Maker Workshop

Create a Maker Program Ready to Implement in Your School or Library

October 3 - 24, 2017
Maker Workshop

This newest installment of Maker Workshop—from School Library Journal and Library Journal—features all new content to help you stay up to date on new ways of sparking engagement and hands-on learning. Course sessions explore multiple technologies, digital making, STEAM, and web literacy in programs and ideas for all ages. This program includes a special Maker Expo that showcases a mix of leading tech startups that focus on innovations in making, including digital fabrication, cutting-edge software, and other exciting new technologies. Throughout the program, you’ll dig into up-to-the-minute topics and tools alongside innovative experts from school, public, and academic settings and authorities from beyond the library world.

This 4-week online course features weekly guest speakers, live via web video, in interactive sessions with Q&A. You’ll work in small groups with facilitators experienced in the maker movement to complete assignments and field research in your library that will fuel your maker program.

As a participant in the course, you will view live keynote sessions and join the conversation via live chat. (All sessions are recorded for access later on.) Most important, you’ll work with a dedicated advisor in an online coaching environment to gather resources and best practices and connect with peers from across North America (and beyond).

Throughout the course, you will build an actionable blueprint for a maker program that fits your budget and serves the very specialized needs of your community, whether you’re serving children, teens, or adults.

Outcome: Throughout the course, you will build an actionable blueprint for a maker program that fits your budget and serves the very specialized needs of your community, whether you’re serving children, teens, or adults.

Your registration also grants you complimentary access to SLJ’s Maker Hub!

Launching in September, the Maker Hub will host more than 30 expert-led sessions from our past Maker Workshops.

Online Course Features:

- Instructor-led online courses feature personalized interaction over four weeks
- Real-time guest speakers and conversation via live webcast (with recordings available afterward)
- Weekly homework assignments to help you make progress on your goals
- Individualized attention from course facilitators who work with you in a coaching environment to help sort out challenges
- Ongoing group conversation via discussion forums
- Articles, videos and other resources

Who should take this course:

Librarians and educators interested in overseeing or developing maker-oriented programming for the library. The course content will be relevant to librarians in schools or public libraries who serve various age groups and demographics. Participants will walk away with a plan for the launch of their maker program.

Inspiring Guest Speakers + Project-Based Learning

Engage with presenters via live video stream, visual presentations, and chats, and workshop practical ideas in groups, with guidance from an advisor, to map out your own maker program.
Week 1 | Tuesday, October 3 | 3:00 PM ET

Keynote Just Added
Engineer and author of the new book Everything All at Once (Rodale Books), shows how thinking like a nerd is the key to changing yourself and the world around you. In his live Maker Workshop presentation, Nye will share his discoveries and join in the audience Q&A. This session date for the fall course will be announced shortly.

Welcome to Class
School Library Journal executive editor Kathy Ishizuka, who designed this course, will welcome you to class and provide insights into the course structure, speaker program, and assignments to help you get the most out of class.

Kathy Ishizuka, Executive Editor, School Library Journal @kishizuka

Opening Keynote: How to Steal Like an Artist: Creative Lessons for Your Makerspace
In this exciting opening session of the Maker Workshop, writer, artist, and creative dynamo Austin Kleon will share his insights into the creative process, including the numerous tips and tricks he’s gleaned over over the years as a creator in a digital world. You’ll learn how his approach to leading a creative life transcends the art world as he shares lessons that can be applied to robust making - and living.
Austin is the the New York Times best-selling author of three illustrated books: Steal Like An Artist, Newspaper Blackout, and Show Your Work! His latest release is the interactive journal The Steal Like An Artist Journal: A Notebook For Creative Kleptomaniacs.

Austin Kleon, writer and artist; author of Steal Like an Artist; @austinkleon

Makers Helping Makers: Creating a Community of Makers Through Advocacy, Skill Sharing, and Problem-Solving
In this insightful session, Executive Director of Nation of Makers, Dorothy Jones-Davis shares how Nation of Makers, a national nonprofit organization, works to support makers around the country through a vast network of resource-sharing, advocacy, and community-building. She’ll discuss ways to collaborate with your community and engage stakeholders to develop initiatives around making in your town or city. You’ll learn how to tap into the ecosystem of makers that surrounds you to create a truly vibrant makerspace.

Dorothy Jones-Davis, Executive Director, Nation of Makers @dmjonessdavis

Weekly Assignment
Create an initial sketch of big picture planning for your maker program based on what you know today.
**Week 2 | Tuesday, October 10 | 3:30 PM ET**

**Maker Space on a Shoestring**

What if you could build an entire makerspace—top to bottom—in a single day and with very little budget? It might sound impossible, but that’s just what Justin Aglio did at the Montour School District in McKees Rocks, PA. Working with just one teacher and one parent, Justin built a low-cost makerspace at his elementary school within a day. In this session, you’ll learn how Justin was able to make this maker dream into a reality. He’ll share what went into planning, organizing, and executing his makerspace on a shoestring—from recruiting help in his school to tapping into community resources and local businesses. This session will show you that it can be done and how you can get there, too.

Justin Aglio, Director of Academic Achievement and District Innovation & Visiting LearnLab Fellow at Carnegie Mellon University (PA)  
@justinaglio

**Bicycle Culture at the Oakland Public Library**

Library makerspaces can address and solve community problems. Reginald Burnette Jr. and Anthony Propernick’s bike repair project is one nontraditional effort that has done just that. In 2014, Burnette and Propernick began running bike clinics at the Oakland Public Library to address the needs of community youth, who didn’t have access to bicycle repair shops. In this session, you’ll learn about this empowering program from ideation to funding, to execution, and learn how you might create a program to solve a problem in your own community.

Reginald “RB” Burnette Jr., Library Aide; President, the Original Scraper Bike Team, Oakland Public Library (CA)  
Anthony Propernick, Senior Library Assistant; Manager, 81st Avenue Branch, Oakland Public Library (CA)

**Making and Early Learning: At the Intersection of Research and Practice**

In this thought-provoking session, Lisa Brahms, Director of Learning and Research at the Children’s Museum of Pittsburgh, provides insight into why it’s vital to introduce making and exploring very early. Brahms is the project lead on the Museum’s MakeShop, which revolves around creating authentic creative opportunities for little ones. She’ll share how making enhances both critical thinking and problem-solving skills in youngsters, as well as practical ideas that engage even the smallest makers.

Lisa Brahms, Director of Learning & Research, Children’s Museum of Pittsburgh (PA)

**Weekly Assignment**

Outline the process and approvals required to make your plan happen and conduct your first rapid program test.
**Week 2.5 | Special Maker Session | Thursday, October 12 | 3:30 PM ET**

**SPECIAL MAKER EXPO SESSION**
This special session of the Maker Workshop will feature a mix of leading tech startups that focus on innovations in making.

- **Beau Trifiro**, Founder, Open Source Skateboards
- **Jeremy Macdonald**, Education Content + Training Manager, Sphero
- **Dani Hammernik**, Education Marketing Manager, Sphero
- **Josh Stevens**, Community Director, Pixel Press (Bloxels)
- **Jie Qi**, Co-Founder and Creative Director, Chibitronics
- **Colleen Graves**, Teacher Librarian; Makey Makey Jedi, Makey Makey
- **Jason Innes**, Manager of Training and Curriculum Development, KinderLab Robotics

**Week 3 | Special Keynote Presentation | Monday, October 16 | 1:00 PM ET**

**Special Keynote Session with Bill Nye**
Best-selling author Bill Nye, author of the new book Everything All at Once (Rodale Books), believes that “unleashing your inner nerd” is the key to changing yourself and the world around you. In this live Maker Workshop presentation, he’ll explore how, through a combination of deep examination, critical thinking, and creativity, we can solve the world’s problems. He’ll also share why now, more than ever, we need to unleash our radical curiosity. He’ll answer questions in a live audience Q&A after the inspiring special session.

- **Bill Nye**, Presenter; Engineer; Author, Everything All at Once (Rodale Books) [@billnye](https://twitter.com/billnye)

**Makerspace in a Box: Getting Started with littleBits – Sponsored Session**
littleBits makes technology kits that are fun, easy-to-use, and infinitely creative. The kits are composed of electronic building blocks that are color-coded, magnetic, and make complex technology simple and fun. Senior Product Lead, Dave Sharp, will share innovative ways to get started using littleBits in a classroom or school library. Live attendees will have a chance to win one littleBits STEAM Student Set (Value: $299.95).

- **Dave Sharp**, Senior Product Lead, littleBits
Week 3 | Tuesday, October 17 | 3:30 PM ET

Partnering with Universities to Create Cutting EDGE Maker Projects
Higher ed institutions can be untapped resources for public and school librarians. By focusing on emerging technology, you can build collaborative programming with local colleges and universities. This session will outline one such example, a partnership between the Studio Art, Museum, and Library departments at the University of Oklahoma. ArtEDGE provided public school students with experiential learning opportunities, involving art and cutting edge tech, including 3D scanning/printing and virtual reality. During this session, you will learn how to take advantage of institutional resources and networks, including how to establish a partnership with local colleges and universities and develop innovative programming, to teach 21st century skills.

Matt Cook, Emerging Technologies Coordinator, Fred Jones Jr. Museum of Art, University of Oklahoma (OK)
Melissa Ski, Director of Education, Fred Jones Jr. Museum of Art, University of Oklahoma (OK)

Creating Low-Tech and No-Tech Makerspaces
Want to create a dynamic makerspace but don't have the budget to access cutting-edge technology? Here you'll glean the ins-and-outs of growing a project from scratch, showing how you can do a lot with very little. Robert Pronovost, consultant for school makerspaces and former director of curriculum and instruction at an East Palo Alto district will show you how low-tech maker projects can foster creativity and discovery through authentic exploration and tinkering. He'll share low-tech projects with a high learning return that will help get your makerspace off the ground right now.

Robert Pronovost, Educator, Makerspace Consultant, and Founder of EmpowerMINT, Redwood City (CA) @pronovost

Weekly Assignment
Build out your program plan by mapping out the details of what you'll need to move forward and conduct your second rapid program test.

Week 4 | Tuesday, October 24 | 3:30 PM ET

Turn Any Space Into a Maker Space - Sponsored Session
Finding the space for a maker program may be a challenge. Learn how to transform your library's interior space into a hands-on learning environment using field-tested techniques and resources.

Tiffany Nash, Principal, Product Architecture, 3branch
Joseph Frueh, Vice President, 3branch
Funding Your Maker Program: A Grassroots Approach

Energized about your maker program ideas but baffled as to how you’ll fund them? Kristina Holzweiss, founder of SLIME (Students of Long Island Maker Expo), School Librarian of the Year (2015), and tenacious fundraiser will take you through the process of accessing small grants and using available tools to fund your project and supplement your budget, no matter how small. Holzweiss, who has raised $25,000 through individual donations via Donors Choose, and has stocked her library with a wealth of maker tools, will share how she’s managed to build an incredible, diverse program from modest grants from local companies, civic associations, and her community.

Kristina Holzweiss, School Library Media Specialist, Bayshore School District (NY), SLJ School Librarian of the Year (2015), Founder, SLIME (Students of Long Island Maker Expo) @lieberrian

Community-Responsive Making: From Serving the Underserved to Engaging the Disengaged, Meeting User Need Through Your Makerspace

During this final session of our Maker Workshop, Trixie Dantis, Teen Services Supervisor, and Kerry Devitt, Tween Librarian at Arlington Heights Memorial Library in Illinois, will share their deep insights into connecting with patrons to develop programming that is not only successful, but transformative. They’ll discuss the projects they’ve developed - from outreach services to engage underserved audiences, to a program designed to help fight youth obesity, to Summer Volunteer Squad, a summer learning initiative providing teens unique experiences from growing their own produce, coding, and more. Trixie and Kerry will take us through the many ways in which making in a library context can provide meaningful opportunities to connect, and also to change lives.

Trixie Dantis, Teen Services Supervisor, Arlington Heights Memorial Library (IL), Library Journal Mover & Shaker 2017 @trixupmysleeve

Kerry Devitt, Tween Librarian, Arlington Heights Memorial Library (IL) @kerrydevitt

Weekly Assignment

Finalize and prepare to launch your maker program by filling in the gaps in your plans, incorporating your field test results, establishing your launch timeline and preparing your presentation for approval.
Registration

For payment by check or credit card, please complete the form below.
To register online, please visit learn.libraryjournal.com/Maker-Workshop

Maker Workshop
October 3 – 24, 2017

Attendee(s): (write clearly)

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If you would like to register a team and benefit from preferential rates please call (646) 380 0773.

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