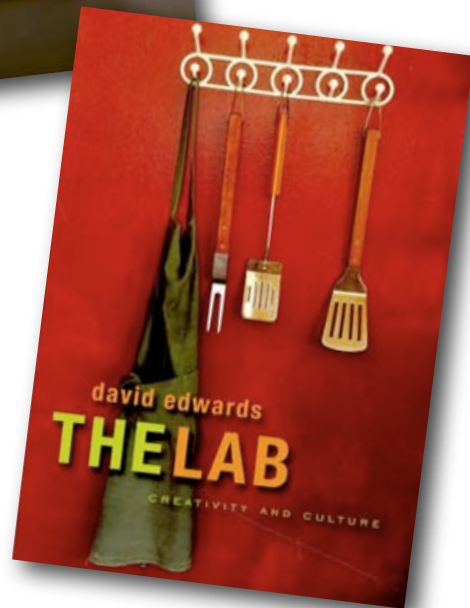


catalyzing Innovation in **Art + Design**  
at Frontiers of **Science**

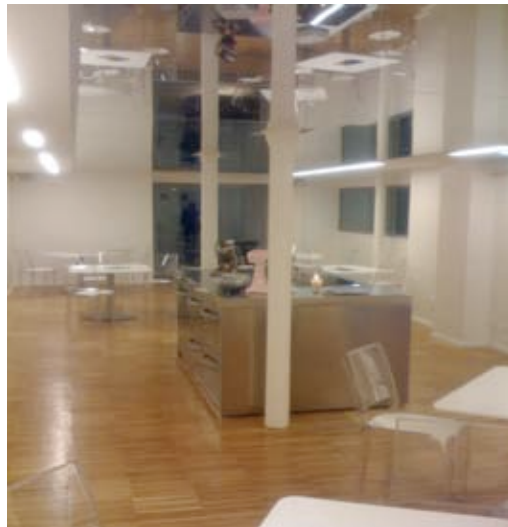
artscience  
labs 



**ArtScience** is a process that insists on collaboration across boundaries of art and science to catalyze innovation and accelerate the realization of novel ideas.

We are interested in the **process**,  
not the outcome, of creativity.

# artscience labs



The culture of the contemporary  
science lab ...

# artscience labs



... with an outcome of cultural,  
educational, social, or industrial  
relevance ...

# artscience labs

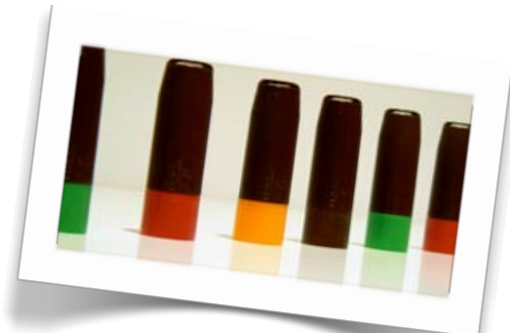


Over the past ten years David Edwards has started many “labs”...Now ideas translate through these labs...

artscience  
labs 

Mend  
Medicine in Need

 pulmatrix



... Often to produce for-profits and not-for-profits around the world, including the US, Europe and Africa...

# artscience labs ●●●

... a **funnel** of ideas ...

Idea Translation Lab  
@ Cloud Place



Idea Translation Lab  
@ Harvard University



Le Laboratoire  
@ Paris



The Laboratory  
@ Harvard



Startups



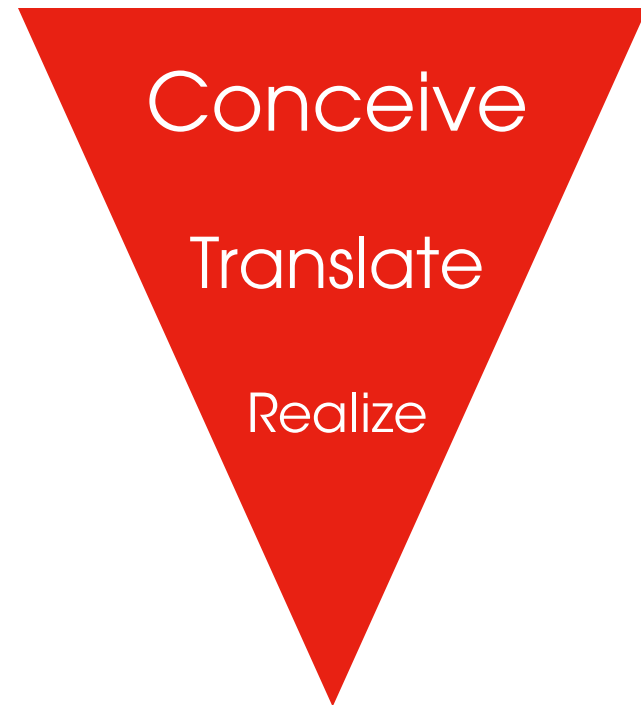
**Mend**  
Medicine in Need

Nonprofits



... ideas move  
through an  
idea funnel ...

# Idea Funnel



## Contemporary Art Projects

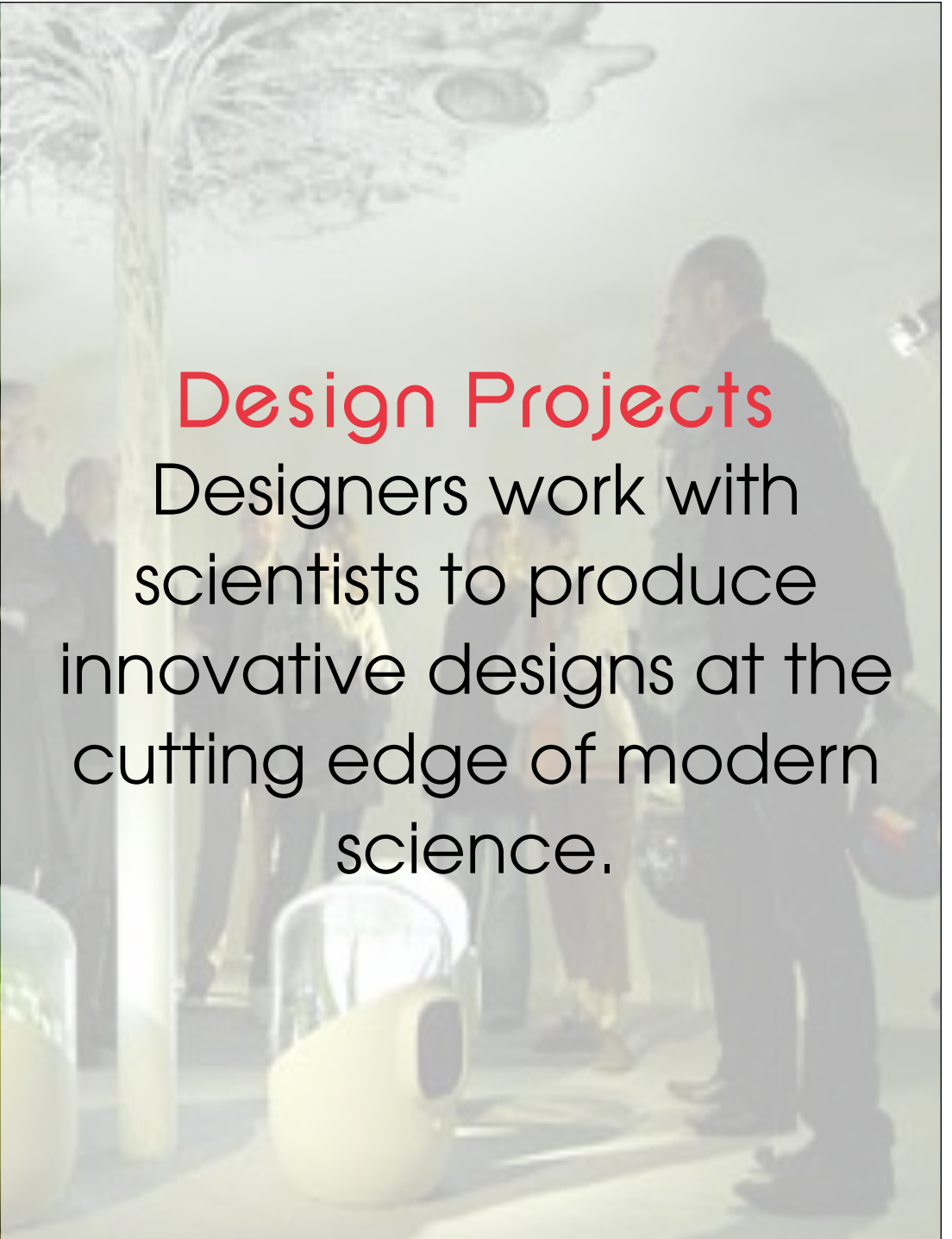
Artists work with scientists to produce innovative contemporary art at the cutting edge of modern science.





## Design Projects

Designers work with scientists to produce innovative designs at the cutting edge of modern science.





## Food Projects

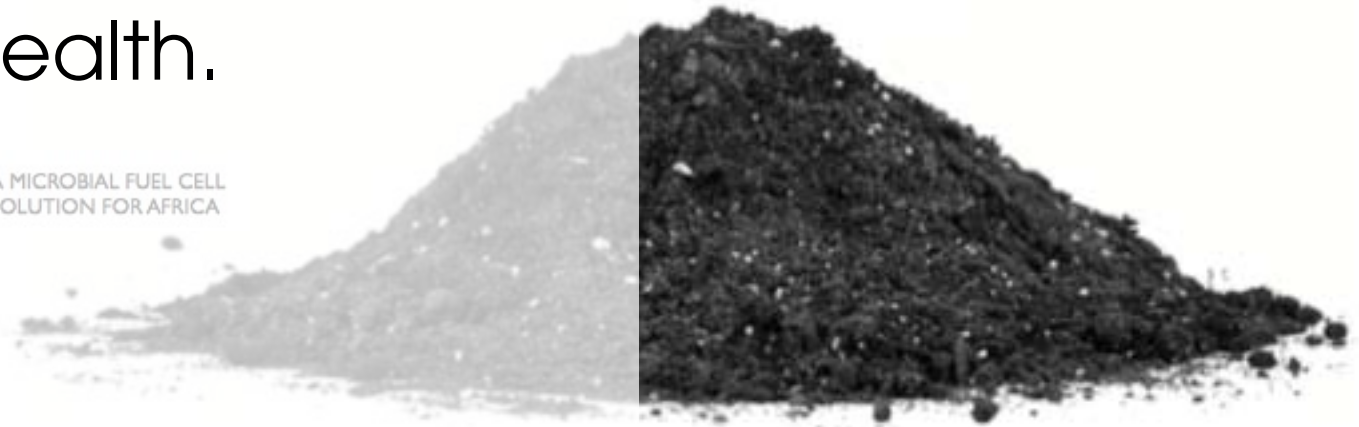
Chefs work with scientists to produce innovative new molecular foods at the cutting edge of modern science.

# Humanitarian Projects

Creators work on projects that aim to catalyze innovative thinking in the fight to improve global health.



**Dirt Power** A MICROBIAL FUEL CELL SOLUTION FOR AFRICA



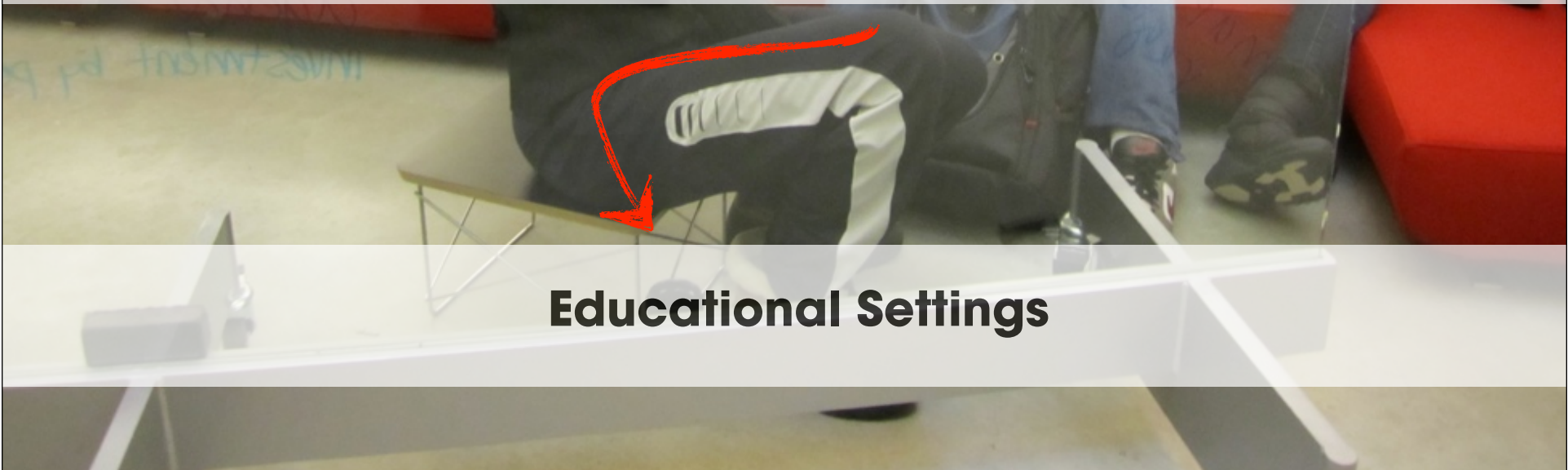
# Industrial Projects

Outcomes can lead to innovative products with societal impact.





Philosophy + Professional Projects



**Educational Settings**




**Idea Translation ©**



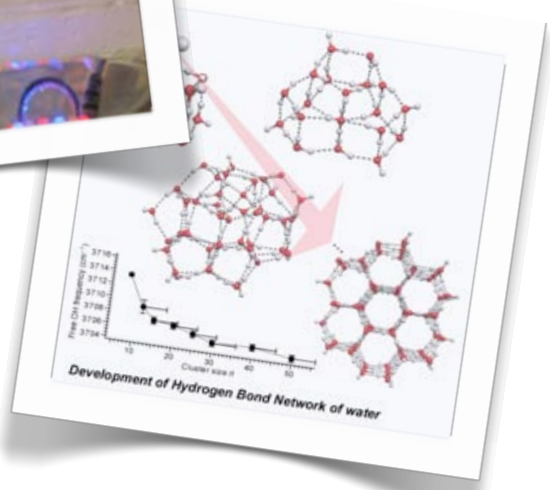
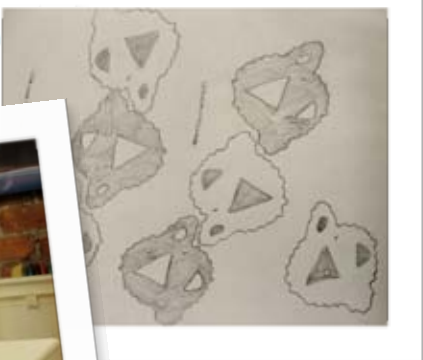
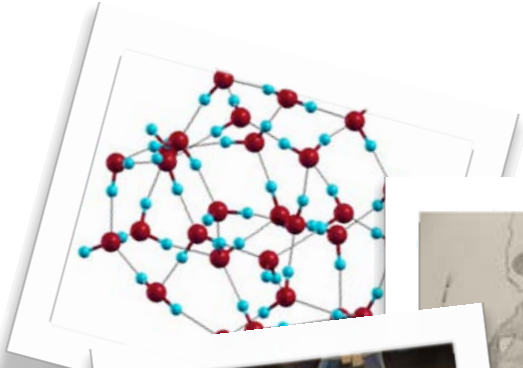


the  
artscience  
prize

**The ArtScience Prize**



interdisciplinary work in the arts and sciences  
unique curricular components of the program  
combination of aesthetic and analytical modes of thinking







Aspirational Design

# Skill-Building

## Presentations on April 1st

Uses for your \$:

Arch. models/sketch-up \$15

"Not a Jellyfish" silk screen

jelly fortune  
candy/cookie

Stickers

bag

t-shirt

poster

-animation/video

Jello Mold

environment

life cycle

colors/business

Jon

topics for research

littleJellies

field trip ideas

JellyBlast

Jelly Invasion

JellyFix

JellyPalm

Got Jelly?

Jealous

Jelly Slap!

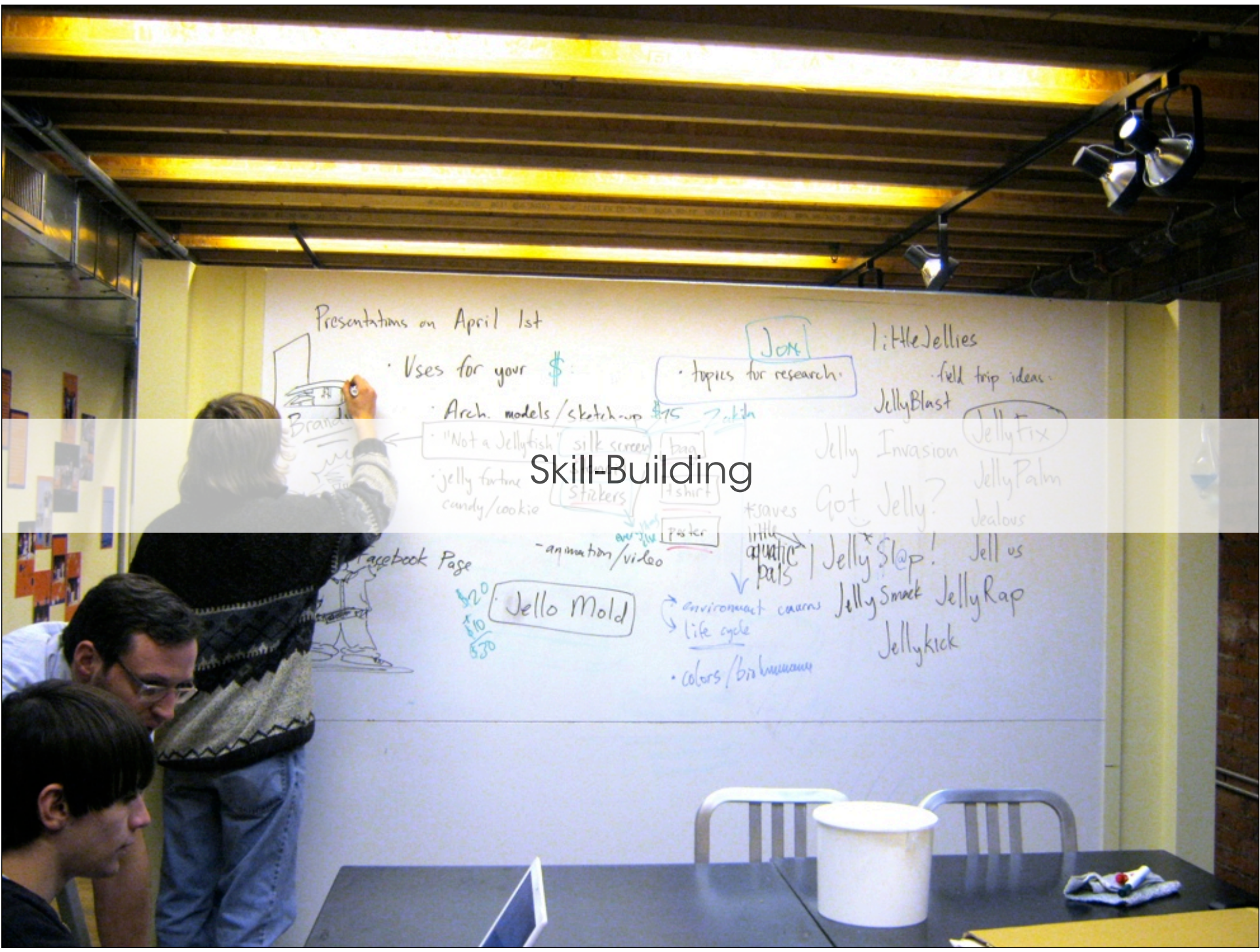
Jell us

Jelly Smack

Jelly Rap

Jellykick

kraves  
little aquatic  
pals



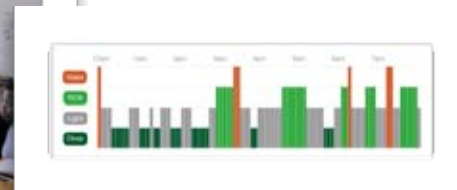


Community of Support

# Coach Master

## Starting Seed Idea: **Dream Player**

What if you could wear a cap at night, and the electrical (EEG) data gathered by the cap somehow recaptured your dreams, and in the morning, while you're brushing your teeth, you could watch your dreams, a kind of fascinating morning television! Would you tune in?





# Sweet Bottles

## Starting Seed Idea: **Edible Bottles**

Can we design bottles that mimic nature's method of water transport? Nature carries water in things like apples, grapes, coconut shells, things you can eat, or open up, and know that what you discard in the end, nature can use. Maybe the bottle of the future is an orange! How would you design it?



# Go with the Flow

## Starting Seed Idea: **Public Water Art**

Imagine public works that bring water to our consciousness, somehow in the spirit of Olafur Eliasson's East River waterfall installation in New York City. Could public works, say in a school, drive resources and attention to water conservation?

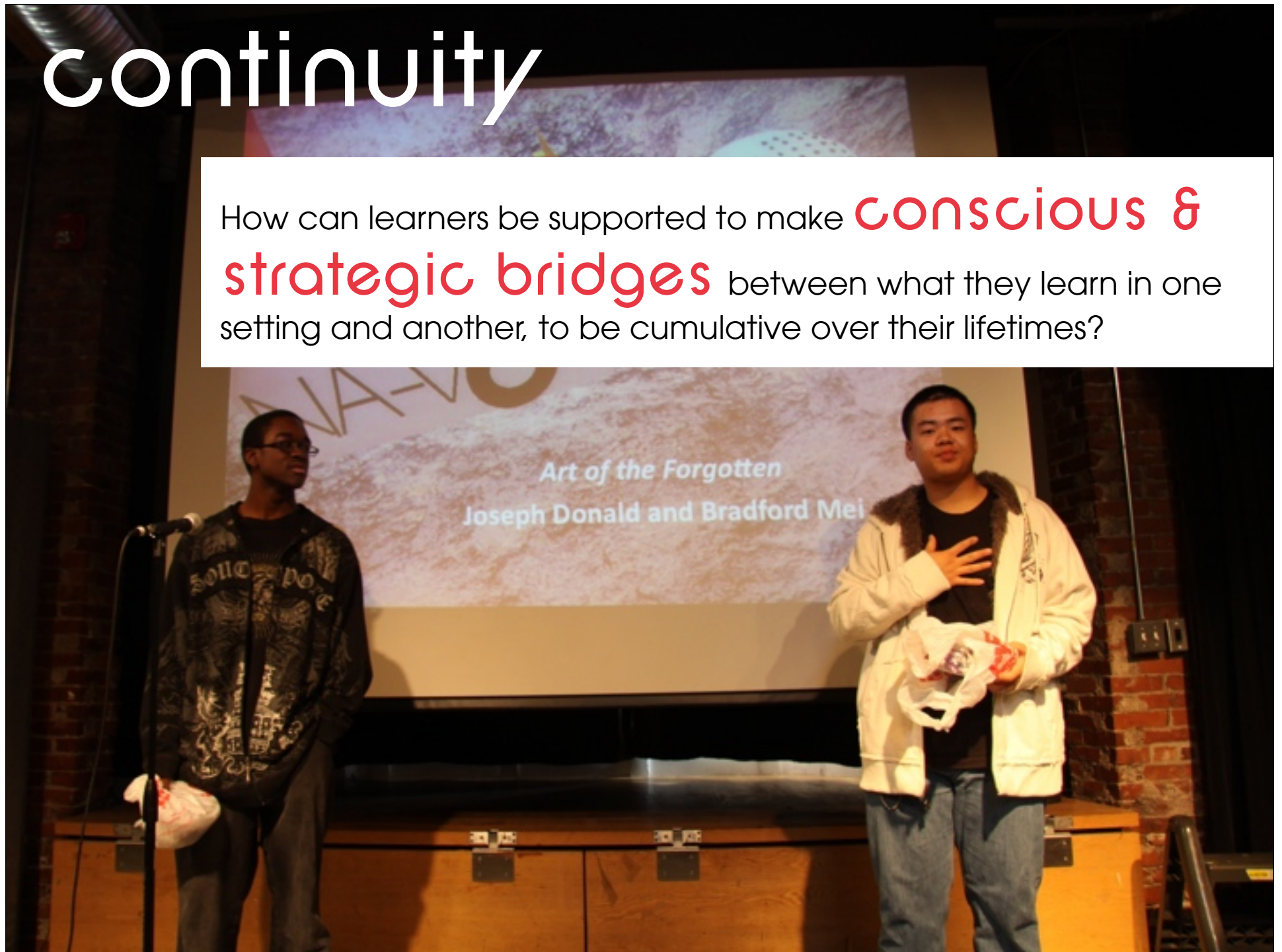


# The International **ArtScience Labs** Network



# continuity

How can learners be supported to make **conscious & strategic bridges** between what they learn in one setting and another, to be cumulative over their lifetimes?



# equity of access

How can projects explore community partnerships and creative learning experiences that are **relevant** to and **inclusive** of all learners, at all learning levels?



# breadth of science practice



How can... (learning about scientific) phenomena be leveraged to engage learners in all aspects of **science practices** such as reflection, abstraction, or grappling with scientific principles?

# assessment



How can such unconstrained experiences be supported to **demonstrate** what learners know and can do, in ways that are seen as legitimate by themselves and others?



# professional development

What can be done to develop and support a **network of professional development** opportunities to take advantage of this enormous resource?

# coherence

How can increased **coherence of effort & impact** be achieved, while maintaining innovation?



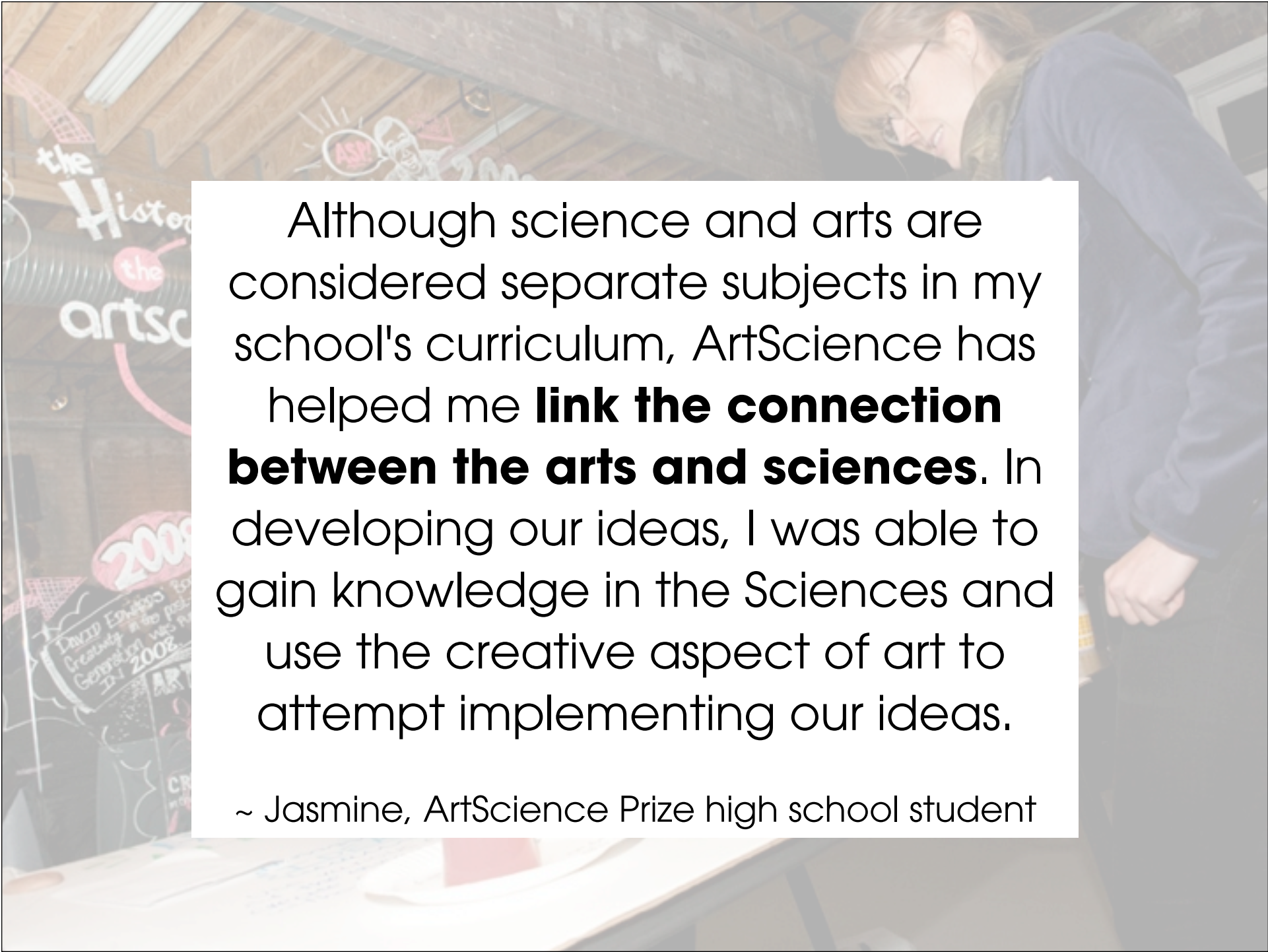




providing access points  
engaging interest  
breaking down silos & encouraging new ways of thinking



What does the **art science learning** mean to you?

A student with glasses and a blue hoodie is looking down at a desk in a classroom. The background features a chalkboard with various drawings and text, including "the History of the arts", "2008", and "David Edwards' Creativity in the past Generation was re".

Although science and arts are considered separate subjects in my school's curriculum, ArtScience has helped me **link the connection between the arts and sciences**. In developing our ideas, I was able to gain knowledge in the Sciences and use the creative aspect of art to attempt implementing our ideas.

~ Jasmine, ArtScience Prize high school student



# artscience labs ●●●

[www.artsciencelabs.org](http://www.artsciencelabs.org)  
[www.artscienceprize.org](http://www.artscienceprize.org)  
[www.laboratoire.org](http://www.laboratoire.org)  
[carrie@artsciencelabs.org](mailto:carrie@artsciencelabs.org)