

Museums 3.0: Museum as Resource

Lāth Carlson

The Tech Museum of Innovation

Priya Mohabir

NYSci

Kristin Leigh

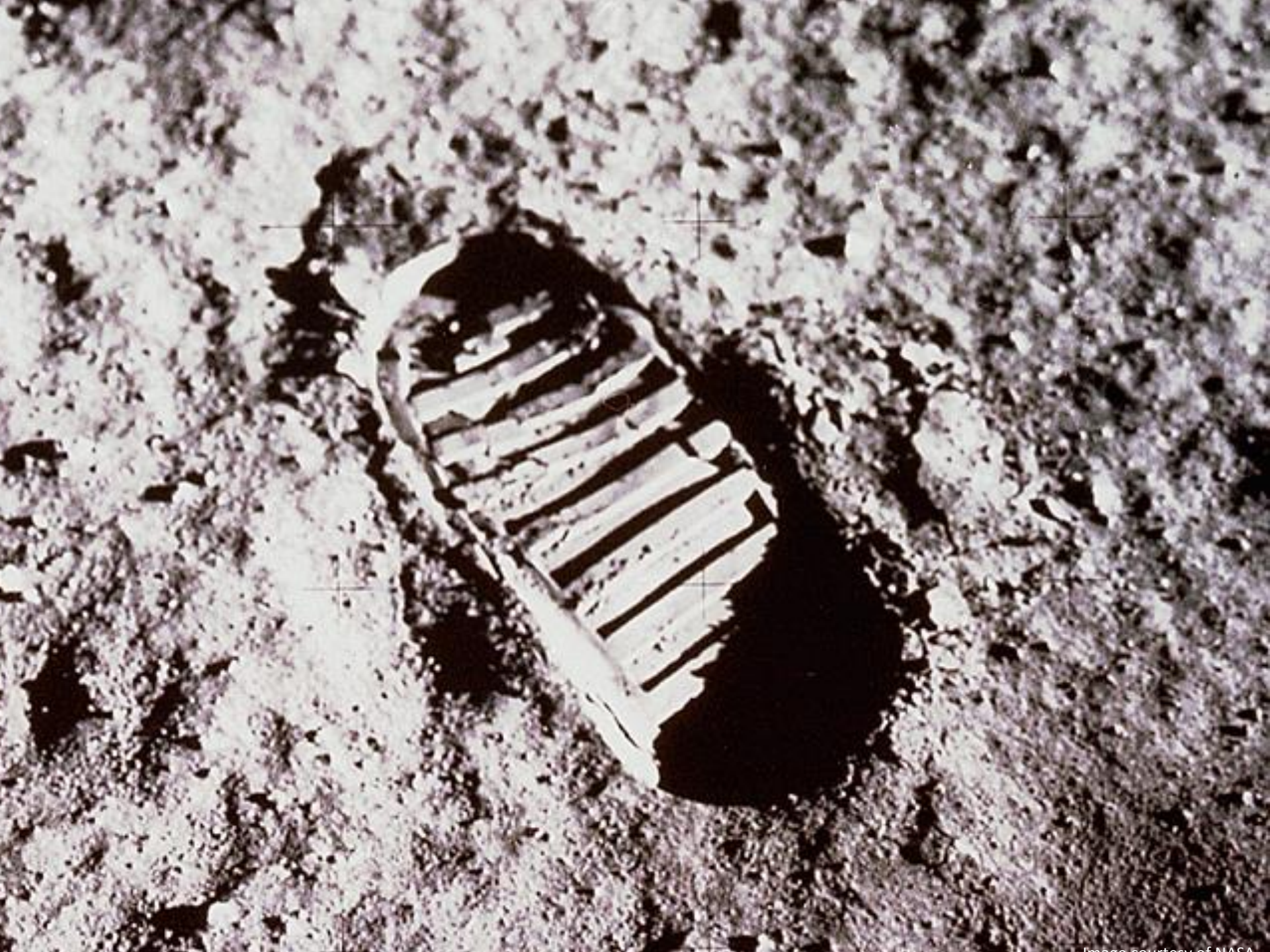
Explora

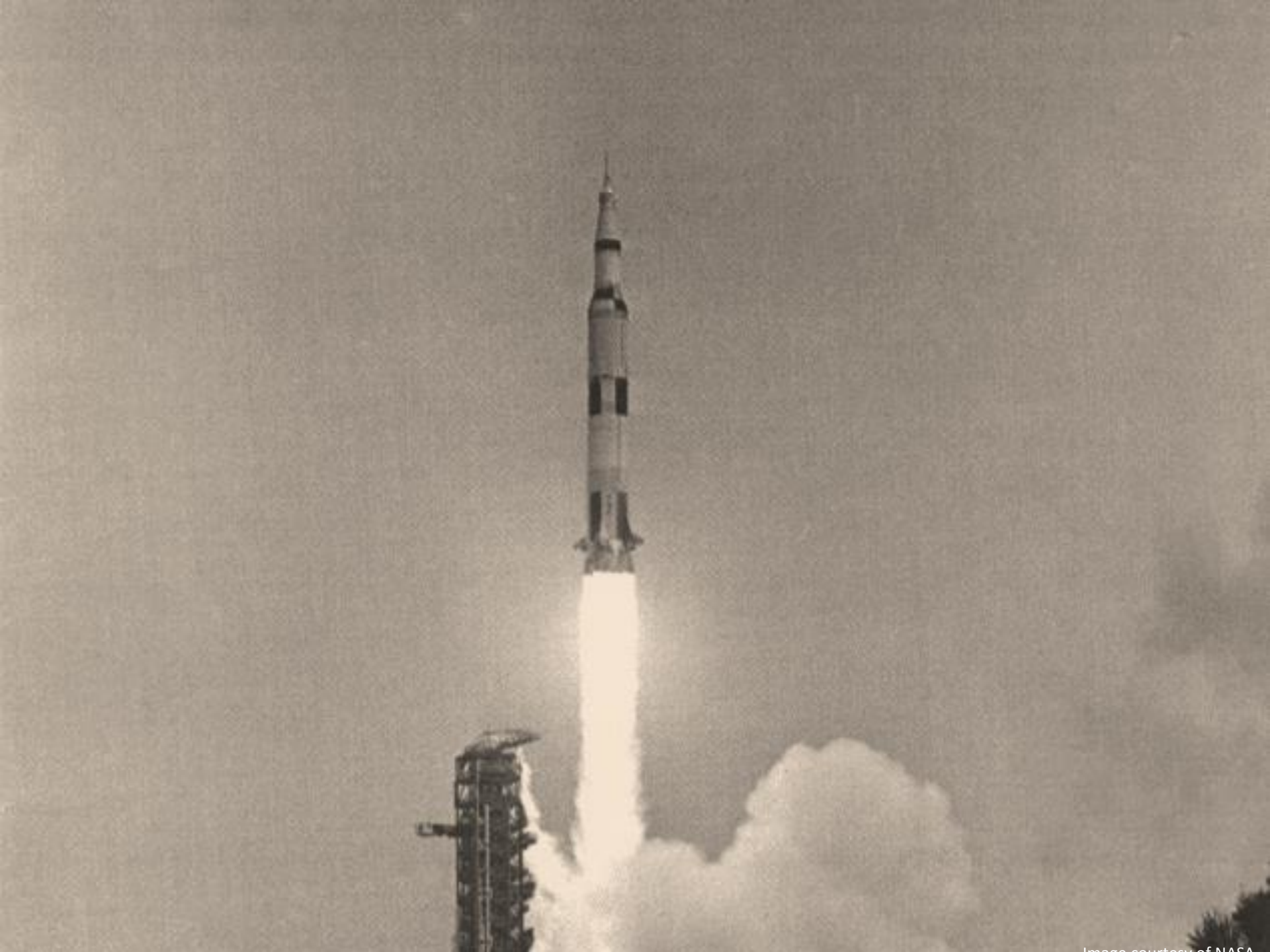
Devon Hamilton, PhD

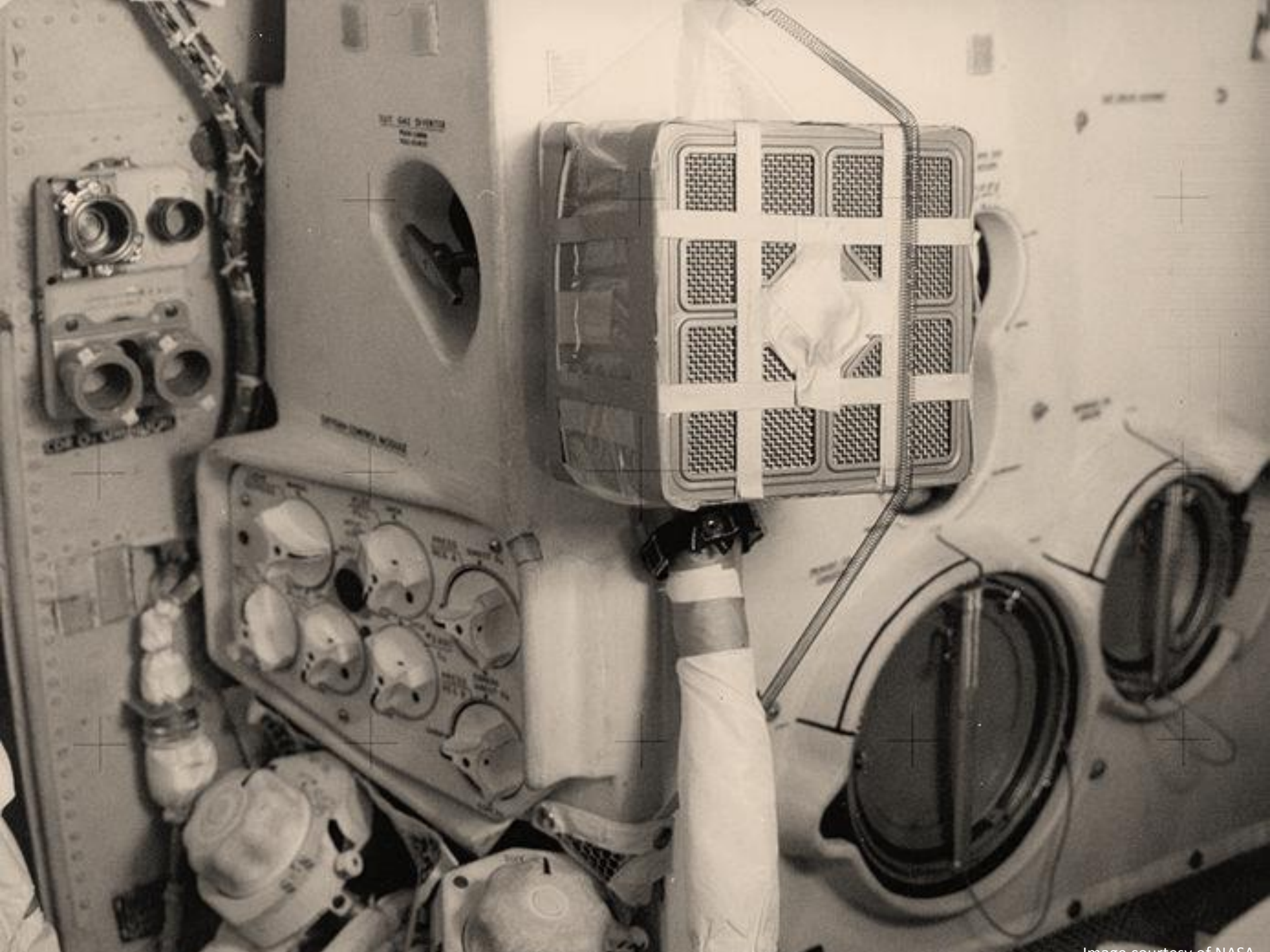
TELUS Spark



 #museums3.0











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Lāth Carlson

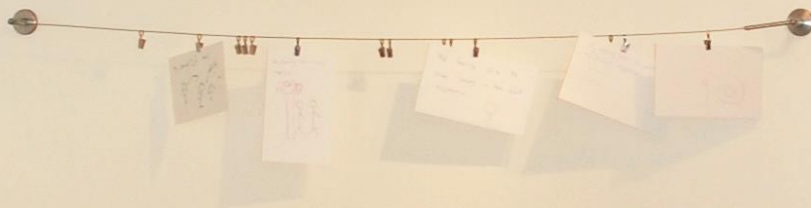
The Tech Museum of Innovation

 #museums3.0



Tell us about your family.

What makes your family special?



How has your family changed over time?

What does family mean to you?

What are your favorite family

traditions?





Image courtesy of The Tech





Silicon Valley
Innovation
Gallery

The Tech Silicon Valley
Innovation Gallery

Social Circles



Image courtesy of The Tech



Image courtesy of user "russavia" via Wikimedia Commons





KneeHiSci



Museums 3.0: NYSci

A community resource in Queens, NY

Priya Mohabir

Director, Alan J. Friedman Center For the Development of
Young Scientists



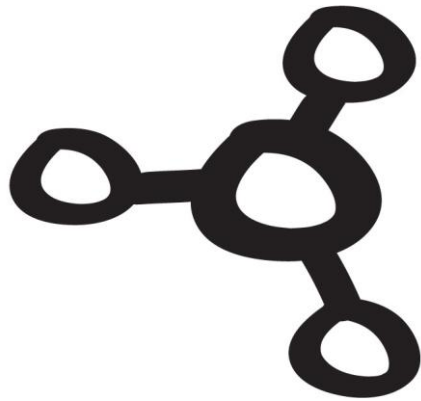
NEW YORK HALL OF SCIENCE WWW.NYSCI.ORG



NYSCI Neighbors

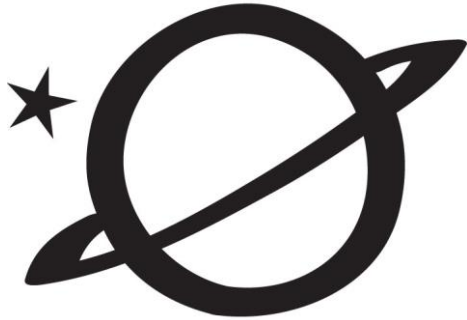
NYSCI NEIGHBORS





Goals

- Promote STEM education and literacy
- Leverage NYSCI's, school's and PTA's strengths
- Deepen relationships with community stakeholders
- Increase student and parental engagement in out-of-school time STEM learning activities
- Develop a program model that is supported by those it serves.



Evolution of the program

- Year-round multifaceted initiative
 - > Engaged more than 700 hundred families, schools and educators, and community organizations
- Host community and school events at NYSCI
- Offers multilingual opportunities
- Tapped into natural networks of supports

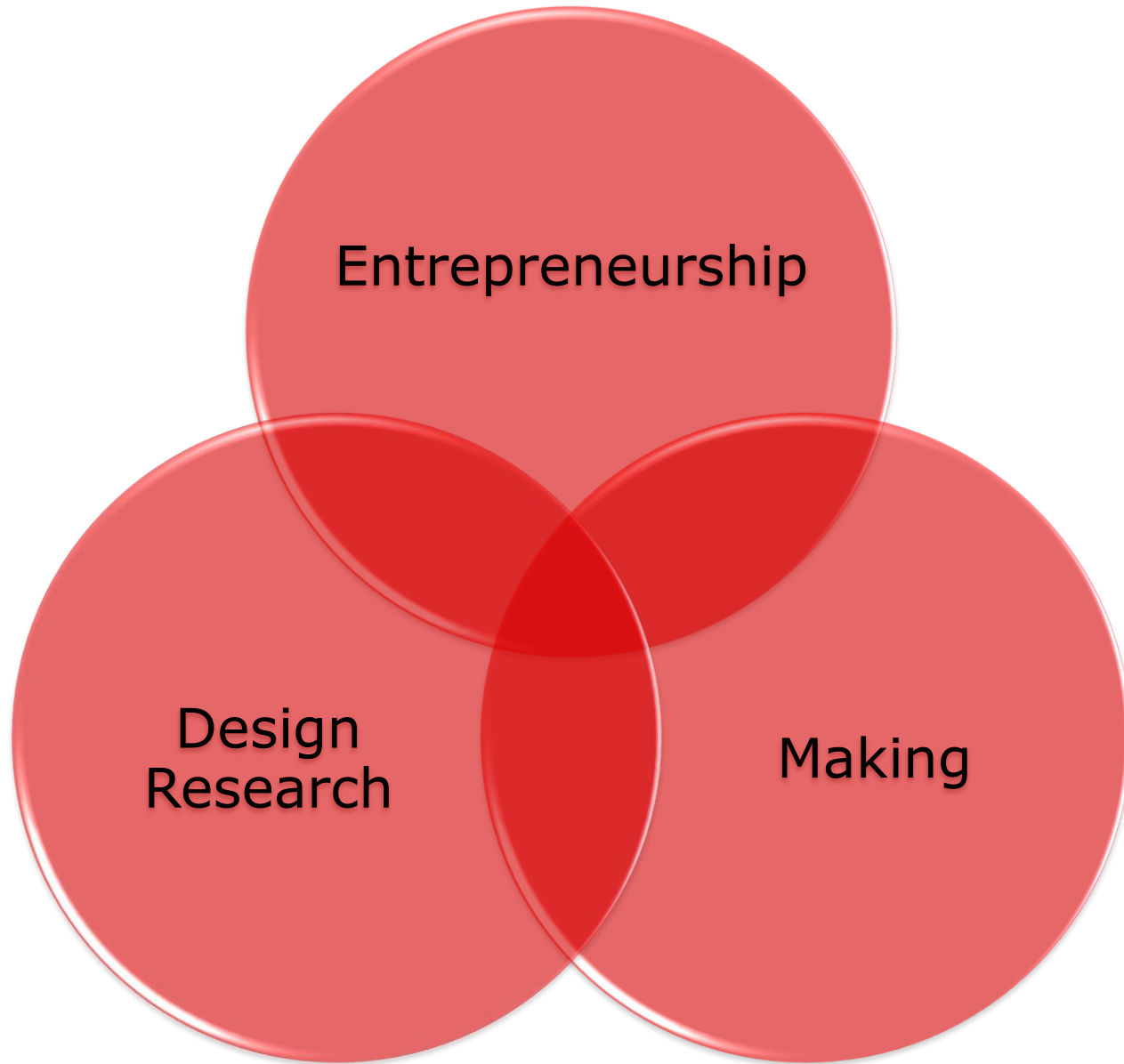


makerspace

Presented by  Cognizant



Innovation Institute: From Problem to Product



Entrepreneurship

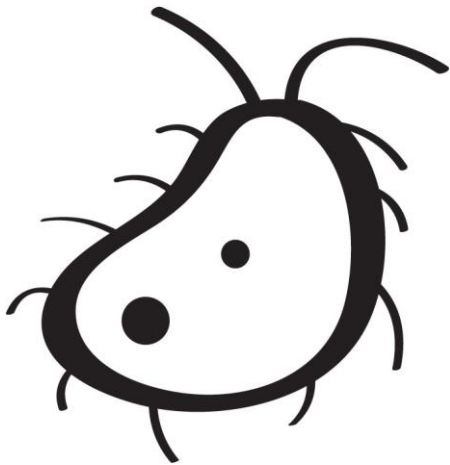
Design
Research

Making

Making with
meaning

Access to
Maker
Space and
its tools





CONTACT INFORMATION

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New York Hall of Science

Museums 3.0: Explora

A community resource in Albuquerque, NM

Kristin Leigh

Deputy Director & Director of Community Engagement

kleigh@explora.us

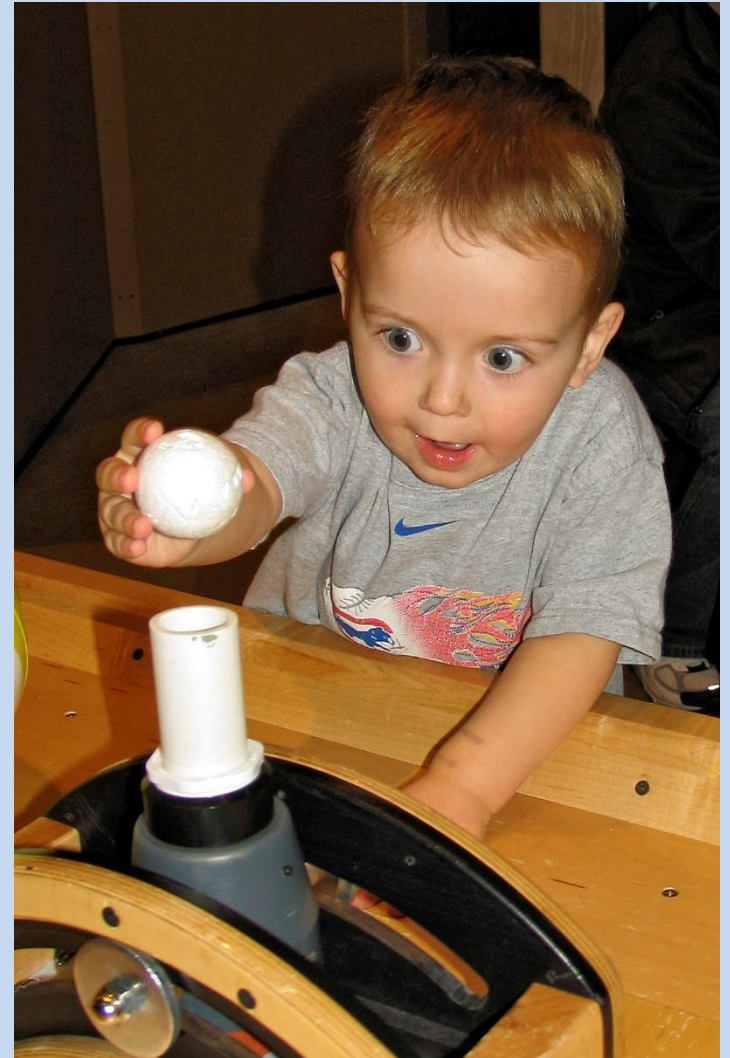
Explora/APS Family Science Nights



Teacher PD @ Family Science Nights



Community Partner Membership Program



Explora Ingeniería at Partnership for Community Action



Museums 3.0: TELUS Spark

A community resource in Calgary, AB

Slides not available

Devon Hamilton, PhD

VP, Content

Museums 3.0: The Tech

A community resource in San Jose, Ca.

Lāth Carlson

VP-Exhibits and Content Development

Follow @lathcarlson



The Tech

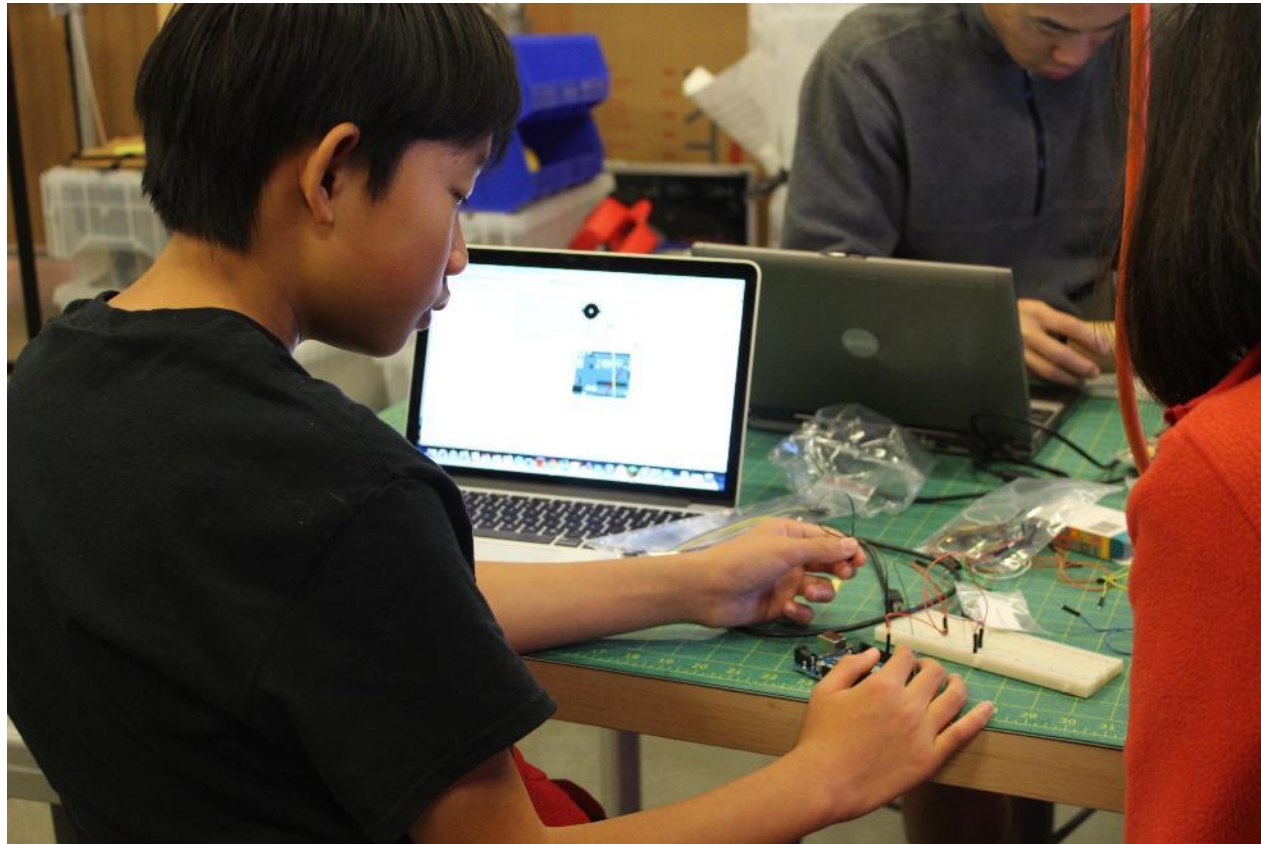
Museum of Innovation

- Located in downtown San Jose, Ca. on the edge of Silicon Valley
- 400k-500k visitors annually
- Hosts over 100 events a year, up from less than 10 three years ago
- Mission: To Inspire the Innovator in Everyone
- Vision: To Become a Resource for Innovation



Skill Building Workshops

Arduino Programming



Skill Building Workshops

Soft Circuits Workshop



Skill Building Workshops

Coder Dojo



Skill Building Workshops

Benesse: Steam Dojo LED Light Cubes and Animations



Skill Building Workshops

Technovation: Hack Day + Girl Day



Beta Jams

Roominate



Beta Jams

Tangible Play: Osmo



Social Innovation Workshops

3D Printing for Humanity



The Tech
Museum of Innovation



Hack-a-thons

Startup Weekend: Bay Area Makers- Hardware



Hack-a-thons

Hack the Future 1, 2, 3, 6, 9, and 11



Creative Collisions

The Invisible World of Marine Microbes



Meetups

Quantified Self



FabLab Projects

E-nabling the Future: 3D printed prosthetic hand



...and more

Makerspace @ The Tech (Makercorps)

Camp Galileo Summer Camps

Kickstarter Launches

Teacher Professional Development

Family Math and Engineering (bilingual)

Open Make @ The Tech and Young Makers

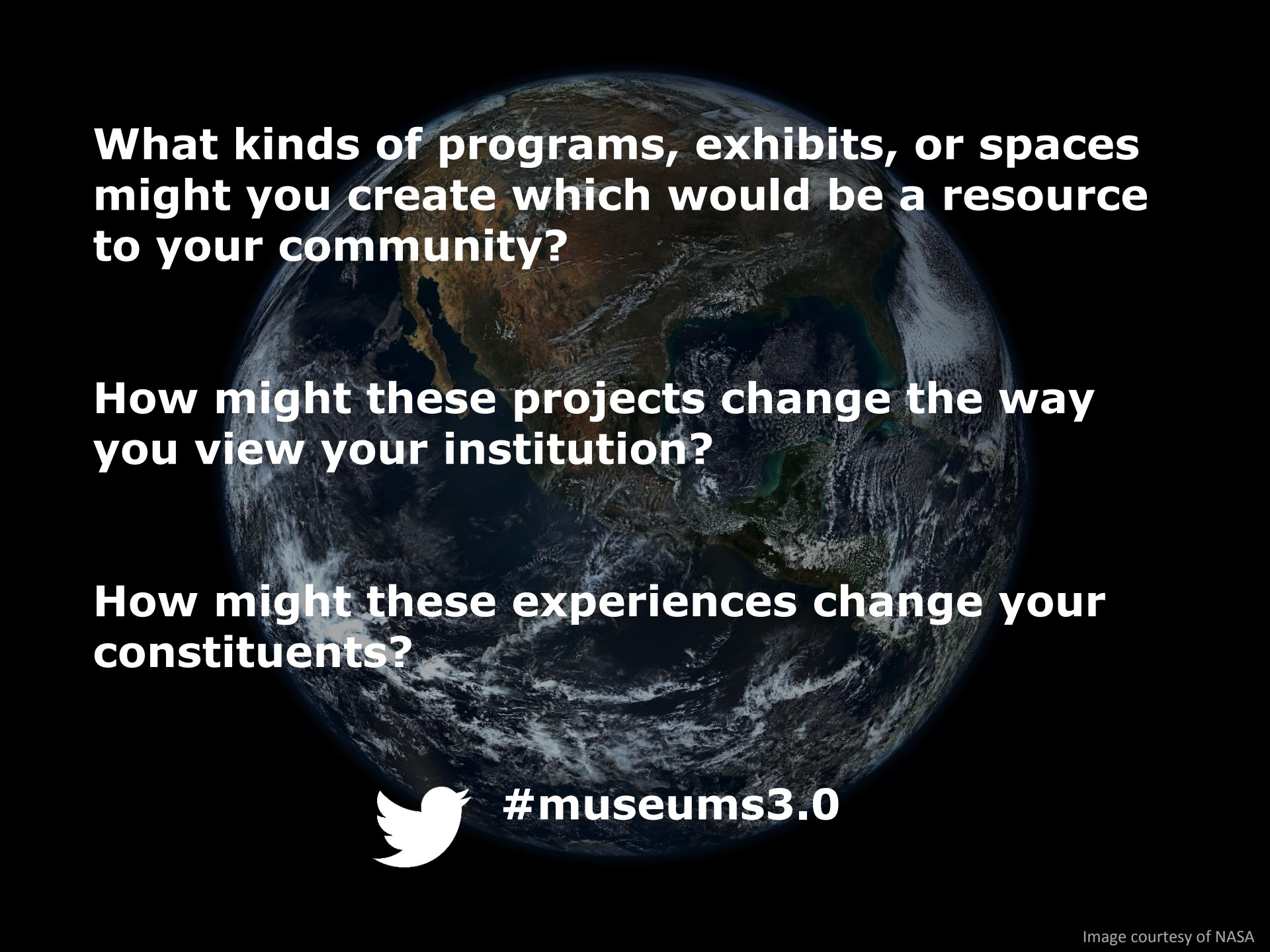
Girl and Boy Scouts programs

Design Thinking Workshops

Hands on Science Workshop drop-in maker programs

Even More:

<http://www.thetech.org/programs>



What kinds of programs, exhibits, or spaces might you create which would be a resource to your community?

How might these projects change the way you view your institution?

How might these experiences change your constituents?



#museums3.0