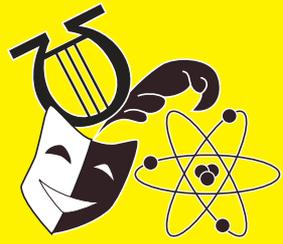


MUSECON



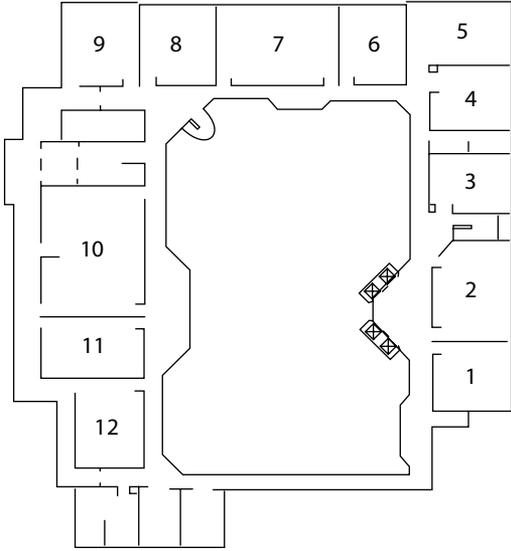
Constructing

Our Muses



with our Guests of Honor
**Theodore Gray
& Nina Paley**

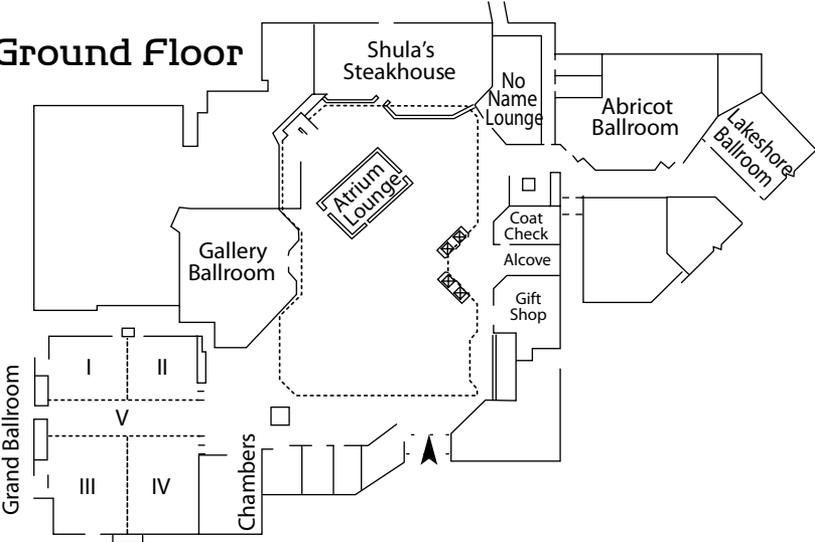
Hotel Map



Second Floor

Meeting Room Legend	
1	- Alton
2	- Barrington
3	- Carlyle
4	- Edwardian
5	- Hampton
6	- Leighton
7	- Marlborough
8	- Prescott
9	- Radcliffe
10	- Stanford
11	- Trafalgar
12	- Windsor

Ground Floor



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Programming

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Introduction

Welcome to MuseCon 2016, Constructing Our Muses! We have a lot of things this week-end to do, share, and learn – you should be able to find something interesting to do. I would like to thank all the people who helped put this together, from our concom to our instructors – they put in a lot of work on this, and I hope you enjoy it.

I would also like to welcome our Guests of Honor, Theodore Gray and Nina Paley. They, along with our Special Guests Loren Damewood and Talis Kimberley, have a lot of things planned for you this weekend. Enjoy!

Dave Ifversen, Chair, MuseCon 2016

Volunteering

Be a Part of MuseCon!

Do you want to:

- Teach a class?
- Participate on a panel?
- Keep attendees fed?
- Herd cats?
- Throw parties?
- Organize panels & classes?

We're pulling ourselves up by our own bootstraps, so there's plenty of room to help in all these ways and more.

For general questions or to be added to the Programming and/or the general planning (Convention Committee) e-mail lists, drop a note to our Convention Chair at: apollo@musecon.org.

As part of Closing Ceremonies (3:00-4:15 pm on Sunday in the Lakeshore ballroom) we will have a feedback session to listen to your suggestions for next year.

You're always welcome to drop in on one of our meetings. Please see our website at www.MuseCon.org for the meeting schedule.

Feedback options will also be available at www.MuseCon.org after the convention.

Gophers

Want to help out with MuseCon, but not sure how much time you can give? Maybe being a gopher is the answer!

Gopher shifts are generally an hour long, but we'll be happy to have your help for however much time you have. Gophering includes all the little jobs that crop up during the convention, anything from lending a hand in the hospitality suite to getting copies made.

If you'd like to lend a hand (or is that paw?), contact Operations.

Ask Me About...

If you have skills & knowledge you'd like to share with others, but you're not ready to teach a class, please consider becoming one of our "Ask Me About..." advisers.

Check page 23 for a description of our "Ask Me About..." program, and if you'd like to help out, visit Operations to request your own badge and ribbon(s). We're always looking for more contributors.

Registration

Registration is located near the main lobby gift shop. During the convention, Registration will sell convention memberships and course enrollments (including registration for free classes), as well as MuseCon T-shirts.

Your badge is needed to enter convention programming and hospitality spaces.

MuseCon memberships are transferrable at any time before the badge has been picked up. Once a badge has been picked up, the corresponding membership can no longer be transferred and may only be used by the person named on the membership.

Proof of identity will be required to pick up or transfer a badge.

Your badge remains the property of MuseCon. Attendees violating convention or hotel rules or engaging in illegal behavior will have their membership revoked and be asked to surrender their badge and leave the convention. No refunds will be granted for revoked memberships.

Registration Hours

Friday: Noon - 8:00 pm

Sat 8:30 am - 8:00 pm

Sun 8:30 am -2:30 pm
(MuseCon 7 memberships available)

Outside of Registration hours, please contact Operations at:
312-945-MUSE (312-945-6873)

Credits & Copyright

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MuseCon wordmark and Muse-
logo courtesy of J.D *Illiad* Frazer.

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reserved.

MuseCon supports the intellectual property rights of our contributors, and we are grateful for the use of their work.

Hospitality

MuseCon Munchies

If you need a break, or are hungry or thirsty, MuseCon Munchies (consuite), in room 304, is the place to be! We've got food and drinks, as well as space to relax and chat.

Please inform the consuite staff (wearing blue aprons) of any dietary restrictions. We have marked food items to the best of our ability, but will be keeping certain items separate to avoid cross-contamination. We do our best to create an environment in which everyone can find something to eat.

A taco bar buffet will be available on Saturday evening (6-7 pm); quantities are limited, so please plan accordingly! When the buffet items are gone, they are gone.

An area restaurant guide will be available in both Musecon Munchies and downstairs at Registration.

Additional seating will be available in Rooms 303 and 305.

We ask that any gaming be restricted to room 303, and that gamers understand the limited space available and pack up their games during mealtime and any other busy times as requested by consuite staff.

Snacks and drinks will be available during the following hours:

Friday: 2:45 pm – 1 am

Saturday: 8:30 am – 1 am

Sunday: 8:30 am – 3:00 pm

Guest Meet & Greet

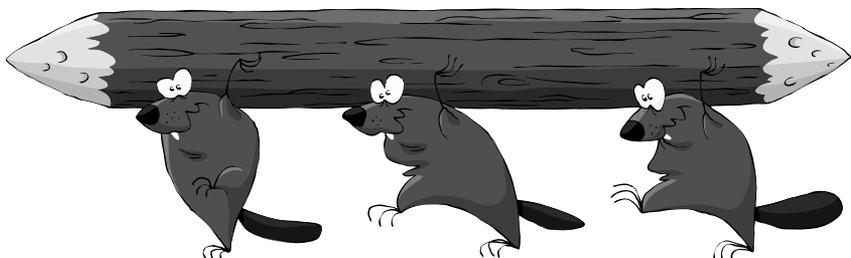
Looking for the chance to have a bit more quality chat time with our amazing guests? Join Theodore, Nina, Talis, and Loren for some conversation and tasty snacks (think cocktail party fare, but without the late hour).

The Meet & Greet will be from noon to 1:15 pm on Saturday, in the Lakeshore Ballroom.

Tickets are \$5/person. Note: space is limited, registration required.

Operations

MuseCon Operations is here to help you with whatever it is you need. Our official space is at Registration, but we'll probably spend most of our time roving around. After Registration hours, please call: *312-945-MUSE (312-945-6873)*



Code of Conduct

MuseCon exists for the benefit and enjoyment of all convention attendees. You agree to voluntarily abide by these rules of conduct, and you understand that MuseCon, Inc. (MuseCon's parent corporation) is relying on your cooperation, courtesy, and good judgment.

Please note:

Any action or behavior that causes excessive discomfort to other attendees, adversely affects MuseCon's relationship with its guests, its venues or the public, breaks any applicable law, code, or regulation, or causes significant disruption to convention operations is strictly forbidden, and may result in MuseCon asking you to leave the convention and possibly asking you not to return in future years.

The following policies are not intended to be an exhaustive list. Please use common sense and good manners.

Code of Conduct

General Rules

Badges

Please wear your badge. Without it, you will not be allowed into convention events or places like the Hospitality Suite. Please turn in any found badges to Operations or the Registration Desk, and check there if you lose yours. (We may ask for ID – please don't be offended if we don't immediately recognize you.)

Parents & Children

Please supervise (or provide supervision for) your children. Although MuseCon is family-friendly, classes and workshops may include the use of sharp or otherwise dangerous tools and materials, and some activities may not be appropriate for participation by all ages.

Children are not miniature adults, and their behavior can surprise even their parents; please be understanding. Parents and caretakers, please be considerate of the effect of children's behavior on others.

Emergencies

In the event of fire, medical emergency, or other critical situation, please call 911; do not wait for convention staff. In the event of fire, if no one has sounded an alarm, you should do so. If possible, also report the incident to Operations, Security, or any other convention staffer.

Miscellaneous Useful Information

Convention membership does not exempt you from complying with hotel rules.

This is a family-friendly convention; please keep your clothing, costumes, and public behavior within PG standards.

While many items at MuseCon are interactive and meant to be touched/handled, this is not universally the case. Please respect others' possessions—ask before touching, and put it back where you found it.

Don't be a jerk: practice all the good-behavior skills we learned in grade school.

Code of Conduct

Legal Matters

Please remember, anything illegal outside the convention is illegal inside the convention.

Alcohol

The state of Illinois and the City of Itasca are very serious about alcohol laws. Knowingly serving alcohol to anyone under the age of 21 is illegal, and will result in immediate revocation of convention membership and a report to the local authorities. You agree to drink responsibly if you drink at all.



Weapons

No real or realistic looking firearms are permitted in convention spaces. All other weapons must be peace-bonded and may not be drawn in public areas. If there is a question on the definition of 'realistic', please contact Operations for a ruling.

Any item used as a weapon, or in a threatening manner, will be treated as a weapon and will be confiscated. In addition, the wielder may be asked to leave the convention.

If you are required to carry a firearm or other weapon by law or employment policy, please contact Operations immediately upon registering at the hotel to present your credentials.

Code of Conduct

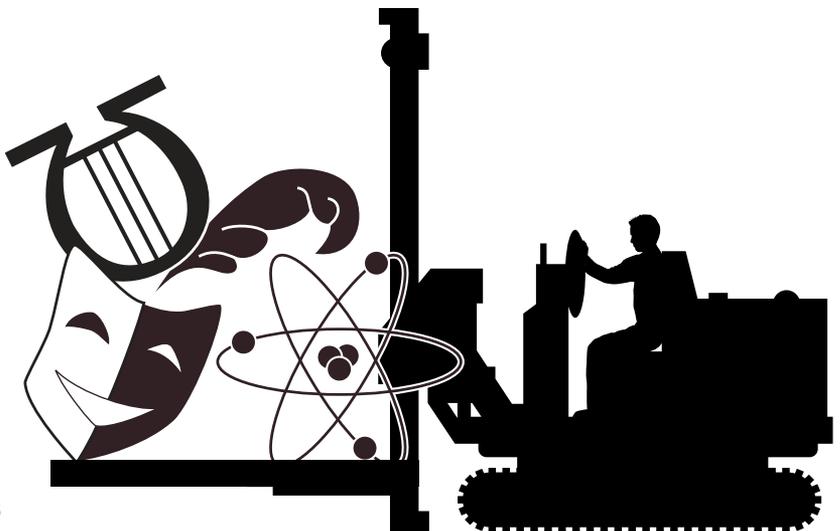
Harassment

Harassment is generally any behavior that annoys, alarms, or threatens another person or group. This includes (but is not limited to) unwanted physical contact, following someone around in a public area without their consent, or threatening to physically attack someone.

Play nice with others. This includes respecting personal space, both physical and emotional: "No" means No. Don't touch without asking and receiving permission. If you approach someone and they tell you "no" or ask you to leave them alone, your business with them is done. Back off and leave them alone. If you fail to honor their request, they may have a legitimate complaint of harassment.

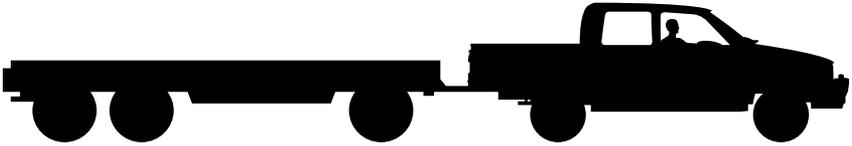
If you feel you are being harassed, please contact Operations to report the incident. Operations, or any convention staffer, for that matter, will be able to contact the Convention Chair at any time of the day or night. Every report is taken seriously and will be investigated, and appropriate action taken. Please remember that we need to know about any incidents during the convention in order to take action.

If you feel that you have been the victim of criminal conduct, please notify the local police immediately and, if necessary, seek medical attention. Please contact Operations, Security, or hotel staff if you need help seeking emergency services.



Marketplace

This year we will have a Vendor's Marketplace set up in the Barrington room on Saturday afternoon. The Marketplace will be open from 3:00 pm until 7:15 pm.



Kids and MuseCon

MuseCon's aim is to be a very interactive convention, and we want to extend this approach to our young participants. Although much of our programming is kid-friendly, we need your help in creating an event that can appeal to all ages.

We don't have the resources to offer full childcare, but our Kid's Programming staff has planned a track of creative and fun programming for kids, which take place mostly in Hampton, and are indicated with a building brick icon.

Please provide appropriate supervision for your kids, while in Kids' Programming; if you have questions on age-ranges of the activities, Kid's Programming staff will be glad to help.

Children are also welcome at any activity you think they're capable of if no age limits are noted. Some instructors have age limits noted for their classes and workshops, please respect these. In addition, kids are welcome to accompany adults and listen or quietly occupy themselves, even if they aren't actively participating.

Theodore Gray & Nina Paley

Guests of Honor



Theodore Gray is a software developer, author, and popularizer of science. Having started out in chemistry, he joined Stephen Wolfram in the creation of *Mathematica* software in 1987, for which he designed and wrote the user interface. In 2002 he received a coveted Ig Nobel Prize for his handcrafted wooden Periodic Table Table, which led to his bestselling book *The Elements*, with over a million copies in print and more in App form. He is co-founder and Chief Creative Officer of the London-based ebook publisher TouchPress.



Nina Paley is the creator of the animated musical feature film *Sita Sings the Blues*, which has screened in over 150 film festivals and won over 35 international awards. Her adventures in our broken copyright system led her to join *QuestionCopyright.org* as Artist-in-Residence in 2008. Prior to becoming an animator Nina was a syndicated cartoonist. A 2006 Guggenheim Fellow, she also produced a series of animated shorts about intellectual freedom called *Minute Memes*. Nina began quilting in 2011 as a way to do something real with her hands after years of pushing pixels. She is currently making a new feature film called *Seder Masochism*.

AND THE CHILDREN SHALL LEAD



CAPRICON 37

AUTHOR GUEST OF HONOR
★ **BETH REVIS** ★

ARTIST GUEST OF HONOR
NILAH MAGRUDER

FAN GUEST OF HONOR
MEG FRANK

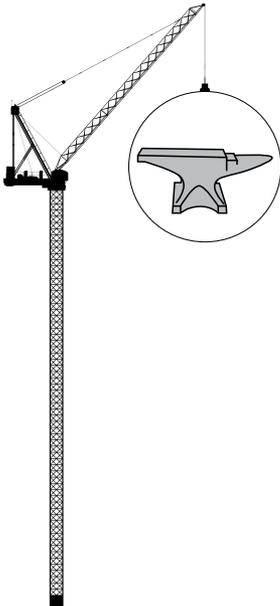
FEBRUARY 16-19, 2017
WESTIN CHICAGO NORTH SHORE ★ WHEELING, IL

Special Guests

Loren Damewood



Loren Damewood has spent most of his life tying knots. The fascination began with knots his older brother learned in the Navy. While many people would see only string, Loren saw beauty as well. Growing up, he was surrounded by people who constantly made things – tools, decorations – whatever was needed, with whatever was at hand. So it was no surprise that Loren used his knot work as decoration. The road from fancy knot work in string and rope to the unique jewelry he makes today was not a short one. His first attempts at rings went slowly as he taught himself about working with wire. Loren frequently makes his own tools from chopsticks and coat hangers and even draws his own wire. Loren not only has mastered the art of knotwork in wire, he still works in string and cord, and teaches the creation of intricate knotwork in both fiber and wire.



Talis Kimberley



Combining the magical and the everyday with a deft hand and a unique viewpoint, Talis Kimberley is a performer to watch.

Working either solo or with her band, Talis is equally at home in the intimate setting of an Arts Centre or on a festival stage. Her material deals with subject matters as diverse as Quince Jelly, Peak Oil, and the hypothetical BBC commentary on Greek history. She works with guitar and bouzouki, and has particular fun layering harmonies with her band, all of whom sing. Bassoon and whistles, trumpet, and plenty of acapella arrangements can all feature in a full Talis concert set.

Talis has been writing for many years, and is a celebrated comic-script author as well as a prize-winning songwriter. Like all the finest authors, her creative voice has changed over the years so she presents something new with every gig or album. All of Talis's studio recordings are available through iTunes and CDBaby, she also showcases topical and very new material through her Bandcamp platform.

If asked to list what she does in her spare time, Talis may laugh at the concept. Here is a writer and performer who fills every moment with all the good things that life has to offer – music, creativity, song, family, friends and laughter. Her world spills into her songs – cats and patchwork, ghosts and gardens, journeys within or without, the secret lives of teabags and just what *did* Lady Macbeth say to Helen of Troy?"



Staff

Executive Board

Liana Winsauer
Mary Otto
Dale Sulak
Betsey Langan
David Ifversen

Convention Chair

Chair:

David Ifversen

Vice Chair:

Andrea Hawkins-Kamper

Treasury

Dale Sulak

Technical Services

Network & Web Administration

Dave Ifversen
Ron Winsauer

Audio, Visual, & Lighting:

Dave Ifversen
Eric Jones

Public Relations

Guest of Honor Liaison:

Josh Esler

Hotel Liaison:

Pete Richardson

Publications & Signage:

Liana Winsauer

Logistics:

Robin Winsauer

Photography:

Teresa Prahl

Member Services

Operations, Security & Gophers:

Isaac Armstrong
Katie McNatt
Penelope Skrzynski
Jillian Denise

Vendors:

Kerry Kuhn

Registration:

Head: Betsey Langan
Second: Rachel Tucker
Erik Wessing
Kelley Trombly-Freytag
Diana Clarke

Hospitality Suite:

Head: Karen Edwards
Second: Kathy Horning
Marie Denise Czech
Joe Deer
Jan DiMasi
James (Zach) Fulkerson
Vida Goldstein
Holly Hamilton
Jason Neerenberg
Jessica Rich
Paul Rich
Maria de los Santos

Programming

Chair: Xap Esler

Pat McManamon
Karen Hawkins Kamper
Ron Winsauer
Rachel Esler
Wendy Zdrodowski
Dwayne Forsyth
Andrea Hawkins-Kamper
Jason Betts
Dale Sulak
Ward Christensen

NOVEMBER 11-13, 2016 - LOMBARD, IL

WINDYCON 43



**KING
OF THE
NERDS**

WWW.WINDYCON.ORG

Author GoH
Adam Selzer

Artist GoH
Art Baltazar

Music GoH
Ookla the Mok

Costuming GoH
Nerd Circus

Fan GoHs
Doc & Anne Passovoy

Toastmaster
Tanya Huff

Programming

What do the Icons Mean?



Writing

Why yes, some programs could get more than one icon! We've picked one for each item.



Performing Arts

Acting, dancing, and other performing arts that aren't strictly musical.



Music

Music and music-related programming.



Blinkies & Electronics

Tinkering (mostly) with things that blink and go "beep".



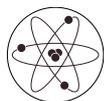
Dangerous Fun

Fire and high voltage, oh my! Includes safety seminars.



Visual Arts

2-D and 3-D arts of various kinds, including computerized creativity.



Science

At heart, many of us are nerds, and we can't have a convention without science.



Special Events

Those things that defy categorization.



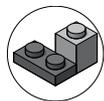
Fiber Arts

Fabric, weaving, spinning, and all those other wonderful stringy hobbies!



Building & Making

Yes, lots of the other categories are hands-on, too. But we like this icon.



Youth Programs

Activities especially for the kids and the kids-at-heart!

Class Registration & Kits

Some sessions are limited in size or have limited materials available, and may include a fee (set by the Muse). We have noted these sessions; please sign up at the Registration desk or online.

Reminder: if you did not register for a class with that requirement you may not attend without prior approval by the Muse/session host.

Kits/materials will be distributed by the Muse at the relevant session; these are **not** available at Registration or Operations.

A Note on Allergies

A special note to people with allergies: As a small, volunteer-run convention, we do not have a lot of space. This means that all of our sessions and events occur in limited shared places throughout the weekend. If you are allergic to a particular substance please understand that MuseCon cannot ensure that you won't be exposed to that substance during the convention. We ask that you carefully read the descriptions for the

sessions that you are interested in attending – if you are allergic to wool, for example, please do not sign up for a workshop to create a object made with wool components!

Additionally, if your sensitivity is particularly strong, we recommend that you check the schedule for the rooms that your sessions will be in to see if something occurring prior could leave traces that might lead to problematic exposure.

Give Us Your Feedback

Please take a few moments to let us know how things went! Survey forms are available in each function room, at our main Operations desk, and through the link on our website.

Completed paper forms should be placed into the boxes located at the back of the Lakeshore Ballroom or Operations.

Open Programming

Not all of the opportunities at MuseCon run on a schedule; in fact some don't even have a specific "home base"!

MuseCon's Open Programming consists of Open Builds, Solder World, Workshop and Salon gatherings, "DIY Session" opportunities, the Studio Group, the Coloring Corner, and "Ask Me About..." assistants!

In addition to Solder World, Stanford will host our Open Workshop, featuring space to gather and work on your own tool-intensive projects in a friendly and helpful environment. Meanwhile, Marlborough plays home base to our Salon Group, a likewise-helpful and friendly gang of fiber, textile, and visual arts folk. You can find our newest addition, the Coloring Corner, right next door in Leighton. Come play with us and let your creativity loose!

Coloring Corner

Welcome to the *Color On! Magazine* Coloring Corner! Join us for a full weekend of coloring fun, sponsored by *Color On! Magazine*. Coloring has been proven to be an excellent way for people of all ages to reduce stress, and books with designs for the adult colorist have been some of the best sellers on Amazon during the last year. Come check us out in Leighton!

Our coloring book artists are happy to help you learn new coloring techniques, and will also have books available for

purchase. They will be thrilled to autograph them for you too! Check the schedule in the Corner to see when each artist will be available. A couple of our artists are also planning to teach workshops - see the full MuseCon schedule for times.

Note: We will have various coloring tools for you to try, but please bring your own as well, as our supply is limited.

Coloring Corner hours:
3:00 pm - 9:00 pm Friday
9:00 am - 9:00 pm Saturday
9:00 am - 2:00 pm Sunday

Open Programming Ask Me About...

Looking for a simple way to get a bit of help on a topic but missed the class? Having trouble with a technique not covered this year? Or there's just this one quick question on how that thing over there works... We all love the creative, collaborative, encouraging atmosphere at MuseCon, but sometimes it can be slightly tricky to find the right person to help with a particular issue.

Our solution? Look for someone wearing an "Ask me about" badge sporting a ribbon for your topic. Worn by knowledgeable

people, they can be found all around our convention. Whether you have questions about particular topics, or MuseCon itself, these are people who will be happy to work with you!

Like many things at MuseCon, this is a community effort. Do you have skills & knowledge you're willing to share with others? Please stop by our Operations & Registration area for more information and to request your own badge, plus ribbon(s) to show what **you** can advise on. We're always looking for more contributors.

Open Builds

Stanford is home to Solder World and other Open Build sessions: featuring blinkies, stained glass, and a variety of free-form construction and learning opportunities. Additional Open Build sessions can be found in The Salon (in Marlborough), and the Coloring Corner (in Leighton). Please check the signs outside each space to see what Open Builds are available at any given time.

Descriptions of Open Build activities begin on page 21.

Note: Stanford hosts projects involving solder. Please keep this in mind if you have relevant sensitivities. Due to the extensive use of solder and flux, food and open beverages are **not** allowed in Stanford.

In the spirit of the free for all, one free atomic Musecon blinkie, bird house, and catapult per membership may be built in the workshop room. We have no problem selling additional ones, as those monies will go toward making additional kits available for others who want to try their hand at soldering and woodworking.

Open Programming Workshop & Solder World

Solder, heat, creation! Stanford is the place to work on projects in stained glass and build blinkies.

What's a blinkie, you ask? Why, those cool badges made of circuit boards and LEDs. There's a free beginner blinkie building session in Stanford from 9:00 – 11:45 am Saturday morning, featuring the Atomic MuseCon blinkie, and the room will be open for blinkie construction most of the weekend.

We have stained glass kits in a variety of skill levels and sizes. Techs will be available most of the weekend to guide you through the steps needed to turn your kit into a piece of art.

Full descriptions, including pictures and prices, will be posted in Stanford; stained glass information can be found in the Open Builds section.

Due to the extensive use of solder and flux in this space, food and open beverages are **not** allowed in Solder World.

Muse Salon

Welcome to the Muse Salon! From fiber to traditional art, jewelry making, and just about anything else you can imagine, we're happy to have it in Marlborough. The center of the Salon features an open format "come as you are" setup where you can grab a chair & knit, sketch, braid, etc., while hanging out with fellow creators and crafters. We'll also have a variety of equipment and technique demonstrations going on, including spinning, calligraphy, chainmail, and costume repair. As a backdrop to this dynamic environment we will be featuring displays of completed projects from our Muses as well

Which includes you! If you've made something in one of our sessions that you'd like to share & show, bring it to our Muse Salon and display your work for all to see. There are no reservations required, but display space is somewhat limited so will be allocated on a first-come, first-served basis.

The Muse Salon will be open:
3:00 pm - 9:00 pm Friday
9:00 am - 9:00 pm Saturday
9:00 am - 2:00 pm Sunday.

(note: all displays must be picked up by 3:00 pm Sunday afternoon)

Open Programming

DIY Sessions

Inspired to share your favorite form of creativity with others? We have a limited number of rooms available for on-site registration. Just stop by our Operations headquarters (next to MuseCon Registration) to reserve a slot, make some signs to advertise, and inspire your fellow attendees! Please see our programming team if you have any questions.

You!

DIY Session
Various
locations



Blinkies

Caffeine! As far as we can tell, we are the only ones who have done molecular circuit board art of this type. A very alert molecule, and we hope you enjoy building it. You also have the option of customizing your blinkie with different LEDs for an additional charge.

Our Blinky Overlords

Build a Blinky
Caffeine
Stanford

\$10 material fee
Limited no. of kits



OP01

Theobromine! As far as we can tell, we are the only ones who have done molecular circuit board art of this type. A very happy molecule, and we hope you enjoy building it. You also have the option of customizing your blinkie with different LEDs for an additional charge.

Our Blinky Overlords

Build a Blinky
Chocolate
(Theobromine)
Stanford

\$10 material fee
Limited no. of kits



OP01

*Pictures of Caffeine and Chocolate Blinkies
on page 33*

Open Programming



OP01

Build a Blinkie MuseCon Atom

Stanford

Free!

Limited no. of kits



This is a super-easy-to-build blinkie that you can wear with a lanyard or pin. This small 3.25in by 3.0in double-sided circuit board has a tie-tack pin for wearing. The board material is extra thin and thus is very light. The atomic blinkie supports 3 smart LEDs in a variety of colors. A special thanks to MSKirvin for the artwork! This blinkie was designed specifically for MuseCon and was introduced at Musecon 2012. It has proved so popular that we've had several runs: red, blue, white, black, and now green. Collect the whole set!

Our Blinkie Overlords

Open Builds



OP02

Fiber Buffet Marlborough

Stop by for demonstrations & displays of handspinning, beginning beading, felting (wet and needle), knitting, kumihimo, and possibly macrame and other needle crafts.

Jeanne DeVore



OP03

Open Arduino Build a Robot Stanford

\$30 material fee

Limited no. of kits

Do you know what would be really cool? To build a robot that was controllable either as a "line follower" or with your smartphone. We could have done a crowd sourcing effort, but that would have required us to spend time creating those incredibly slick marketing videos, embedded in an expensive webpage. Forget that – we'd rather work on actually creating the kit. We love it, and we know you will too. Oh, they tell us we need to put in a disclaimer – smart phone not included.

2D Kits

Open Programming

We are going to cast glass! And very special glass it will be. We have acquired some special frit (aka raw crushed glass) that will be used to make a UV fluorescing medallion. In the past, this has been known as depression or vaseline glass. There will be a mold, and various types of frit to customize your medallion.

There is a cutoff time of Saturday at 3pm, as enough time will be needed to fuse the glass and begin the long kiln cooling period. Unfortunately, we only have space (in the kiln) and time (during MuseCon) to make approximately 8 medallions, so sign up to ensure your place.

Teri Prah, Dale Sulak

This is a nine piece, roughly 2.375in x 2.75in stained glass kit. And, as a bonus, requires molten metal to build!

So, what exactly is this? It is the comedy portion of the mask set one would see in conjunction with theater, with its history rooted in ancient Athens. Yes, way way back! Check out Thalia, the muse of comedy, for a dose of history.

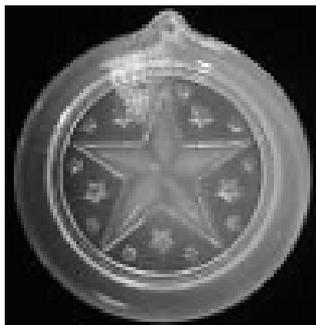
You get a kit with the glass already cut for the pattern, copper foil, brass wire, and solder, with as much (or as little) help as desired.

**Hot Glass
Frit Fusing**
Stanford

\$5 material fee
Limited no. of kits



OP04



**Stained Glass
MuseCon
Mask**

Stanford
\$12 material fee
Limited no. of kits



OP05



Open Programming



OP05

Stained Glass – 14” Panel With Beveled Insets

Stanford
\$45 material fee
Limited no. of kits

Oooh – shiny and colorful! It’s an impressive 14in square panel with beveled insets. And, as a bonus, requires molten metal to build!

You get a kit with the glass already cut for the pattern. Note: each kit features different colors and textures of glass – choose from currently-available options on pickup. Also provided are copper foil and solder, with as much (or as little) help as desired.

2D Kits



OP05

Stained Glass – Panel With Engraved Cen- ter Bevel

Stanford
\$45 material fee
Limited no. of kits

Oooh – shiny and colorful! It’s an impressive 19 piece, 8.5in x 11in stained glass panel with a 5x7in bevel in the middle. And, as a bonus, requires molten metal to build!

You get a kit with the glass already cut for the pattern. Note: each kit features different colors and textures of glass – choose from currently-available options on pickup. Also provided are copper foil, and solder, with as much (or as little) help as desired.

2D Kits



OP06

2D Kits String Bracelets

Sometimes referred to as “sailors bracelets” or “friendship bracelets”, these are circular braids tied in cotton twine using a printed guide wrapped around a form. Open to all, but suggested for ages 8+.

Plain string is free, fancy string may be provided to enhance the more successful results.

Bonus projects available for the dedicated enthusiasts.

Loren Damewood

Open Programming

Missed the class, but still hoping to build a telescope? Subject to availability, stop by our Workshop to build one of these simple, yet effective, telescopes. You'll be taken you step-by-step through the process, after which you'll be ready for the next star-gazing opportunity.

Matt Alschuler

Marlborough

**Telescope
Open Build**

Stanford

\$5 material fee

Limited no. of kits



OP07

Do you like bats and hate mosquitos? Then, simply, you must build this kit. Ah, but the big question – will bats actually take up residence? The answer is yes, at least where I placed mine. This is a two-chambered cedar bat house; easy to build and easy to mount.

2D Kits

**Woodworking
– Bat House**

Stanford

\$15 material fee

Limited no. of kits



OP08

This year we are bringing back the immensely popular wood kit project, the bird house!

Dwayne Forsyth

**Woodworking
– Free-For-All
Bird House**

Stanford

Limited no. of kits



OP09

This year we are bringing back the immensely popular wood kit project, the table-top catapult! We typically think of a catapult being used in the Middle Ages to destroy the walls of a castle, but catapults have a very long history dating long before the time of castles. Catapults were developed in many different ways by many different cultures over the centuries (Yawn). Ok, enough history, we know you just want to build one to launch mini marshmallows and dominate all those who oppose you!

Dwayne Forsyth

**Woodworking
– Free-For-All
Catapult**

Stanford

Limited no. of kits



OP10

Scheduled Programming

Friday, 1:30 - 2:45 pm



101

**Basic
Concepts of
Self-Defense**
Barrington

This class will teach how to deal with conflict from both a mental and a physical perspective: When to run and when to fight; and if you absolutely have no choice but to fight how to do so effectively.

Eric Jones, Jason Neerenberg



102

**Medieval
Illumination
& Calligraphy**
Carlyle
Until 4:15 pm
\$15 material fee
Limited class size

During the Middle Ages the written word ushered in a time of unprecedented growth in knowledge and communication. But when every manuscript had to be laboriously created by hand they were also beautiful examples of craftsmanship. In this class you'll learn some basic calligraphy (lettering) and illumination (painted initials) techniques. Materials fee covers a complete kit that you will take home to continue your practice (pen, nib, brush, paint, paper, etc.), but you are also welcome to bring your own supplies. Attendees under 12 years of age must bring supervision.

Katje Sabin



103

Paper Beads
Edwardian
Limited class size

Learn to cut and roll paper beads to create jewelry, garlands, and other artwork. Explore how different types of paper vary your creations. An excellent and easy craft if you like recycling! Bring a rotary cutter, cutting mat, and metal ruler if you have them (not required).

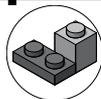
Cathy McManamon

Friday, 1:30 - 2:45 pm

Stretch your imagination! Join us for some less-structured time as we see what we can create.

Rachel Esler

**Friday
Free Play**
Hampton



104

Learn the basic layers of Japanese-style clothing, how to wear it, and how to make it, including working with plus-sized bodies. This class is not intended to make accurate clothing that will pass intense scrutiny, instead we'll concentrate on making pieces that will look good, be comfortable, won't break the bank, and are fairly easy to make. We'll have a willing victim to play dress-up with, and we'll cover the construction process.

You'll receive handouts with diagrams and instructions for making your own kosode (robe) and hakama (trousers).

Liana Winsauer, Ron Winsauer, Xap Esler

**Easy
Japanese-
Inspired
Cosplay**
Trafalgar



105

Friday, 3:00 - 4:15 pm

Mary Crowell is a singer/songwriter and piano teacher who loves playing Dungeons & Dragons on both sides of the GM's screen. She may be seen performing and accompanying concerts on piano and occasionally clarinet. Her lyrics that are quirky, geeky, funny, or sad, and generally lots of fun!

Mary Crowell

**Mary Crowell
Concert**
Lakeshore



105.5

Build a simple, yet effective, telescope. We'll take you step-by-step, and then you will be ready to test out your telescope during the Friday night star-gazing. (Weather permitting, of course)

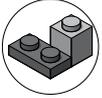
Matt Alschuler

**Build a
Telescope**
Edwardian
\$5 material fee
Limited class size



106

Friday, 3:00 - 4:15 pm



107

Open Gaming for Kids Hampton

Play a game! Find a new favorite and make new friends too! Wash and the Kids Programming folks will have a pile of games geared towards our younger attendees for sharing and playing.

Wash Esler, Rachel Esler



108

Needle-Felt a Dragon Pt. 1 Trafalgar \$10 material fee Limited class size

Learn needle-felting techniques to create a fiber sculpture. Fee covers all you need to complete this project, though additional tools and supplies will be available for purchase at class.

Participants under age 10 **must** be accompanied by a responsible adult, as needles are very sharp!

Bonnie Somdahl, Becca Leathers

Friday, 4:30 - 5:45 pm



109

Chanting and Singing Lakeshore

How is chanting different from other kinds of singing? Why repeat the same 1-4 lines over and over? Learn simple chants from all over the world, how and why they are used, and how to make them dynamic and fun by adding harmonies, descants, and simple instrumentation. Participation is expected and all ages are welcome.

Cathy McManamon



110

Coloring 101 Carlyle

Learn some of the basics of coloring, including how to shade, use water color pencils, and how eyeshadow can make for a neat background on a coloring page. All the pages and coloring supplies for everyone to use will be provided.

Jeanette Wummel

Friday, 4:30 - 5:45 pm

Kerbal Space Program (KSP) has brought computer gaming crashing into a space simulator. In KSP, you build rockets, launch them into space, do **science!**, build space stations and moon bases, do **science!**, and travel to other worlds, and do more **science!** Kerbal Space Program is like being a kid in a candy store the size of the solar system!

Bob Trembley

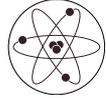
Make your own yarn! This class will be an introduction to creating yarn. You'll learn about fiber, drafting, twist and plying, see a spinning wheel at work, and get hands-on practice with a drop spindle and fiber. Spindles and fiber will be provided, but if you have your own spindle, feel free to bring it. Ages 8 & up (or with prior consent from instructor)

Jeanne DeVore

Referred to as "sailors" or "friendship" bracelets, these are circular braids tied in cotton twine using a printed guide wrapped around a form. Teen or adult aides for those under 8 recommended.

Loren Damewood

Kerbal Space Lab
Edwardian
Limited class size



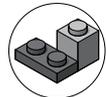
111

Beginning Handspinning
Trafalgar
\$5 material fee
Limited class size



112

Youth String Bracelets
Hampton



113

Friday, 7:30 - 8:45 pm

Welcome to MuseCon! Meet our Guests and find out what we've got in store for you over the weekend. Immediately after we will be screening a portion of GoH Nina Paley's current feature-film-in-progress, *Seder-Masochism!* This is not the finished movie, but 40+ minutes of core musical scenes, animated in Flash! Let's watch it together.

Dave Ifversen, Staff, Theodore Gray, Nina Paley, Talis Kimberley, Loren Damewood

Opening Ceremonies & Advanced Film Screening
Lakeshore



114

Friday, 7:30 - 8:45 pm



115

Making Patterns from Existing Clothes
Barrington

Finally found a pair of pants that fit and wish you had 5 of them? Found the perfect jacket at Goodwill but it's falling apart? We can make that happen. We'll review the concept of "reverse-engineering" a garment to make a pattern, and demonstrate 3 different techniques (pin-poke, bluetape, and disassembly) you can use to copy a garment.

Wendy Zdrodowski



116

High-Speed Photography Using an Arduino
Carlyle

With some inexpensive parts and persistence you can catch those elusive high-speed shots. This setup uses an Arduino as the controller; cheap shutter release cable; a flash unit; and a piezo element as a sound sensor. We'll explain the circuit and sketch (program) and walk you through the process, with a demo, of getting that cool shoot of hidden action.

Pan, Ken Beach

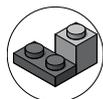


117

Basic Chainmail Weaving Edwardian
\$3 material fee
Limited class size

Learn to create jewelry starting from just little rings. We will be using the European 4-in-1 weave to make a bracelet. The fee covers the rings and printed instructions. Please bring 2 pairs of small pliers. The instructor has extra for loan during the class, but not many.

Jason Betts



118

Youth Origami
Hampton

Ready to go beyond fortune tellers? Join us for some paper-folding fun.

Rachel Esler



119

Introduction to Rubber Stamping
Trafalgar
Limited class size

Introduction to basic rubber stamping techniques, and an opportunity to have a little papercrafting fun. Supplies will be provided, but bringing your own scissors or paper trimmer may help speed things along. A wide selection of rubber stamps will be available for use.

Kerri-Ellen G. Kelly

Friday, 9:00 – 10:15 pm

A writer and performer who fills every moment with all the good things that life has to offer: music, creativity, song, family, friends and laughter. Talis lets her world spill into her songs. Her compelling lyrics are wrapped in multi-layered melodies and arrangements which showcase the music perfectly. You can never be sure whether Talis' next song will move you to tears, laughter, dance, or all three!

Talis Kimberley, Barry Childs-Helton, Sally Childs-Helton, Morva Bowman, gundo,

**Talis
Kimberley
Concert
Lakeshore**



120

A new spacecraft arrived at Jupiter in July. Juno's mission is to orbit the giant planet, studying its powerful magnetic field, intense radiation belts, and intricate interplay of particles and energies surging through nearby space. Bill Higgins reviews Juno's role in gathering clues to the formation and evolution of Jupiter.

Bill Higgins

**Return to
Jupiter:
NASA's Juno
Mission
Carlyle**



121

We're going to create with Jamberry nail wraps! We'll have black & white (or black & clear) designs you can color to create one-of-a-kind nail designs. Session fee includes enough wraps for ten fingers.

Mary will help you apply the wraps during the session, or in the Coloring Corner.
Mary J. Winters-Meyer (Color On! Magazine)

**Pretty Nails!
Color Your
Own Nail
Wraps**



122

*Edwardian
\$10 material fee
Limited class size*

First drafts need to be cleaned. At the least you want to make them good enough for a human editor to read. Clif will discuss several free and low-cost tools available to help you write better:

Find weak wording, passive voice, adverb abuse and more.

Clif Flynt

**Cleaning your
Prose
Trafalgar**



123

Friday, 10:30 – 11:45 pm



127

**Night Sky
Telescope
Viewing**
Friday
Outdoors

Join us outside and see the wonders of the night sky through Bob Trembley's telescope (weather permitting).
Bob Trembley

Friday, 10:30 - Dawn?



124

**Friday Open
Circle**
Lakeshore

Come one, come all, whether you sing, play an instrument, have a spoken piece, or just want to listen to the wonderful music. At times we'll be jamming, at times we'll all be listening to a wonderful number. A bit of filk, a bit of folk, a bit of rock...all are welcome here. Whether it's your first time, or you're an old hand, come and participate.
You!



125

**Friday
Alternate
Music**
Barrington

More space for singers, instrument players, and listeners to gather and do their thing. As with the Open Circle in Lakeshore, at times we'll be jamming, at times we'll all be listening to a wonderful number... a bit of filk, a bit of folk, a bit of rock – all are welcome here.
You!



126

**Friday Night
Gaming with
Wash**
Edwardian

Step right up, test your skills! Come on down to a MuseCon gaming night! We have all types of games: adventure, mystery, co-op, backstabbing, cards, boards, family favorites and ones you've possibly never heard of before! Spend a few hours meeting new people and learning new games.
Wash Esler

Saturday

9:00 - 10:15 am

Enjoy one of the premier screenings of a Star Wars fan film by Darren J. Crawford.

Set between Episodes III and IV, we watch a newly-formed Rebellion tries to curb the Emperor's plans for galactic expansion.

Darren J. Crawford, Dave Ifversen

Screening:

Star Wars:

**Forgotten
Realm**

Lakeshore



201

Tying a Turks-Head knot in two dimensions makes a snowflake-like pattern.

Each student will complete two, and earwires will be provided or made.

Loren Damewood

Silver Turk's-

**Head Mat
Earrings**

Barrington

\$40 material fee
Limited class size



202

Adobe Lightroom is an affordable and powerful program that allows you to organize, find, process, and repair your photos. We'll cover the basics of setting up a catalog, tagging pictures for easy retrieval, and using some of the often overlooked tools to improve, embellish, or repair your shots.

Leslie Larkins

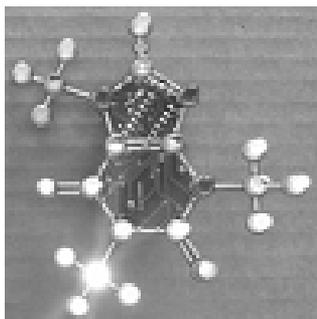
Goodbye Dark

**Room, Hello
Lightroom!**

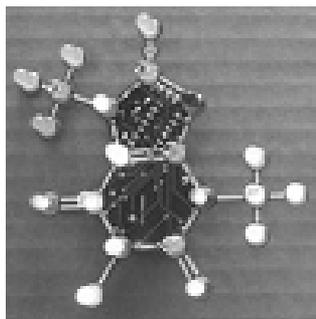
Carlyle



203



<-- Caffeine and
Chocolate -->
Molecule Blinkies



Saturday, 9:00 - 10:15 am



204

Upsizing your pattern Edwardian

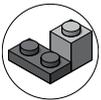
Let's face it – it's tough for us larger folks. It's hard enough that we can't find ready-to-wear clothing that fits us, but even commercial patterns often let us down. Fear not! Scaling up a pattern can be a fairly simple process, once you understand the basics. You can scale up the whole thing, or just part of the pattern to fit your needs. Instructor will demonstrate with a full-sized pattern, and students will use scaled-down pattern shapes to practice the fundamentals. If there is a particular pattern you are interested in, please bring a copy, and we can use it as an example
Wendy Zdrodowski



205

Slide Rule Basics Trafalgar *Limited class size*

In the days before electronic calculators, engineers and scientists used slide rules to do complex math. Now you too can learn how to use the slide rule to multiply, divide, square a number or take a square root. No math skills are required beyond adding and subtracting! If you have a slide rule, bring it, but loaners will be available so you can get a hands-on experience of vintage computation.
Mike Bakula



206

Youth Pool Meetup Pool

Who wants to meet in the pool for some splash-time fun? Big kids welcome, too! No lifeguard/staff on duty! You **must** provide supervision for your kids!
Rachel Esler

Saturday, 9:00 - 10:15 am

Our Blinkie Overlords take over Stanford! This year's free blinkie session features the Atomic MuseCon Blinkie, now on its fourth incarnation - in green. This is a super-easy-to-build blinkie designed specifically for MuseCon. More details in the Open Programming section, starting on page page 18.

Our Blinkie Overlords

Free Blinkies
Stanford
Until 11:45 am
Limited class size



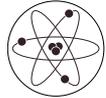
207

Saturday, 10:30 - 11:45 am

A discussion of all things asteroids, and what we need to know about them.

Bob Trembley

Asteroids & AsteroidDay
Lakeshore



208

Do you doodle? Still draw stick figures? Zentangles is a form of guided drawing that lets everyone create beautiful art, regardless of talent or experience level. Create Zentangles by drawing structured patterns while increasing your focus and creativity, and relieving stress. More at www.zentangle.com. All you need is a

tile (a 3.5 inch square piece of art paper), a 0.05 micron felt-tip pen and a little guidance. People ages 14 and up welcome; supply fee includes tiles and pen.

Sally Childs-Helton

Zentangles
Barrington
\$8 material fee
Limited class size



209

If you've always wanted to be able to read music but never got around to taking instrument lessons, here's your chance! Bring a pencil and your pattern-finding skills--music is a more consistent language than English, it just has more symbols. Treble/bass clef, note/rest values, time signatures, key signatures, and major scales will be covered.

Jen Midkiff

Music Theory
101: Pretty Black Dots!
Carlyle



210

Saturday, 10:30 - 11:45 am



211

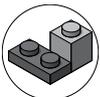
Shuttle Tatting 101 Edwardian

\$5 material fee
Limited class size

Learn the elegant art of shuttle lace, one of the simplest and most portable forms of lacemaking. We will cover tools, the double stitch, rings, chains, joins, pattern reading and more. Fee includes two shuttles and thread.

Note: This is a two-part class – plan to attend both sessions (10:30 am Saturday & 1:30 pm Sunday).

Xap Esler, Ron Winsauer



212

Giant Wall Mural! Hampton

Giant? Yes! On a Wall? Yes! What do you call that? A **mural!!!** Come doodle on this paper wall mural. Need some inspiration? Select from a hat, and doodle that! Will you draw a cat riding a unicycle? Or Batman driving an invisible car? Come draw with us!

Chris Barnes



213

Advanced Slide Rule Trafalgar

Limited class size

How do slide rules work? Can I make a slide rule? What are all the scales on an engineering rule? All these questions and more will be answered in Advanced Slide Rule. We'll get into the math of slide rules (just what is a mantissa?) and how slide rule scales are created. We will also look at how to use the trigonometric and log scales to do advanced operations. This class involves a little more math, but again, the slide rule is here to make our lives easier. This is a hands-on class. If you have a slide rule, bring it, but loaners will be available so you can get a hands-on experience of vintage computation.

Mike Bakula

Saturday, Noon - 1:15 pm

Looking for the chance to have a bit more quality chat time with our amazing guests? Join Theodore, Nina, Talis, and Loren for some conversation and tasty snacks (think cocktail party fare, but without the late hour).

Tickets are \$5/person. Note: space is limited, registration required

Karen Nagel, Theodore Gray, Nina Paley, Talis Kimberley, Loren Damewood, Dave Ifversen

**Guest
Meet-n-Greet**
Lakeshore
\$5 fee
Limited size



214

Saturday, 1:30 - 2:45 pm

Curious about trying a new musical instrument but you don't know anyone who plays what you want to play? Just curious about instruments in general? Join us to learn something about instruments including ukulele, guitar, mandola, keyboard, lap harp, horn/cornet/trumpet, trombone, recorder, violin, tambourine/frame drum, doumbek, renaissance bagpipes, and any others Kerri-Ellen can use brownies to bribe her friends to bring.

Kerri-Ellen G. Kelly

**Instrument
Petting Zoo**
Lakeshore



215

Squirrel and Pan discuss the basic rules of composition and how to apply them to your photography, drawing or other visual arts. This is a non-technical discussion designed for people interested in understanding how to use various elements in an image to improve impact and aesthetic appeal.

Ken Beach, Pan

**Basic Artistic
Composition**
Carlyle



216

Saturday, 1:30 – 2:45 pm



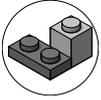
217

Beginning Arduino Saturday Edwardian

Limited class size

What's an Arduino, and what can I do with it? Learn about the open-source microprocessor platform widely used for hobbies, art, science, and music. We will put together a couple simple circuits and programs.

Garrett Hartwig



218

My First Short-Form Poetry Workshop

Hampton
Limited class size

In this class we will introduce and walk youth and young at heart through easy short-form poetry – haikus, blackout, and couplets. While this class is aimed at our younger attendees, anyone is welcome.

*Andrea Hawkins-Kamper,
Karen Hawkins Kamper*



218.5

Crafting Verses for Reading Aloud and Singing

Trafalgar

Writing song lyrics and poems, you can indulge in metaphor, stick to a story, or both. We'll help identify sources of inspiration, explore how words behave in a song and in a poem, and exchange tips on keeping your imagination robust.

Barry Childs-Helton

Saturday, 3:00 - 7:15 pm



MuseCon Marketplace Barrington

Check out our Marketplace from 3:00 pm until 7:15 pm to find supplies for your creations as well as the products of our vendors' creativity.

Saturday, 3:00 - 4:15 pm



219

Microphone Techniques Lakeshore

Learn how to select and use various microphones for instruments and vocalists. We will discuss and demonstrate different kinds of microphones and how to use them.

*Dave Ifversen, Bill Roper, Cathy McManamon,
Jason Neerenberg, Mike Nixon, gundo, Raven*

Saturday, 3:00 – 4:15 pm

Community and local politics have long been among Talis's passions. From shared composting and giving away rhu-barb, to a 2000-strong online community of her village neighbors and placing second as a Green Party candidate in the recent Borough (city) election, as well as serving as a Parish Councillor, Talis hopes to encourage and help you to Make Things Happen in your neighborhood

Talis Kimberley

**Creating
Communities**
Carlyle



Now that you have a basic Dragon, learn how to embellish him! Learn how to do fine detailing work in needle felting. Add fancy wings, horns, claws, tongues, and spikes.

Prerequisite: Needle-felt a Dragon part 1, Friday at 3:00. Fee includes Embellishment package

Bonnie Somdahl, Becca Leathers

**Needle-Felt a
Dragon pt 2**
Edwardian
\$5 material fee
Limited class size

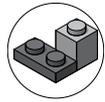


221

We'll explore the extensive park-like grounds outside our lovely hotel. We'll collect fallen leaves, pine cones, twigs, etc., as well as watch for wildlife (we've seen herons, swans, ducks, and snails--big ones!--in the past). When we return to the Youth Programming room, we'll use pens, markers, and other art supplies to render our discoveries on paper!

Jen Midkiff

**Nature Walk
& Art Session**
Hampton



222

This is a silver cuff-style bracelet that Loren uses to teach the management of wire in knot-tying. The work is done in two dimensions, and the instructions and tools are available, along with the instructor's close attention.

Loren Damewood

**Silver Celtic
Knot Bracelets**
Trafalgar
Until 5:45 pm
\$50 material fee
Limited class size



223

Saturday, 4:30 - 5:45 pm



224

**Riverfolk
Concert**
Lakeshore

Featuring the vocal and guitar harmonies of Becca Leathers and Chas Somdahl, Riverfolk plays a mix of folk and folk-flavored tunes, old and new. You'll hear songs that are familiar, songs that may not be, and songs that are original. See what kind of set they've created for us!
Becca Leathers, Chas Somdahl



225

**Seder-
Masochism
WIP
Discussion**
Carlyle

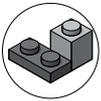
Guest Nina Paley answers your questions about her new feature-film-in-progress, *Seder-Masochism!* (screened Friday night during Opening Ceremonies). Put on your best thinking cap and ask away.
Nina Paley



226

**The
Technical
Photographer:
Photography
for Left-
Brained People**
Edwardian

Most photography books, blogs, and classes are produced by highly creative, "right-brained" people. Their artistic approach to teaching can leave more technically-minded folks at a loss. This session will cover camera lenses from a technical context, going over what, exactly, all those numbers mean, and how you can use that knowledge to better your photography.
Jay Kreibich



227

Song Time
Hampton

Join Rachel for some singing. Feel free to bring a song and a friend, but all that's needed is yourself. All ages & abilities welcome.
Rachel Esler



Saturday, 7:30 - 8:45 pm

A multimedia presentation on the giant quilting robot used to make the embroidery for the *Chad Gadya* animation, as well as the molecule and other quilts.

Will include a discussion of Theodore Gray's stitchcoding in *Mathematica*, which bypassed the restrictions inherent in most off-the-shelf software and allows automated and amazing results.

Theodore Gray, Nina Paley

**PaleGray Labs
Quilt Robot
Presentation**
Lakeshore



228

The centaur on the stairs? The fairy that took revenge on the door! Golfing wraiths in rainbow colors. Bring your ridiculous gaming stories to share.

Liana Winsauer, Ron Winsauer

**Ridiculous
RPG Stories**
Carlyle



229

Polymer clay is as easy to work with as playdough, but can also make extraordinary artistic jewelry. We'll cover the basics of the medium and make some simple but stunning-looking beads to take home. The materials fee will cover clay, tools and mica powders for decorating. Appropriate for tweens and older (razor blades and needles will be used).

Leslie Larkins

**Playing With
Clay: Polymer
Clay Bead-
Making**
Edwardian



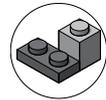
230

\$5 material fee
Limited class size

From goblins to ghosties and things that go bump in the night, come join us for stories that may give you a fright.

Rachel Esler, Jenna Bork

Ghost Stories
Hampton

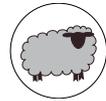


231

Basic hand-sewing techniques will be taught, including a discussion of some historical seams still in use. Garments hand-sewn by the instructor will be available to view. Needles, thread and fabric for practice will be provided, as well as scissors to share. Bringing your own small scissors will reduce your personal frustration while in the class.

Kerri-Ellen G. Kelly

**Hand-Sewing:
No Electricity
Needed!**
Trafalgar



232

Limited class size

Saturday, 9:00 - 10:15 pm



233

**Drum &
Dance Circle**
Lakeshore

Feel the Rhythm! Come join us in a celebration of the heartbeat of music itself. Bring your drums, marimbas, shakers, bells, hands, feet, movement and smiles. All levels of drummers and dancers are welcome.

Cathy McManamon, Jason Neerenberg, Sally Childs-Helton



234

**Freeform
Music**
Barrington

Singing, playing, listening – here’s a bit of space for all this and more. Once our Marketplace is closed up, feel free to gather for some informal music, crafting, and more of the freeform creativity MuseCon is known for! **Note:** actual start time is not exact, depends on room availability.

You!



235

**Making of
Star Wars:
Forgotten
Realm**
Carlyle

On January 16, 2006, *Star Wars:Forgotten Realm* began shooting its first scenes. This fan film, written and directed by Darren Crawford, produced by Margaret Miller, took 10 years of principal photography, audio and music creation and unbelievably complex special effects – all on no budget. Come and hear Darren & Technical Director Dave Ifversen speak about the (much longer than anyone expected!) journey, and it’s humbling & awe-inspiring end result (note: film will be screened at 9 am Saturday).

Darren J. Crawford, Dave Ifversen



236

**Advanced
Arduino**
Edwardian
Limited class size

Learn how to program the Arduino, and successfully connect it to different sensors and devices.

Randall Roman

Saturday, 9:00 - 10:15 pm

Back sore from hauling things into the convention? Neck stiff from a long week at work? Need some relaxation time to get you in the right mood for a fun week-end of making things? This is the class for you! Wind-down yoga will stretch you out in a gentle way. The focus will be on stretching, but you don't need to be flexible to be here. Options will be available for all levels, and we will find ways to work around any injuries.

Karen Nagel

Wind-Down
Yoga
Trafalgar



237

Saturday, 10:30 - 11:45 pm

Unrated, viewer discretion advised.

Sita Sings the Blues is a musical, animated personal interpretation of the Indian epic *The Ramayana*. Filmmaker Nina Paley focused on the relationship between Sita and Rama, who are gods incarnated as human beings, yet even they can't make their marriage work.

More information about the film at:
<http://www.sitasingstheblues.com/faq.html>

Dale Sulak

Join us outside and see Saturn's rings (and other wonderful things?) through Bob Trembley's telescope. (weather permitting)

Bob Trembley

Screening:
*Sita Sings the
Blues*
Carlyle



240

Night Sky
Telescope
Viewing
Saturday
Outdoors



242

Saturday, 10:30 pm - Dawn?



Saturday Open Circle *Lakeshore*

238

Come one, come all, whether you sing, play an instrument, have a spoken piece, or just want to listen to the wonderful music. At times we'll be jamming, at times we'll all be listening to a wonderful number. A bit of filk, a bit of folk, a bit of rock...all are welcome here. Whether it's your first time, or you're an old hand, come and participate.

You!



Saturday Alternate Music *Barrington*

239

More space for singers, instrument players, and listeners to gather and do their thing. As with the Open Circle in Lakeshore, at times we'll be jamming, at times we'll all be listening to a wonderful number...a bit of filk, a bit of folk, a bit of rock – all are welcome here.

You!

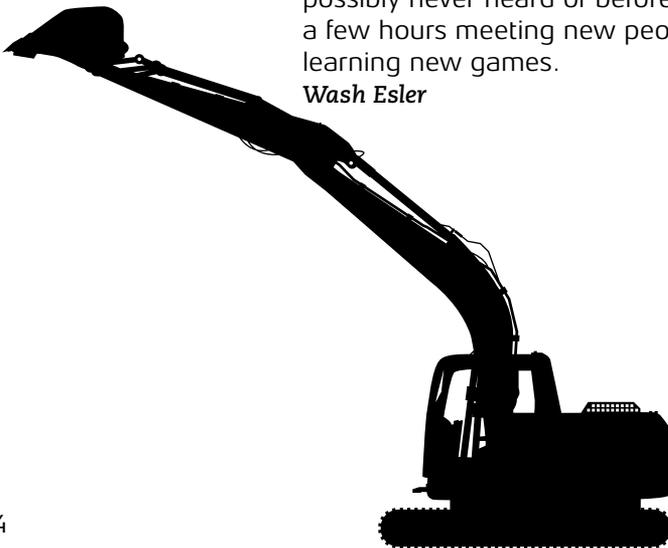


Saturday Night Gaming with Wash *Trafalgar*

241

Step right up, test your skills! Come on down to a MuseCon gaming night! We have all types of games: adventure, mystery, co-op, backstabbing, cards, boards, family favorites and ones you've possibly never heard of before! Spend a few hours meeting new people and learning new games.

Wash Esler



Sunday

9:00 - 10:15 am

What's where in the solar system? A full run-down on who has what where, what they're doing, and what's next on the missions.

Bob Trembley

Current Space Missions
Lakeshore



301

Believing that "Ideas aren't good or bad because of what licenses people slap on them." guest Nina Paley is an advocate of "copyleft", a form of licensing that can be used to maintain copyright conditions but is the opposite of traditional copyright. However she also goes a step further beyond copyleft, by stating that licensing, even copyleft licensing, is still part of the "permission culture" she advocates resisting. Join Nina to learn more about these concepts and practices.

Nina Paley

Copyright Is Brain Damage
Carlyle



302

What's an Arduino, and what can I do with it? Learn about the open-source microprocessor platform widely used for hobbies, art, science and music. We will put together a couple simple circuits and programs.

Garrett Hartwig

Beginning Arduino Sunday
Edwardian



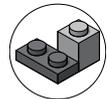
303

Limited class size

Introduction to weaving with rubber bands. Projects include several bracelet styles, animal charms and long chain finger weaving. There will be 4-5 looms available to borrow in the class. If you have a loom, please bring it.

Adam Richardson

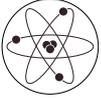
Crazy Loom
Hampton



304

Limited class size

Sunday, 9:00 - 10:15 am



305

I Killed My Lawn! *Trafalgar*

Traditional turf-grass lawns are monocultures - but nature abhors a monoculture, so it takes lots of energy, water, chemicals, and effort to maintain one. Rachel has embarked on a multi-year project to remove her lawn, enrich the soil, and create a healthier new mini-ecosystem. Come see what she's done so far, swap tips for Midwestern gardening, and transplant your own beet seedlings to take home to your in-ground or container garden.

Rachel Tucker

Sunday, 10:30 - 11:45 am



306

Mysteries of the Digital Sound Board *Lakeshore*

Digital sound boards are becoming the standard for live sound and recording. We will demonstrate how to set up and use a digital board for live sound on a stage.

Dave Ifversen, Bill Roper



307

Critter Crunch! *Barrington* Until 1:15 pm

Critter Crunch! "Mad scientists" (you) drive battle hardened robots. Your mission: destroy your rival! Don't have a robot? No problem! Bid on (rent) the "driving rights" of up to 30 robots... many are past champions. Bidding starts at \$1. (Cheap!) Proceeds will be donated to MuseCon's 501(c)(3) parent organization. Bizarre prizes awarded! CC Swag for all! Be There, Aloha!

*Jeff Wincentsen, Tony Kozlowski,
Carlos Garcia*

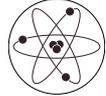
Sunday, 10:30 - 11:45 am

Everything physical is made up of the elements and the infinite variety of molecules they form when they combine. In *Molecules*, Theodore Gray takes the next step in the grand story that began with the periodic table in his best-selling book,

The Elements: A Visual Exploration of Every Known Atom in the Universe. Here, he explores through fascinating stories and stunning photography the most interesting, essential, useful, and beautiful of the millions of chemical structures that make up every material in the world.

Theodore Gray

Molecule Talk
Carlyle



308

Pin looms are an old fiber tool enjoying new popularity. The “grown up” version of the loop looms we made potholders with as kids, pin looms weave a continuous strand into small squares that can be used in various ways. Fee includes 4” pin loom, needle, and yarn.

Jeanne DeVore

Weaving on a Pin Loom
Edwardian

\$25 material fee
Limited class size



309

Kids (and parents who want to learn & play) are welcome to join in as we make rhythm with Boomwhackers, drums, shakers, our bodies, and voices. We’ll play rhythm games and work as a team to create some very fun music. No experience necessary to join in this family-friendly rhythm circle. Come play with us!

Sally Childs-Helton

Big Bang Rhythm Circle
Hampton



310

Learn a knot that resembles a butterfly... tied flat, for either a pendant or (two) for earrings.

Loren Damewood

Silver Celtic Butterfly Earrings
Trafalgar

\$35 material fee
Limited class size



311

Sunday, Noon - 1:15 pm



312

Improv Workshop Lakeshore

We'll begin with group warm-ups based on standard improv games and exercises. Later we will build on previous years' explorations of stage physicality & performer's voice, and then you get to ***invent an improv!*** Everyone is encouraged to think about something new and different in advance, and there will be plenty of sharing as well.

Michael Blake



313

Listmaking Workshop Carlyle

An inveterate listmaker and crosser-offer, Talis relies on pieces of paper to keep organised. House, garden, family; health, local politics, community projects; rehearsal schedule, gigs, songwriting, recordings and travel – but ***can*** you be organised and creative at the same time? For Talis, it's essential. But her lists aren't always linear, and she knows some tricks to stop them from overwhelming her... For those who'd like to be more organised, as well as those who are organised and have some ideas to swap.

Talis Kimberley



314

Making Music with Arduino Edwardian

Limited class size

Microcontrollers run all kinds of small devices, from fancy scientific devices to your TV remote. Arduino makes them easy to use in your own projects. Come learn how to make electronic noise-makers and instruments with just a handful of parts. No electronics or software experience required!

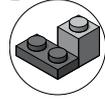
Garrett Hartwig

Sunday, Noon - 1:15 pm

Kids can learn to do a 3-strand “mystery” braid while making a snake wristband. A limited number of plain wristbands will also be available for the reptilian-averse. Best for kids 8 and up, younger kids may need the help of a grownup-in-tow.

Liana Winsauer, Ron Winsauer

**Braided
Leather Snake
Youth
Wristband**
Hampton

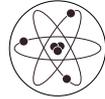


315

Join us outside and observe sunspots and prominences on our local star through Bob Trembley’s telescopes. (weather permitting)

Bob Trembley

**Daytime
Telescope
Viewing**
Outdoors



316

You need to be familiar with all of the concepts with Theory 101 (see description) to keep up in this class! We’ll start with triads & inversions, jump to Roman-numeral chord relationships, and hopefully throw in some jazz chords as well (what is an F#m9/#11, anyway??).

Bring a pencil!

Jen Midkiff

**Music Theory
102: Three’s a
Chord!**
Trafalgar



317

Sunday, 1:30 - 2:45 pm

Jen Midkiff brings her mix of harp and vocals (with bonus tenor guitar!) to MuseCon. A longtime Muse instructor, Jen will perform some new music from her soon-to-be-released second CD, “Collage”, as well as featuring some of her favorites from her first CD and from other folk performers. Prepare for an hour of stress-free sonic enjoyment!

Jen Midkiff

**Jen Midkiff
Concert**
Lakeshore



318

Sunday, 1:30 - 2:45 pm



319

Fiction Brainstorming

Carlyle

Limited class size

Torture your characters, interrogate your venue, take your nebulous ideas and turn them into stories. Bring an idea or character, plus paper and a writing instrument for a brainstorming gestalt. (ages 16+)

Cat Greenberg



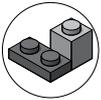
320

Shuttle Tatting 102

Edwardian

Part two – please see Shuttle Tatting 101, Saturday at 10:30 am, for more information.

Xap Esler, Ron Winsauer



321

Sunday Free Play

Hampton

Stretch your imagination! Join us for some less-structured time as we see what we can create.

Rachel Esler



322

MuseCon's Eternal Ukulele Summit 2016 Edition

We hold these truths to be self-evident: That your life with a uke is better than your life without one. That you can bring a uke or borrow a loaner. That all players are welcome at any skill level, including the ones who haven't started yet. And that anyone who thinks a blues progression in C is "too easy" isn't trying hard enough (we can fix that).

*Lisa Golladay, Pete Pollack, Bill Higgins,
Bryan Peterson*

Sunday, 3:00 - 4:15 pm

It's been a fun weekend at MuseCon, but now its time to show off what we've learned, meet our new Convention Chair, & say so long...until next year!

A feedback session will immediately follow Closing Ceremonies.
Dave Ifversen, Staff, Theodore Gray, Nina Paley, Talis Kimberley, Loren Damewood, Andrea Hawkins-Kamper

Trafalgar

Closing Ceremonies & Feedback Session



323

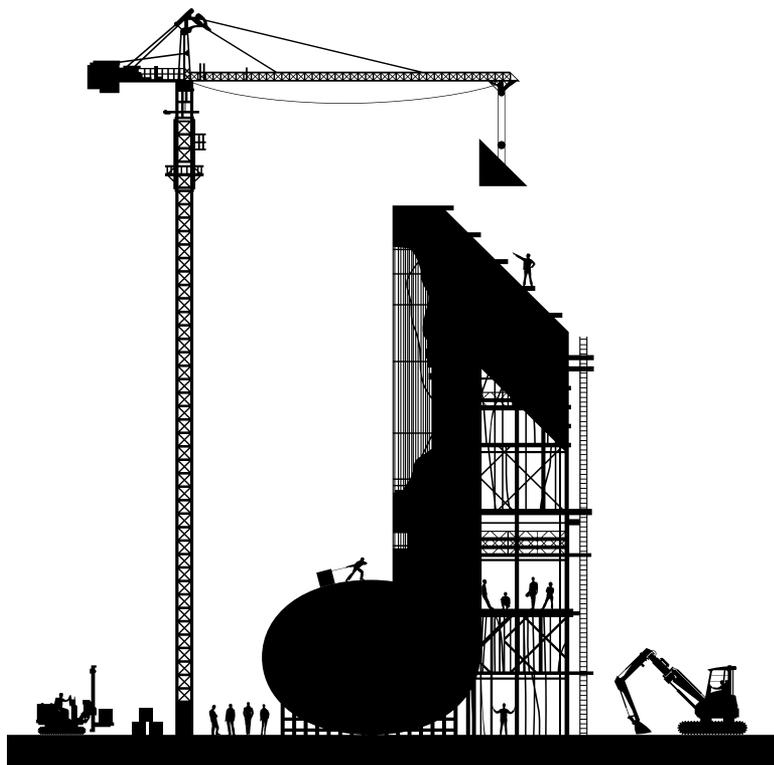
Sunday, 6:00 pm - ???

Barrington

Lakeshore

Come to our Necro-Muse post-con music party on Sunday evening – we'll be in the Barrington room, starting at 6 pm, as the creativity carries on for one last circle!

Necro-Muse



Friday Programming

Friday	Lakeshore	Barrington	Carlyle	Edwardian	Hampton	Trafalgar	Other
1:30 - 2:45 pm	Room Closed	101: Basic Concepts of Self-Defense	102: \$R Medieval Illumination & Calligraphy	103: R Paper Beads	104: Friday Free Play	105: Easy Japanese-Inspired Cosplay	
3:00 - 4:15 pm	105.5 Mary Crowell Concert			106: \$R Build a Telescope	107: Open Gaming for Kids	108: \$R Needle-Felt a Dragon Pt. 1	Room Closed
4:30 - 5:45 pm	109: Chanting & Singing		110: Coloring 101	111: R Kerbal Space Lab	112: Youth String Bracelets	113: \$R Beginning Handspinning	Room Closed
6:00 - 7:15 pm	Dinner Break						
7:30 - 8:45 pm	114: Opening Ceremonies & Advanced Film Screening	115: Making Patterns from Existing Clothes	116: High-Speed Photography Using Arduino	117: \$R Basic Chainmail Weaving	118: Youth Origami	119: R Introduction to Rubber Stamping	
9:00 - 10:15 pm	120: Talis Kimberley Concert		121: NASA's Juno Mission	122: \$R Color Your Own Nail Wraps		123: Cleaning Your Prose	
10:30 - 11:45 pm	124: Open Circle	125: Alternate Music		126: Gaming with Wash			127: Outdoors Night Sky Telescope Viewing

\$ = Material fee, see description R = limited class size, pre-registration recommended

Saturday Morning-Afternoon Programming

Saturday	Lakeshore	Barrington	Canyle	Edwardian	Hampton	Trafalgar	Other
9:00 - 10:15 am	201: Star Wars: Forgotten Realm	202: \$R Silver Turk's-Head Mat Ear-rings	203: Goodbye Darkroom, Hello Lightroom	204: Upsizing Your Pattern		205: R Slide Rule Basics	206: Pool - Youth Swim Meetup 207: Stanford Free Blinkies until Noon
10:30 - 11:45 am	208: Asteroids & Asteroid Day	209: \$R Zentangles	210: Music Theory 101	211: \$R Shuttle Tatting 101	212: Giant Wall Mural	213: R Advanced Slide Rule	
Noon - 1:15 pm	214: \$R Guest Meet-n-Greet				Lunch Break		
1:30 - 2:45 pm	215: Instrument Petting Zoo	Room Closed	216: Basic Artistic Composition	217: R Beginning Arduino	218: R My First Short-Form Poetry Workshop	218.5 Crafting Verses	
3:00 - 4:15 pm	219: Microphone Techniques	MuseCon Marketplace, until 7:15	220: Creating Communities	221: \$R Needle-Felt a Dragon, Pt. 2	222: Nature Walk & Art Session	223: \$R Silver Celtic Knot Bracelet	
4:30 - 5:45 pm	224: Riverfolk Concert		225: Seder Masochism Discussion	226: Photography for the Left-Brained	227: Song Time		

\$ = Material fee, see description R = Limited class size, pre-registration recommended

Saturday Evening Programming

Saturday	Lakeshore	Barrington	Carlisle	Edwardian	Hampton	Trafalgar	Other
6:00 - 7:15 pm				Dinner Break			
7:30 - 8:45 pm	228: Pale Gray Labs Quilt Robot Presentation	Room Closed	229: Ridiculous RPG Stories	230: \$R Polymer Clay Bead Making	231: Ghost Stories	232: R Hand-Sewing Basics	
9:00 - 10:15 pm	233: Drum & Dance Circle	234: Free-Form Music (time approx.)	235: Making of Star Wars: Forgotten Realm	236: R Advanced Arduino		237: Wind-Down Yoga	
10:30 - 11:45 pm	238: Open Circle	239: Alternate Music	240: Sita Sings the Blues Screening			241: Gaming with Wash	242: Outdoors Night Sky Telescope Viewing

Open Builds - Stanford, unless noted

- OP01: Build a Blinkie*
 OP06: String Bracelets - Marlborough
- OP02: Fiber Buffet - Marlborough
 OP07: \$R Telescope Open Build - **Not available Saturday AM**
- OP03: \$R Open Arduino Build a Robot - **Not available Saturday AM**
 OP08: \$R Wood Kit: Bat House - **Not available Saturday AM**
- OP04: \$R Hot Glass Frit Fusing
 OP09: R Wood Kit: Birdhouse - **Not available Saturday AM**
- OP05: \$R Stained Glass Workshop - **Not available Saturday AM**
 OP10: R Wood Kit: Catapult - **Not available Saturday AM**

* Free blinkie session Saturday morning, general Build-a-Blinkie all weekend

\$ = Material fee, see description R = Limited class size, pre-registration recommended

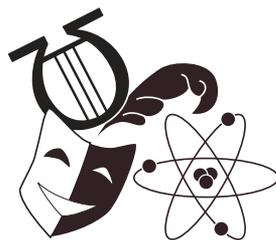
Sunday Programming

Sunday	Lakeshore	Barrington	Carlyle	Edwardian	Hampton	Trafalgar	Parking Lot
9:00 - 10:15 am	301: Current Space Missions	Room Closed	302: Copyright is Brain Damage	303: R Beginning Arduino	304: R Crazy Loom	305: I Killed My Lawn!	
10:30 - 11:45 am	306: Mysteries of the Digital Sound Board	307: (see description) Critter Crunch!	308: Molecule Talk	309: \$R Weaving on a Pin Loom	310: Big Bang Rythym Circle	311: \$R Silver Celtic Butterfly Earrings	
Noon - 1:15 pm	312: Improv Workshop		313: List-Making Workshop	314: R Making Music with Arduino	315: Braided Leather Snake Youth Wristband	316: Music Theory 102: Three's a Chord	317: Outdoors Daytime Telescope Viewing
1:30 - 2:45 pm	318: Jen Midkiff Concert		319: R Fiction Brainstorming	320: \$R Shuttle Tatting 102 (101 Req'd.)	321: Sunday Free Play	322: Ukulele Summit	
3:00 - 4:15 pm	323: Closing Ceremonies & Feedback						
6:00 - ?b		Necro-Muse Music Circle					

\$ = Material fee, see description R = Limited class size, pre-registration recommended

MUSECON

OUR MUSES MAKE A DEAL



With our Guest of Honor:

CATHERYNNNE VALENTE



We're looking at new hotels, please stay tuned for final dates and location.

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