to plan and facilitate successful future MakerSpace Programs.

**E. Briefly describe how this project will be financially supported in the future.**

This project will be financially supported beyond the grant period through the library's programming budget, generous donations from the Friends of the Library organization, and splitting costs with the Recreation Department.

**F. Activity Information. Activities are action(s) through which the intent or objective of a project are accomplished. Four activity types have been identified, each with select methods to help you describe how you will carry out this project. Indicate activity types that require a significant commitment of resources to the project (representing 10% or more of total project resources).**

1.  **Instruction** - Involves an interaction for knowledge or skill transfer and how learning is delivered or experienced. *(Check all that apply and provide a description including whether the format will be in-person, virtual, or both)*
  - Program - Formal interaction and active user engagement (e.g., a class on computer skills).
  - Presentation - Formal interaction and passive user engagement (e.g., an author's talk),
  - Consultation - Informal interaction with an individual or group of individuals (library staff or other professional) who provide expert advice or reference services to individuals, units, or organizations.
  - Other

Description: Instruction during each MakerSpace program will be provided in two ways. Each project kit will come with a set of instructions to stimulate self learning. However, should participants need help with the particulars of a project, library staff (who have previously tested the project) will be available to lend assistance. These one to one interactions offer the opportunity for staff to explain the scientific process behind the project.

2.  **Content** - Involves the acquisition, development, or transfer of information and how information is made accessible. *(Check all that apply and provide a description including whether the format will be physical, digital, or both)*
  - Acquisition - Selecting, ordering, and receiving materials for library or archival collections by purchase, exchange, or gift, which may include budgeting and negotiating with outside agencies (i.e. publishers, vendors) to obtain resources. May also include procuring software or hardware for the purposes of storing and/or retrieving information or enabling the act of experiencing, manipulating, or otherwise interacting with an information resource.
  - Creation - Design or production of an information tool or resource (e.g., digital objects, curricula, manuals). Includes digitization or the process of converting data to digital format for processing by a computer.
  - Description - Apply standardized descriptive information and/or apply such information in a standardized format to items or groups of items in a collection for purposes of intellectual control, organization, and retrieval.
  - Lending - Provision of a library's resources and collections through the circulation of materials (general circulation, reserves). May also refer to the physical or electronic delivery of documents from a library collection to the residence or place of business of a library user, upon request.

- Preservation - Effort that extends the life or use life of a living or non-living collection, the individual items or entities included in a collection, or a structure, building or site by reducing the likelihood or speed of deterioration.
- Other

Description: The materials provided for the Content activity will be physical books and magazines that will become a part of the library's standing materials collection. They will relate to the overall theme of each session and be made available during the program. Booklists and other pathfinders will also be available

3.  **Planning & Evaluation** - Involves design, development, or assessment of operations, services, or resources and when information is collected, analyzed, and/or disseminated. *(Check all that apply and provide a description including whether the format will be in-house or third-party)*
- Retrospective - Research effort that involves historical assessments of the condition of a project, program, service, operation, resource and/or user group.
  - Prospective - Research effort that projects or forecasts a future condition of a project, program, service, operation, resource, and/or user group.

Description:

4.  **Procurement** - Acquiring or leasing facilities; purchasing equipment/supplies, hardware/software, or other materials (not content) that support general library infrastructure. *(Provide a description)*

Description: 3-D Printer and program supplies will be purchased as needed.

**ELEMENT 4: GRANT TIMELINE/ACTIVITIES**

Show each major project activity and when it will be started and/or completed throughout the project. The timeline should correspond to the activities described in Planning and Evaluation. Please put an X in each pertaining month.

Activity	Fiscal Year 2016/2017											
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July
Purchasing supplies, planning for four MakerSpace Programs	x	x	x									
Acquire 3D Printer		x										
Develop marketing materials and assessments			x									
Pop-Up MakerSpace programs				x		x	x	x				
Holiday Pop-Up MakerSpace program					x							
Mission Viejo Arts Alive Pop-Up MakerSpace Program										x		
Analyze project assessments and feedback, finalize grants reports											x	x

**ELEMENT 5: BUDGET**

The budget should clearly identify the amounts requested and from what sources.

Budget Category	LSTA	Cash Contribution	In-Kind	Total
<b>Salaries/Wages/Benefits</b>				
FT Librarian II @ \$40/hr x 60 (.3% FTE)	\$0	\$0	\$2,400	\$2,400
Backfill librarian @ \$25/hr x 12 hours (.9% FTE)	\$300	\$0	\$0	\$300
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
<b>Subtotal</b>	\$300	\$0	\$2,400	\$2,700

**Description:** -Backfill librarian to cover two desk hours at six event programs for a total 12 hours.  
 -Full time librarian will spend 60 hours planning, implementing, and reporting Pop-Up MakerSpace Programs.

<b>Equipment (\$5,000 or more per unit)</b>				
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
<b>Subtotal</b>	\$0	\$0	\$0	\$0

**Description:**

<b>Library Materials</b>				
Books, magazines, and media items	\$2,000	\$0	\$0	\$2,000
		\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
<b>Subtotal</b>	\$2,000	\$0	\$0	\$2,000

**Description:** These are library resources that will be added to the library's circulating collection and be made available for check out during the Pop-Up MakerSpace Programs.

Budget Category	LSTA	Cash Contribution	In-Kind	Total (B+C+D = E)
<b>Consultant Fees</b>				
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
<b>Subtotal</b>	\$0	\$0	\$0	\$0

**Description:**

<b>Travel</b>				
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
<b>Subtotal</b>	\$0	\$0	\$0	\$0

**Description:**

<b>Supplies/Other</b>				
MakerBot Replicator	\$3,000	\$0	\$0	\$3,000
Replicator Supplies and Filament	\$700	\$0	\$0	\$700
Project supplies	\$3,000	\$0	\$0	\$3,000
Saddleback Room Rental Deposit	\$0	\$0	\$75	\$75
Saddleback Room Rental @ \$25 for 2 hours	\$0	\$0	\$125	\$125
Marketing materials and documentation (project instructions)	\$200	\$0	\$0	\$200
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
<b>Subtotal</b>	\$6,900	\$0	\$200	\$7,100

**Description:** -These are the supplies needed for all six Pop-Up MakerSpace Programs. Project supplies may include, but not limited to, Inkodye, cardstock, canvas, conductive paint, LEDs, and copper tape.

-The MakerBot Replicator is my 3D printer of choice based on a series of reviews of the top machines in the industry.

-The City's Saddleback Room will be used for our MakerSpace Programs. The formula used for the In-Kind amount is \$25 for five, 2 hour programs.

-Documentation includes printing instructions for each MakerSpace Program kit, including step by step assistance and information on how the project works.



Budget Category	LSTA	Cash Contribution	In-Kind	Total (B+C+D = E)
<b>Contracted Services</b>				
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0
<b>Subtotal</b>	\$0	\$0	\$0	\$0

**Description:**

<b>Project Total</b>	\$9,200	\$0	\$2,600	\$11,800
<b>Indirect Cost Rate Applied</b> 0.0 % <b>Indirect Cost</b>	\$0	\$0	\$0	\$0

Check one:

No Indirect                     
 Federally negotiated indirect cost rate \*                     
 Indirect proposed cost rate \*

\* please attach supporting documentation if required

**Description:**

<b>Grand Total</b>	\$9,200	\$0	\$2,600	\$11,800
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#### ELEMENT 6: ATTACHMENTS

If you have additional resources that support your grant, please attach after this page

**ELEMENT 7: INTERNET CERTIFICATION FOR APPLICANT PUBLIC LIBRARIES FY 2016/17**

**Check the Appropriate Library Type**

- Public Library**       **Academic**       **K-12**       **Multi-Type**       **Special/Other**

As the duly authorized representative of the applicant public library, public elementary school library or public secondary school library applying for LSTA funding, I hereby certify that the library is (*check only one of the following boxes*)

**A.  An individual applicant that is CIPA compliant.**

The applicant library, as a public library, a public elementary school library or public secondary school library, has complied with the requirements of Section 9134(f)(1) of the Library Services and Technology Act.

**B.  Representing a group of applicants. Those applicants that are subject to CIPA requirements have certified they are CIPA compliant.**

All public libraries, public elementary school libraries, and public secondary school libraries, participating in the application have complied with the requirements of Section 9134(f)(1) of the Library Services and Technology Act. The library submitting this application has collected Internet Safety Certifications from all other applicants who are subject to CIPA requirements. The library will keep these certifications on file with other application materials, and if awarded funds, with other project records.

**C.  Not Subject to CIPA Requirements.**

The CIPA requirements do not apply because no funds made available under this LSTA grant program will be used to purchase computers used to access the Internet or to pay for direct costs associated with accessing the Internet.

Mission Viejo Library  
Library/Organization

Pop-Up MakerSpace  
Project Name

Genesis Hansen  
Library Director Name

Director of Library and Cultural Services  
Title

\_\_\_\_\_  
Library Director Signature

\_\_\_\_\_  
Date