Expanding the Experiential Library

Using Livestreaming to Adapt Hands-on Learning Spaces During a Global Pandemic

Colin Nickels (he/him) Experiential Learning Services Librarian Claire Cahoon (she/her) NCSU Libraries Fellow



Background - Experiential Learning

We can't allow access to spaces safely.



How do we share these spaces and services while remote? Show what they can do? Employ student workers? Provide drop-in help?

twitch

Zoom Poll: How much do you know about Twitch?

- → I've never heard of it
- → I've heard the name before
- → I've watched a few streams
- → I'm a regular user
- → I'm a Twitch streamer

What is Twitch?

A virtual space for interactive live broadcasting, specializing in community-created content.

Features:

- Share video, your screen, a game, and more
- Chat room
- Saved videos

NC STATE University Libraries

Digital Embroidery - Stitching Inkstitch/Inkstitch Designs • 23 days ago Makers & Crafting





Hi, I'm Andrew (He/Him)

⊙ 9 🛧 Share

♥ Follow

fibers not dissimilar to paper, so with some water it will degrade into pulp and wash out (eventually).

33:42 🛃 ncsulibraries_mod: Is the

Chat on Videos

I→

- 0:00 An elive! Sound and Video look good. Welcome everyone to the Makerspace stream!
- 0:23 🔀 librarianClaire: Hello!
- 2:04 IbrarianClaire: Is Inkscape a free tool?
- 2:33 🖌 librarianClaire: Got it
- 2:34 Second Seco
- 2:43 🔀 librarianClaire: Thanks!
- 3:55 Since and free. https://inkstitch.org/
- 10:22 Ancsulibraries_mod: Machine in use: Brother PE800
- 16:36 ncsulibraries_mod: Yeah. I believe the maximum hoop size is 5"x7".
- 17:27 ansulibraries_mod: You might want to re-stitch the graphic after resizing to reset the spacing between stitches. It might be a little too dense scaling that much.
- 18:51 Zacsulbraries_mod: I'll introduce myself so you can use my name. Hello everyonel I'm Nick (the streamer from yesterday).
- 19:41 Solution of the second secon
- 25:34 **Call it backer or tear-away**.
- 27:07 acsulibraries_mod: It's there mostly to provide an unstructured fiber mesh that will catch any stitches that sound cause stress during stitching. Some fabrics can be embroidered without it, but it assists in making sure holes aren't torn in the base fabric.
- 28:58 28:

32:19 Ancsulibraries_mod: It's made of

Similar Platforms

- YouTube Live
- Facebook Live
- Instagram Live

NC STATE University Libraries

NC STATE University Libraries

Hi, I'm Meghan (she/her)



Why Twitch?

• Approachable and widely used

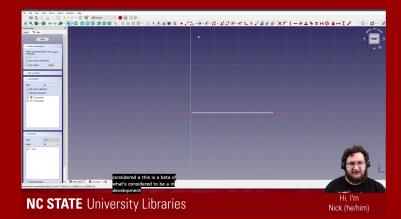
NC STATE

University Libraries

- Casual/informal
- Drop-in views (not fixed length)
- Anonymous
- Synchronous and asynchronous
- Browser and mobile accessible

Our Team

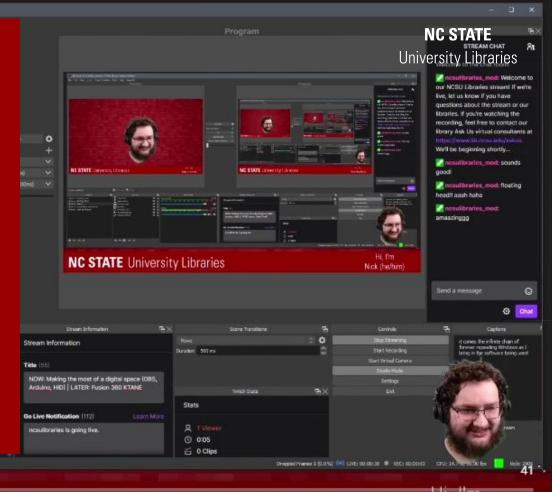
- 2 Librarians Fellows Initiative Background work, logistics, administrative tasks, scheduling... etc.
- 2 Staff Supervise students, physical setups, supply ordering, anything on site
- 6 Students Planning, delivering, and moderating streams
- Guests, Collaborators, and Advisory Group





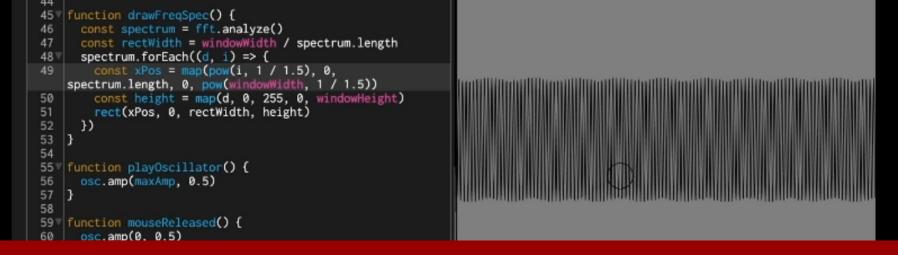
Technology:

- USB Microphones
- Document Cameras
- Webcams
- PC or Mac
- OBS Software
- Avermedia Pro 2 Capture Card
- Equipment based on content (3D Printers, DJ equipment, VR Headsets, etc...)



Nick (he

NC STATE University Libraries



Limitations

- Twitch's purpose isn't education
- Terms of Service for the Affiliate program
- Remote streams, remote streamers

How are we using Twitch?

- Drop-in Hours
 - Share spaces (Makerspace, VR Studio)
 - Demonstrations
- Special Guests
- Collaborations
 - Exam Wellness Week
 - Brickyard Broadcast



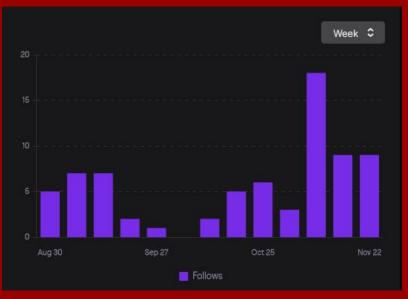


NC STATE University Libraries



Fall 2020 by the Numbers August 31 - November 20

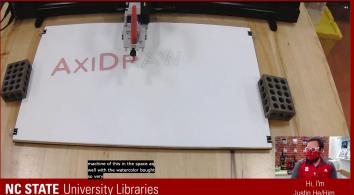
- 75 streams
- 17 different streamers
- Avg. of ~3 viewers per stream
- 106 followers



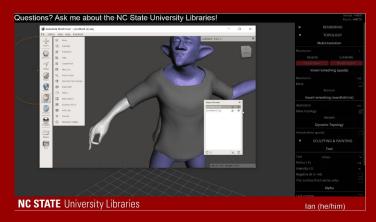
Follows by week, August 31 - Nov. 28, 2020

Production Value vs Preparation Time

- Compelling content can be easy
- Experiential learning spaces primed to create this kind of content
- The more time you invest the larger the impact you can have
- Partnerships can bring large audiences



Justin Ho/Hi



What's Next?

- Consistent Scheduling
- More Advertising and Outreach
- New Content Categories

Questions? -- <u>twitch.tv/ncsulibraries</u> Ask now or feel free to contact us later!

Colin Nickels crnickel@ncsu.edu Claire Cahoon cecahoon@ncsu.edu