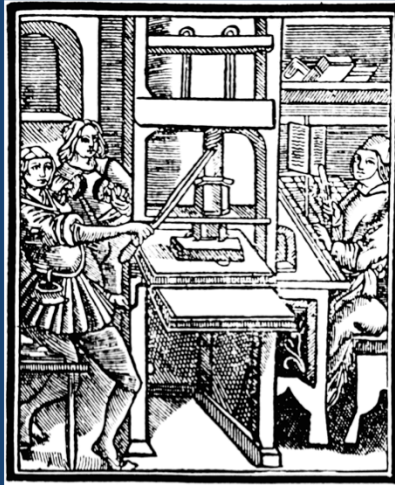# 21st century information fluency

Our students need and deserve better

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Jeff MacKie-Mason
University Librarian & Chief Digital Scholarship Officer

Gutenberg printing press – initiated an info revolution
 - enabled and shaped PR, R, SR
 - unleashed forces that transformed western civilization over next 600 years

HOW: lower cost of reproduction, higher accuracy

Gutenberg 2.0

Digital revolution: CUBED

TRANSFORMED: scarcity to abundance

Changes everything about information finding, evaluation, use
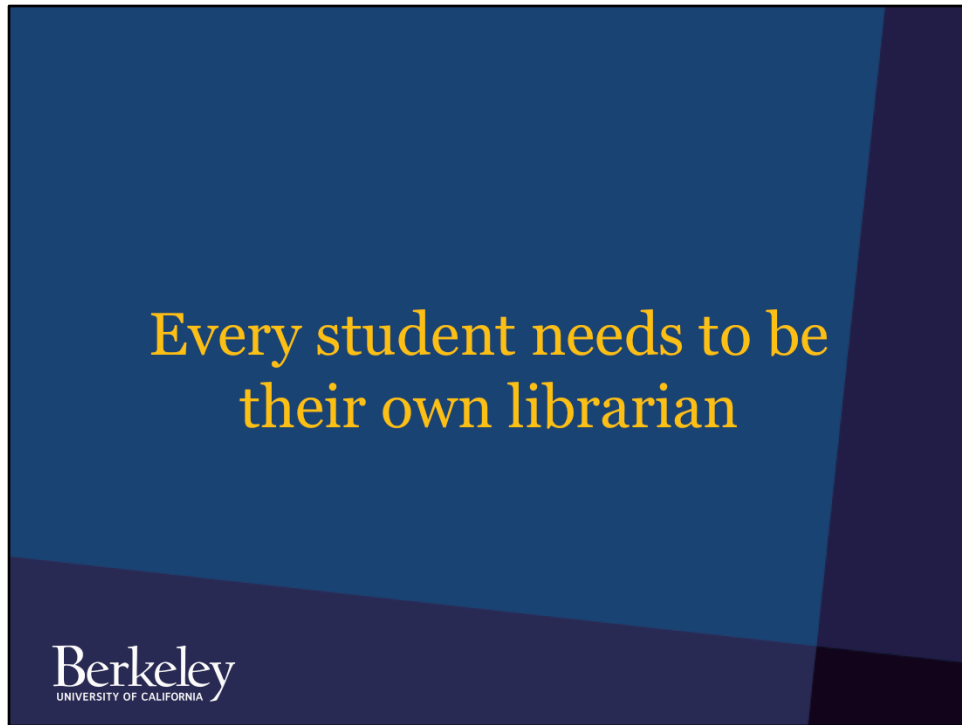
letting down our students

Much concern US presidential election affected by fake news

Stanford study: 82% of middle school students can't distinguish between paid content and arm's length news story

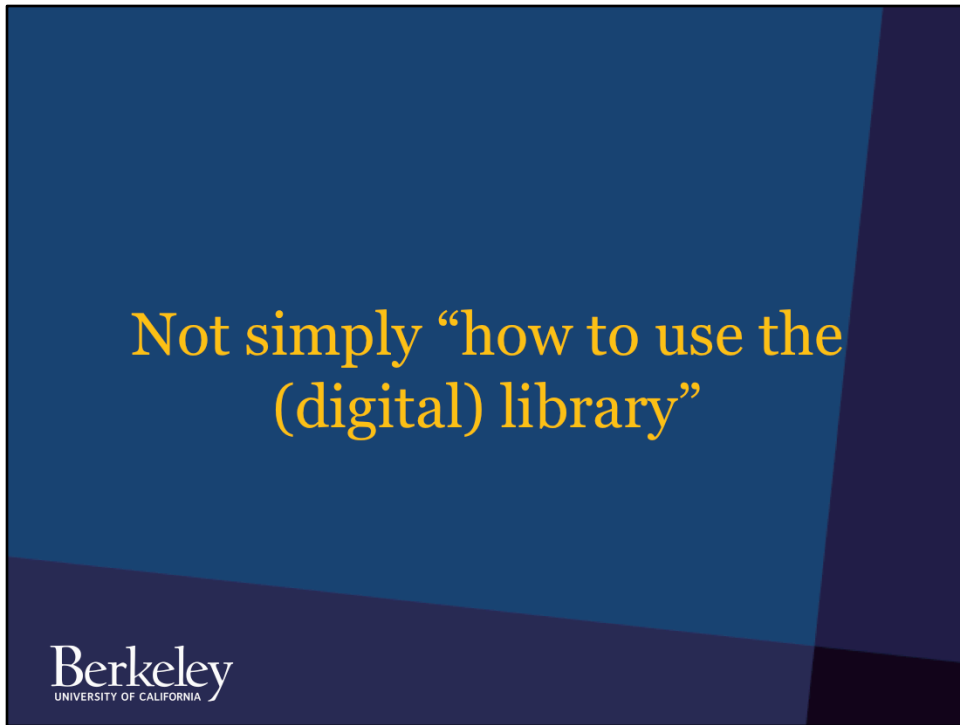First, broaden our conception of information fluency

Second, support student mastery of information fluency

Every student needs to be their own librarian

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In world of 24 x 7 info flood, they

-- can't afford to rely on the experts for every find / evaluate / use question

-- and shouldn't!

Not simply "how to use the (digital) library"

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emerging needs in how to learn and do research
      RDM
      data visualization
      scholarly communications
      productivity tools

beyond "how to do library research"
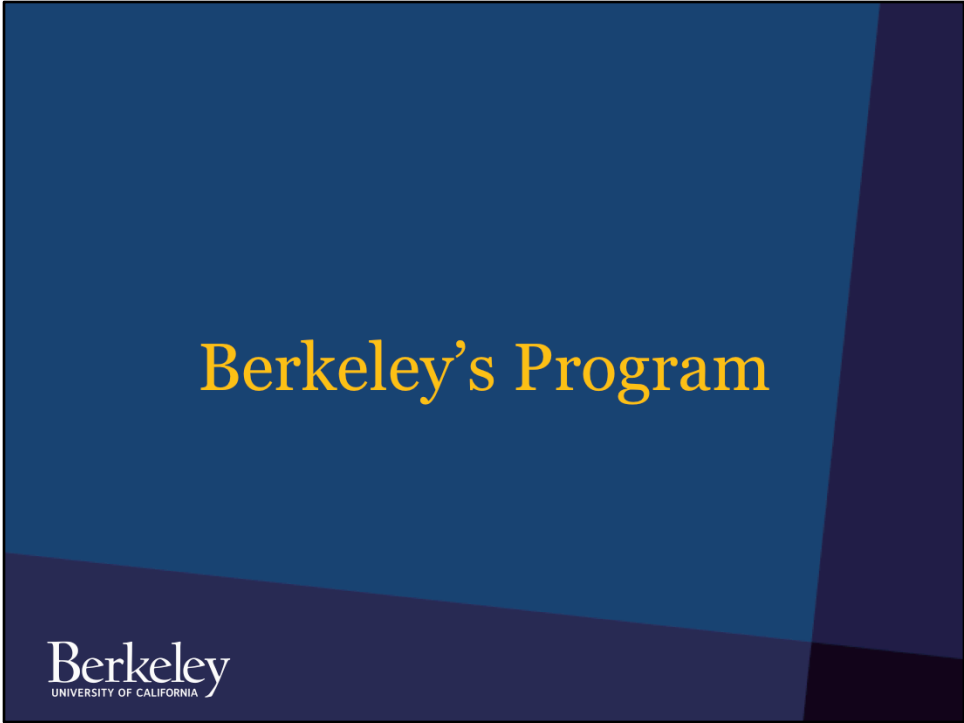   privacy
      reputation
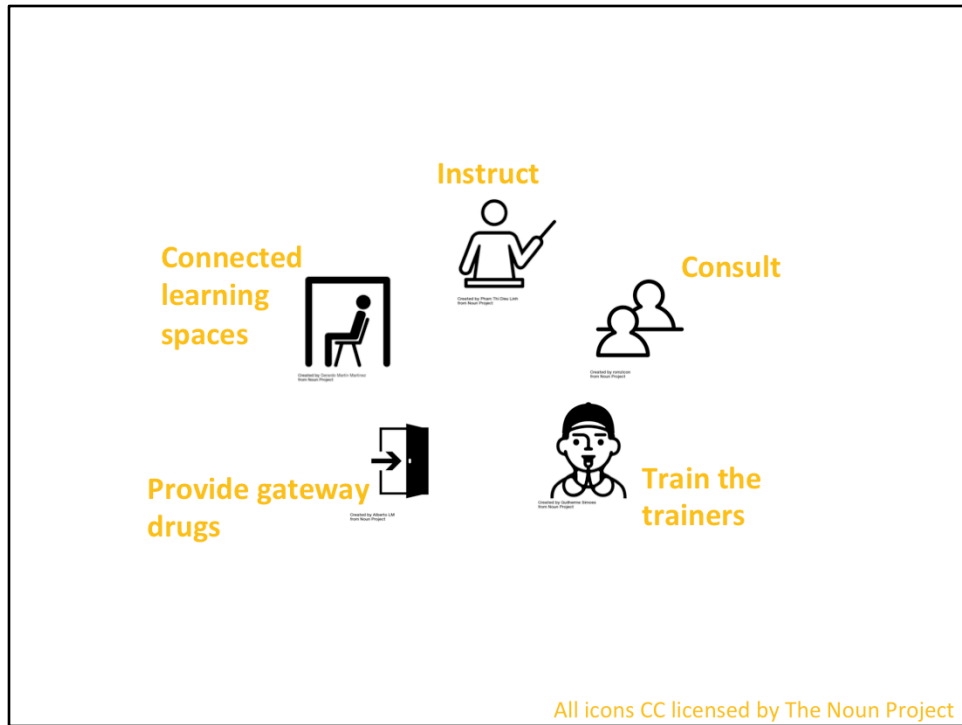   security
      bullying
      undocumented student services
~

Project DQ: Digital Intelligence Quotient for Each Child

Berkeley's Program
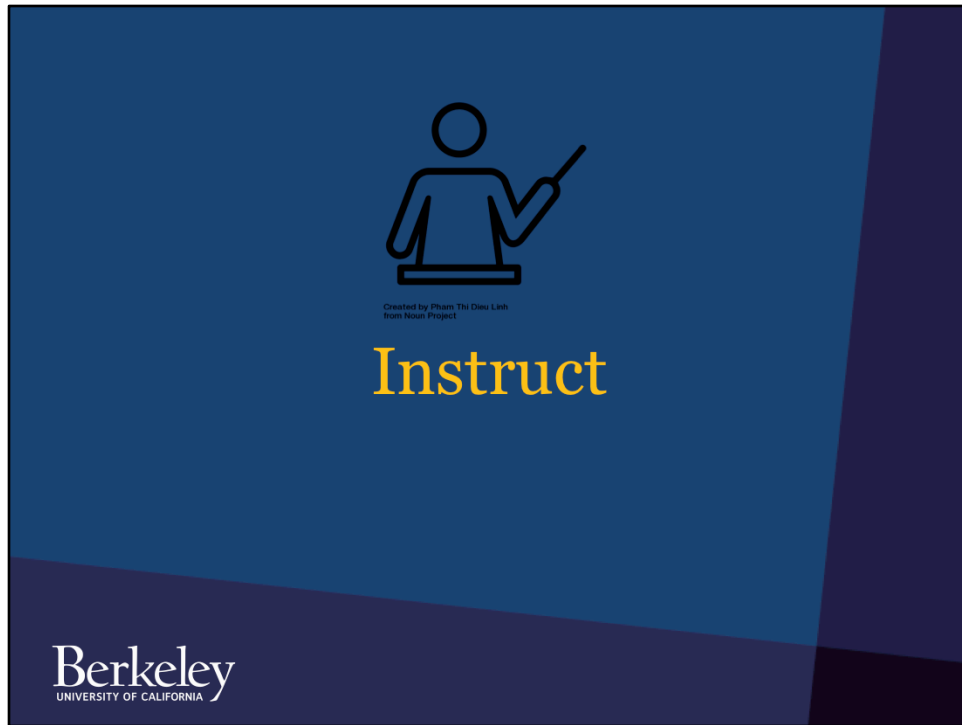
Create a structured program

Instruct (by Xinh Studio)
Consult (by romzicon)
Train the trainers (by Guilherme Simoes)
Offer gateway drugs (by Alberto LM)
Provide connected learning spaces (by Gerardo Martin Martinez)

Develop and launch new modular DL paths around specific themes
 - eg data visualization, productivity tools, online reputation & security

In-class sessions
Workshops
Online library guides
Brief video tutorials

There's a huge ocean: Genius Bar to help
- Finding good resources
- Finding analysis and manipulation tools (GIS mashups, audio/video editing, VR production)
- Basic computer help desk

GSIs: Grad 375 Pedagogy course
New faculty: CTL program
Academic Innovation Studio communities of practice for GSIs and faculty
Enable 600 annual student employees to create and share digital literacy content
DeCals (student led courses)
Cross-train consultants in other areas (D-Lab, ETS, DH, Research IT)

What did library do historically?
   - Scrolls, manuscripts, books expensive and scarce: gather and provide access
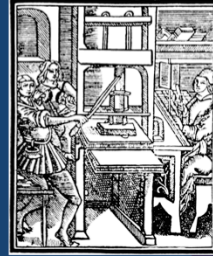   - These were key information technologies of their day

Today:
   - new info techs arriving all the time
   - generally expensive and scarce, especially for students
         laptop + smartphone + HD camera + VR rig + 3D printer + dataviz wall +
Snapchat Spectacles + ……

VIDEO: https://www.youtube.com/watch?v=zis3ningbYU

Information fluency program

- Instruct
- Consult
- Train the trainers
- Gateway drugs
- Connected learning spaces

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