Cyberlearning 2017

What's Next? Making Connections to Shape the Future

by Cyberlearning Center  a year ago  1 Like  49 Views

Our 5th Cyberlearning meeting. This storify covers the whole meeting. If you have questions about anything, just tweet to @CIRCLCenter.
Dr. Lauren B. Birney
@LBirney

Cyberlearning 2017 - can't wait! #NSFCL17 making connections to shape the future smart and connected communities!
5:42 PM - Apr 17, 2017 - Arlington, VA

3 See Dr. Lauren B. Birney's other Tweets
Amy Baylor is a Program Director for Cyberlearning and Future Learning Technologies. You can see the opening remarks.
Mary Lee Kennedy
@mlkennedytw

At Cyberlearning 2017 #NSFCL17 to shape the future. Amy Baylor on work @the human technology frontier
5:23 AM - Apr 18, 2017

See Mary Lee Kennedy's other Tweets

BODONG CHEN
@bod0ng

10 Big Ideas for Future NSF Investments bit.ly/2pdeW33 [PDF] #NSFCL17
5:25 AM - Apr 18, 2017

See BODONG CHEN's other Tweets

Our first networking activity with our 170+ attendees. People meet each other and network at our very active conference.

Cynthia D'Angelo
@dapostrophe

Networking activity underway! @CIRCLCenter #NSFCL17
5:38 AM - Apr 18, 2017

See Cynthia D'Angelo's other Tweets
Breanne Litts
@sunshineblitts

Just wrapped up the my fav networking activity at #NSFCL17... scavenger hunt has begun!
6:00 AM - Apr 18, 2017
See Breanne Litts's other Tweets

Roundtable discussions: Active, engaged attendees thinking about cyberlearning issues.

Shuchi Grover
@shuchig

Great people & discussions at #learninganalytics roundtable #NSFCL17 @CIRCLCenter @JohnCStamper @alywise @stephteasley
6:19 AM - Apr 18, 2017
See Shuchi Grover's other Tweets

Stephanie Teasley
@stephteasley

Great to see that Learning Analytics is one of 16 roundtables at #NSFCL17
6:21 AM - Apr 18, 2017
See Stephanie Teasley's other Tweets
Learning Analytics roundtable discussion: machine learning, analytics in online discussions and more.
#data #NSFCL17 pic.twitter.com/oNXu2a9sEF

Alyssa Wise
@alywise

Strong #LearningAnalytics presence and rich discussions at #NSFCL17 ! twitter.com/stephteasley/s…
8:02 AM - Apr 18, 2017

1 See Alyssa Wise's other Tweets

CODAP
@CODAPdatasci

Happening at 9:15 AM EST: Teaching Data Science #NSFCL17 circlcenter.org/events/cyberle…
4:30 AM - Apr 18, 2017

See CODAP's other Tweets

Mimi Boutin: We should develop techniques to address what does not work in machine learning.
#learning #analytics #NSFCL17 pic.twitter.com/YJQ0fmEbg0

See Mimi Boutin's other Tweets
E-listening: How improve discussions in online communities? Alyssa Friend Wise #NSFCL17
pic.twitter.com/t6yHKZKkX

@MEETAREEJ · A YEAR AGO

allanfowler
@allanfowler

#NSFCL17 the roundtables are great ideas. Learning a lot and making great contacts!
6:43 AM - Apr 18, 2017

See allanfowler's other Tweets

Breanne Litts
@sunshineblitts

@KayteeTaylor shares about her Mobile City Science project challenging us to use mobile tech for civic engagement
#NSFCL17
6:46 AM - Apr 18, 2017

See Breanne Litts's other Tweets
After Roundtables were the Keynote sessions

Keynote 1 Day 1: Click to watch

Cool project engaging students in building complex models of #climatechange using #scratch #NSFCL17
7:09 AM - Apr 18, 2017
See BODONG CHEN's other Tweets
allanfowler
@allanfowler

#NSFCL17 VR in education keynote sounds really interesting
7:39 AM - Apr 18, 2017

See allanfowler's other Tweets

AREEJ MAWASI
@MEETAREEJ
A YEAR AGO

What is Virtual Reality? #NSFCL17 pic.twitter.com/UCIZUDaZeC

David Gerritsen
@davidalso

Jeremy Bailenson on stage at the #NSFCL17 showing some of his latest VR work.
7:56 AM - Apr 18, 2017

See David Gerritsen's other Tweets

Katie HeadrickTaylor
@KayteeTaylor

#NSFCL17 Jeremy Bailenson talks presence as the psychological construct important for well designed VR environments @CIRCLCenter
7:57 AM - Apr 18, 2017 - Arlington, VA

See Katie HeadrickTaylor's other Tweets

Cynthia D'Angelo
@dapostrophe

Important to remember that VR is just a medium - it matters a lot what you do w/ it if you want to impact learning @StanfordVR
#NSFCL17
8:02 AM - Apr 18, 2017

See Cynthia D'Angelo's other Tweets
6 Ways VR Transforms Learning

- Experiential Learning
- Teachers with Superpowers
- Transforming Co-learners
- Novel Assessment
- Life Lessons
- Skill Training

Sarah Costello
@SarahTheMaker

6 Ways VR can transform learning! #NSFCL17 @StanfordVR
8:03 AM - Apr 18, 2017

Jason Yip
@jasoncyip

How does VR compare to movies and textbooks for learning? It depends... (same answer for all edtech) #NSFCL17
8:04 AM - Apr 18, 2017

Cyberlearning Center
@CIRCLCenter

Love that VR can give Teachers Superpowers! #NSFCL17
@pati_ru @SarahTheMaker @ral7792
twitter.com/KayteeTaylor/s...
8:07 AM - Apr 18, 2017

See Sarah Costello's other Tweets
See Jason Yip's other Tweets
See Cyberlearning Center's other Tweets
Can #VR give teachers superpowers? Jeremy Bailenson keynote #NSFCL17
8:07 AM - Apr 18, 2017

Filtering VR tracking data to create idealized teachers with "superpowers." Kids don't like it, but they learn more!
@StanfordVR #NSFCL17
8:08 AM - Apr 18, 2017
Jason Yip
@jasoncyip

Body transfer in VR (ex. white man seeing themselves as a black woman). What's the effect on empathy and tolerance?
#NSFCL17
8:16 AM - Apr 18, 2017

Alyssa Wise
@alywise

Teaching empathy by literally walking a mile in someone else's shoes - great use of VR for education #NSFCL17
8:14 AM - Apr 18, 2017

Breanne Litts
@sunshineblitts

Using VR to track body language and predict learning with 87% accuracy - @StanfordVR #NSFCL17
8:10 AM - Apr 18, 2017

matthew
@dmboyer

Who's using VR for Skill Training? Nat'l Champions @ClemsonFB, that's who - at Cyberlearning 2017 #NSFCL17
8:20 AM - Apr 18, 2017 · The Westin Arlington Gateway

2 See matthew's other Tweets
Katie HeadrickTaylor
@KayteeTaylor

#NSFCL17 how many data points does VR need to reproduce the moving body with some fidelity? from J. Bailenson
@CIRCLCenter
8:14 AM - Apr 18, 2017 - Arlington, VA

5
See Katie HeadrickTaylor's other Tweets

Alyssa Wise
@alywise

Following on the superhero metaphor: with great power comes great responsibility. Many exciting possibilities ahead!
#NSFCL17 twitter.com/roschelle63/st…
8:17 AM - Apr 18, 2017

2
See Alyssa Wise's other Tweets
Is Virtual Reality the Ultimate Empathy Machine?

See also [wired.com/brandlab/2015/… #NSFCL17](http://wired.com/brandlab/2015/… #NSFCL17)

twitter.com/CIRCLCenter/st…

8:17 AM - Apr 18, 2017

Ben DeVane

I see no lessons were learned from past-years' rhetoric about games and learning. #NSFCL17 #notahater #justkeepingitreal
twitter.com/jasoncyip/stat…

8:19 AM - Apr 18, 2017

Keynote 2 Day 1: Click to watch

Cyberlearning 2017 Keynote: Mary Helen Immordino-Yang

LEARNING - A YEAR AGO
Why Emotions are Integral to Learning: A Neuroscience Perspective with Mary Helen Immordino-Yang #NSFCL17

Breanne Litts @sunshineblitts

Keynote #NSFCL17: Dr. Immordino-Yang shares about the relationship between emotions and learning
8:23 AM - Apr 18, 2017

Alyssa Wise @alywise

The brain is not "a thing you come with" but "something built up by the life we live" Shown in art incorporating brain imaging
#NSFCL17
8:28 AM - Apr 18, 2017
Alyssa Wise
@alywise
Replying to @alywise
And here's the image #NSFCL17
8:30 AM - Apr 18, 2017
See Alyssa Wise's other Tweets

Joseph South
@southjoseph
"The learning process is being steered & organized by our subjective experience." Dr. Immordino-Yang on emotion, learning, & brain #nsfcl17
8:31 AM - Apr 18, 2017
4 See Joseph South's other Tweets

Cyberlearning Center
@CIRCLCenter
Nova Special featuring MH Immordino-Yang's work -- to learn more about her work and methods. kpbs.org/news/2016/sep/… #NSFCL17
8:38 AM - Apr 18, 2017
See Cyberlearning Center's other Tweets

Cyberlearning Center
@CIRCLCenter
Constraining experiences may change emotions and may affect what & how we learn. (Immordino-Yang) #NSFCL17 Can we steer emotions to help?
8:40 AM - Apr 18, 2017
See Cyberlearning Center's other Tweets

https://storify.com/CIRCLCenter/cyberlearning-2017
"Meaningful learning always involves emotions" #NSFCL17 pic.twitter.com/S3GdZqrPUm

MooshaMooshaMooshme
@mмоoshme
Mary Helen Immordino-Yang, Neuroscientist: "Meaningful learning always involves emotion." #NSFCL17
8:42 AM - Apr 18, 2017
See MooshaMooshaMooshme's other Tweets

Feeling emotions about others' minds engaged brain areas related to sensing and regulating the body and consciousness.

Alyssa Wise
@alywise
Exciting neurosci evidence of the general power and specific role of emotions in cognition and learning #NSFCL17
8:44 AM - Apr 18, 2017
13 See Alyssa Wise's other Tweets
Riley Leary
@ral7792
VR educator super powers can include meaningful learning involving emotion (takeaway melding two amazing keynotes)
@CIRCLEducators #NSFCL17
8:46 AM - Apr 18, 2017

Cynthia D'Angelo
@dapostrophe
Immordino-Yang: Emotions may be automatic responses to situations…but we need to learn how to "feel" emotions. #NSFCL17
8:52 AM - Apr 18, 2017

Riley Leary
@ral7792
Must add reflective and/or deep narrative to experiential learning to involve both parts of the brain rel to emotions & learning #NSFCL17
8:52 AM - Apr 18, 2017

Cynthia D'Angelo
@dapostrophe
Replying to @dapostrophe
So we need to think carefully about how to build in emotion to deeper learning activities/technologies. #NSFCL17
8:53 AM - Apr 18, 2017
Corinne Renguette
@crenguette
Engaged in Immordino-Yang’s neuroscience of learning!
#NSFCL17
9:00 AM - Apr 18, 2017
See Corinne Renguette's other Tweets

Alyssa Wise
@alywise
Many interesting cxns from this keynote and Sherry Turkle’s findings related to social media use and (reduced) empathy in kids #NSFCL17
8:53 AM - Apr 18, 2017
See Alyssa Wise’s other Tweets

Joseph South
@southjoseph
Dr. Immordino-Yang: Environments requiring active, physical attention competed w/part of brain that empathizes with others. #nsfcl17
8:55 AM - Apr 18, 2017
See Joseph South’s other Tweets

Cyberlearning Center
@CIRCLCenter
Default Mode Network is important for broader psychological, integrative thinking e.g., meaning making #NSFCL17 Immordino-Yang
8:51 AM - Apr 18, 2017
See Cyberlearning Center’s other Tweets
Can we think about designing technologies to help activate this reflective network? #Cyberlearning challenge? #NSFCL17
twitter.com/CIRCLCenter/st…
8:52 AM - Apr 18, 2017

Lunch (no tweets of the food) and then the afternoon program with the Gallery Walk in the late afternoon.

1:00
Expertise Exchange I
Broader Impacts: Connecting to Opportunities  Ballroom C
Virtual Reality in Educational Settings  Ballroom D
The Design of Assessments for Tracking Science Practices  Ballroom E
Using AI as a Tool in the Design of Digital Learning Environments  Salon 1
Neuroscience: Implications for Cyberlearning  Salon 2
Communities of Learning  Salon 3

2:30 Break

3:00
Working Sessions in Topic Rooms
Topic 1: Media and Computational Literacy  Ballroom C
Topic 2: Data science for 21st century STEM learning  Ballroom D
Topic 3: Human-Centered Design  Ballroom E
Topic 4: Smart and Connected Communities  Salon 1
Topic 5: INCLUDES - Diversity and Broadening Participation  Salon 2
Topic 6: Convergent Research  Salon 3

Breanne Litts
@sunshineblitts
Coming up at #NSFCL17: expertise exchanges & working groups
8:56 AM - Apr 18, 2017

Broader Impacts: Connecting to Opportunities
Location: Ballroom C
This is an expertise exchange in the Cyberlearning 2017 Expertise Exchange session

STEM researchers and those charged with developing broader impacts plans, activities and proposals are increasingly looking for innovative strategies and generative collaborations. Broadening participation of underrepresented groups in these activities is a particular challenge that designers and researchers of cyberlearning experiences are building knowledge about. After a brief review of how investments in infrastructure have changed the landscape of informal STEM education expertise and resources, this will be a facilitated discussion of what cyberlearning projects bring to the table.

Cooney Center
@CooneyCenter
Attending #NSFCL17? Don’t miss 4/18 panel on broadening participation of underrepresented groups in #STEM programs!
bit.ly/2oprMta
12:31 PM - Apr 11, 2017
AI in Educational Games, James Lester #NSFCL17 #ArtificialIntelligence pic.twitter.com/JCKaJebabt

Narrative centered learning in AI #NSFCL17 pic.twitter.com/Bzo7vNImLaN

Tomas Helikar
@tomashelikar

Amazing VR technology to learn about different aspects of the world. #NSFCL17
Cynthia D'Angelo
@dapostrophe

Learning about ocean acidification through VR #NSFCL17
10:48 AM - Apr 18, 2017

Breanne Litts
@sunshineblitts

@djgagnon from @fielddaylab busts out a @HoloLens demo at #NSFCL17 immersive learning round table.
10:46 AM - Apr 18, 2017

Cynthia D'Angelo
@dapostrophe

The @HoloLens is so cool!! #NSFCL17
twitter.com/sunshineblitts...
11:32 AM - Apr 18, 2017
Breanne Litts
@sunshineblitts
Interactive #NSFCL17 expertise exchange: how to integrate VR & immersive learning in classrooms using @google expedition
10:15 AM - Apr 18, 2017
2 See Breanne Litts's other Tweets

allanfowler
@allanfowler
#NSFCL17 Expertise exchange is way more beneficial than the stock exchange
10:32 AM - Apr 18, 2017
1 See allanfowler's other Tweets

Pedagogical modeling in AEiD #AI #ArtificialIntelligence. #NSFCL17 pic.twitter.com/os6Aaby9ZD

AREEJ MAWASI
@MEETAREEJ · A YEAR AGO

In Smart & Connected Communities for Learning we are discussing ways technology can promote active citizenship and connectivism #NSFCL17 pic.twitter.com/hH19XJGmkd

AREEJ MAWASI · @MEETAREEJ · A YEAR AGO
Smart & Connected Communities for Learning #NSFCL17 pic.twitter.com/vk2sRLNj53

Areej Mawasi @MEETAREEJ · A YEAR AGO

Areej Mawasi
@meetareej

Katie Taylor: "How do we use smart and connected technologies to learn about daily life to change existence systems?" #NSFCL17 twitter.com/meetareej/stat...

A YEAR AGO

Areej Mawasi
@meetareej

Katie Taylor: "How do we almost empower teaching people to use tools to be able to navigate the system better?" #NSFCL17 twitter.com/meetareej/stat...

A YEAR AGO

Demos #NSFCL17 #VirtualReality #robotics pic.twitter.com/XjUaDhHqGs

A YEAR AGO

Learn about DAVIS, a cloud-based interactive digital lab manual that integrates auto grading functionality. #NSFCL17 buff.ly/2oGYpHT pic.twitter.com/9m1sOvTlc9

A YEAR AGO
<table>
<thead>
<tr>
<th>AREEJ MAWASI @MEETAREEJ</th>
<th>A YEAR AGO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learn about the Post-Digital Textbook project (Dr. Ruth Wylie @ASU, @imaginationASU), buff.ly/2pM1kIc #NSFCL17 #EdTeach pic.twitter.com/svGZXD5tSK</td>
<td></td>
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<th>AREEJ MAWASI @MEETAREEJ</th>
<th>A YEAR AGO</th>
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<tbody>
<tr>
<td>Anatomy Builder VR System: Can virtual reality support embodied learning in anatomy education? buff.ly/2oGVgkS #NSFCL17 #VR pic.twitter.com/5XNQgdlx8m</td>
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<th>Breanne Litts @sunshineblitts</th>
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<tbody>
<tr>
<td>Science everywhere project at #NSFCL17 digitally connecting classrooms, after school programs, &amp; home lives of children @jasoncyip @tlclegg</td>
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<td>2:53 PM · Apr 18, 2017</td>
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<tr>
<td>8 See Breanne Litts's other Tweets</td>
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Cyberlearning 2017 (with images, tweets) · CIRCLCenter · Storify

Dan Carroll
@dcarrphys

Alejandra Magana Purdue. A sequenced multimodal learning approach... #nsfcl17
2:53 PM - Apr 18, 2017

See Dan Carroll's other Tweets

Class InSight: real-time analytics platform for classrooms, using sensors and face detection tools to support teachers development #NSFCL17
pic.twitter.com/Id4K65t6yN
https://t.co/Id4K65t6yN
pic.twitter.com/Id4K65t6yN
https://t.co/Id4K65t6yN
pic.twitter.com/Id4K65t6yN
https://t.co/Id4K65t6yN
https://t.co/Id4K65t6yN
Learned about Class InSight at #NSFCL17! This would help teachers learn more about how they teach (and about their Ss)! Very important work!
pic.twitter.com/LcqcxU7hiw
https://t.co/LcqcxU7hiw

Patricia Ruiz (@PATI_RU) · A YEAR AGO

Dan Carroll (@dcarrphys)

It knows I am on my iPad instead of paying attention... #NSFCL17
2:58 PM - Apr 18, 2017

Amy Ogan (@amyogan)

"The theory practitioners teach with is the one they left school with... This is why we're building ClassInSight! #NSFCL17"
12:40 PM - Apr 19, 2017

See Dan Carroll's other Tweets

See Amy Ogan's other Tweets
EASEL is a mobile app that facilitates real-time reflection during experiential learning (ex: field trips)
buff.ly/2pIlKbqe #NSFCL17 pic.twitter.com/8a0OUhIcCd

Posters from today @CIRCLCenter event #NSFCL17 #learning pic.twitter.com/6CKjEnp1A4

Checking out zeroui.com/ziro/ at #NSFCL17 with @SarahTheMaker! (Gallery Walk 4/18)
8:22 AM - Apr 19, 2017
2 See CIRCL Educators's other Tweets
Conceptual learning using embodied technology to teach physics and science #NSFCL17 pic.twitter.com/VN50hQslds

Andres Henriquez
@AndresHenriquez
Under the deep blue sea. Virtually. @CIRCLCenter #NSFCL17
8:29 PM - Apr 18, 2017
3 See Andres Henriquez's other Tweets
Day 2

Zach Mbasu
@zmbasu

Experiencing various forms of virtual reality #NSFCL17!
2:01 AM - Apr 19, 2017

Day2. #NSFCL17 pic.twitter.com/WRrKWK2JLU

AREEJ MAWASI @MEETAREEJ · A YEAR AGO
How can CIRCL help with your Cyberlearning work?

circclcenter.org/resources/five… #NSFCL17

5:20 AM - Apr 19, 2017 · The Westin Arlington Gateway

See matthew's other Tweets

Innovation in Educational Technology with Edward Metz #NSFCL17 pic.twitter.com/JfEKB7m7Q
Cyberlearning Center
@CIRCLCenter

Great to have Edward Metz from IES tell us about the SBIR program. #NSFCL17
5:23 AM - Apr 19, 2017

See Cyberlearning Center's other Tweets

VR Chemistry and Happy Atoms - Ed-technologies for learning chemistry. #NSFCL17
pic.twitter.com/vpOXBtOpyv

See Cyberlearning Center's other Tweets

Jeremy Roschelle
@roschelle63

Research-based #EdTech. Thanks @IESResearch for Ed Metz talk at #nsfcl17. You're putting the I in SBIR (innovation)
5:42 AM - Apr 19, 2017

See Jeremy Roschelle's other Tweets
John Chapman
@chapmjs

#NSFCL17 Thank you for the overview, and for what is next
@iesresearch
5:54 AM - Apr 19, 2017

Like 2  See John Chapman's other Tweets
Breanne Litts
@sunshineblitts

#NSFCL17 day 2: Arlene de Strulle shares the vision for STEM+C
5:42 AM - Apr 19, 2017

Include computing in all disciplines including those beyond STEM, and for all learners including pre-K. - Arlene de Strulle @NSF #NSFCL17
5:47 AM - Apr 19, 2017

Genre Shark Tank Plenary Session
Breanne Litts
@sunshineblitts

Genre shark tank is kicking off! @djgagnon and I are going to propose mixed reality narrative genre for learning. #NSFCL17
6:02 AM - Apr 19, 2017

Alyssa Wise
@alywise

Time for Academic Shark Tank for Cyberlearning Genres at #NSFCL17 - first up @NeilThefferman on online HW help for students!
6:10 AM - Apr 19, 2017

AREEJ MAWASI
@MEETAREEJ A YEAR AGO

Example of biology cloud lab. #NSFCL17 pic.twitter.com/ALNhIXfMWw
Remote science labs serving 5 million students per year, pennies per experiment. Reidel-Kruse #NSFCL17
6:20 AM - Apr 19, 2017

Online Homework Research: ASSISTments, Neil Heffernan. #NSFCL17 #math #edtech #learning
pic.twitter.com/Su3sMJqMLX

Online Homework Research: ASSISTments, Neil Heffernan. #NSFCL17 #math #edtech #learning
pic.twitter.com/Su3sMJqMLX
Enhancing meta-cognitive monitoring during multimedia learning with human facial expressions of emotion. Roger Azevedo. #NSFCL17
pic.twitter.com/XiEnmnimMu https://t.co/XiEnmnimMu https://t.co/XiEnmnimMu https://t.co/XiEnmnimMu https://t.co/XiEnmnimMu

Jeremy Roschelle
@roschelle63
#Cyberlearning Roger Azevedo grand challenge: how could a "virtual human" augment teaching-learning interactions w/multimodal data? #nsfcl17
6:32 AM - Apr 19, 2017

Alyssa Wise
@alywise
#NSFCL17 Beyond AR and VR to Mixed Reality (Narratives). Very cool tech, interesting potential for learning via focus, stories, and creation.
6:38 AM - Apr 19, 2017
Jason Yip
@jasoncyip

Augmented reality as mixed reality narratives for learning
#NSFCL17
6:35 AM - Apr 19, 2017

Cynthia D'Angelo
@dapostrophe

@sunshineblitts and @djgagnon presenting about the mobile augmented reality genre of Cyberlearning research #NSFCL17
6:39 AM - Apr 19, 2017

Emma Mercier
@EmmaMMercier

So many great ideas at cyberlearning shark tank. Let the voting begin! #NSFCL17
6:46 AM - Apr 19, 2017
Vote now for the #NSFCL17 Genre Shark Tank!
6:52 AM - Apr 19, 2017

Yoav Bergner
@yoavbergner
I am converted. After demoing the #HoloLens at #NSFCL17 with @djgagnon and @sunshineblitts. Congrats shark tank winners!
7:25 AM - Apr 19, 2017

Keynote 1 Day 2: Click to watch

Cyberlearning 2017 Keynote: Eileen Scanlon
Breanne Litts
@sunshineblitts

#NSFCL17 keynote: @es5 shares about tech enhanced learning and the science of citizen science.
7:46 AM - Apr 19, 2017

1 See Breanne Litts's other Tweets