

The Next Steve Jobs?

*Unleashing the Great Minds of Tomorrow with Innovative Education
Paradigm and Design Creativity*



David Hart | Sonnet Hui

LEARNING OUTCOMES:

1. Learn how to **innovate science education** and **experience inquiry-based learning** in action
2. Learn what a holistic approach to building a new science facility and education looks like
3. See how the **space and learning** inform and affect each another
4. Learn how to **pave the way for innovative and creative education**. And explore ideas for innovation in your institution.



01 Through the Looking Glass: The new K12 Science Paradigm
Video: Science Chair, Sage Hill School

02 A Mission to Nurture a New Generation of Inspired Scientist
Sonnet Hui, Steinberg Architects

03 Innovate Learning through Architecture
David Hart, Steinberg Architects

04 Workshop

05 Closing Remarks

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***Independent Schools
are leading the way...***

*we sit at the center of a **strong, sustainable future** for our country because of our **adaptability to changing circumstances and environments**. We are self-determining in mission and program.*

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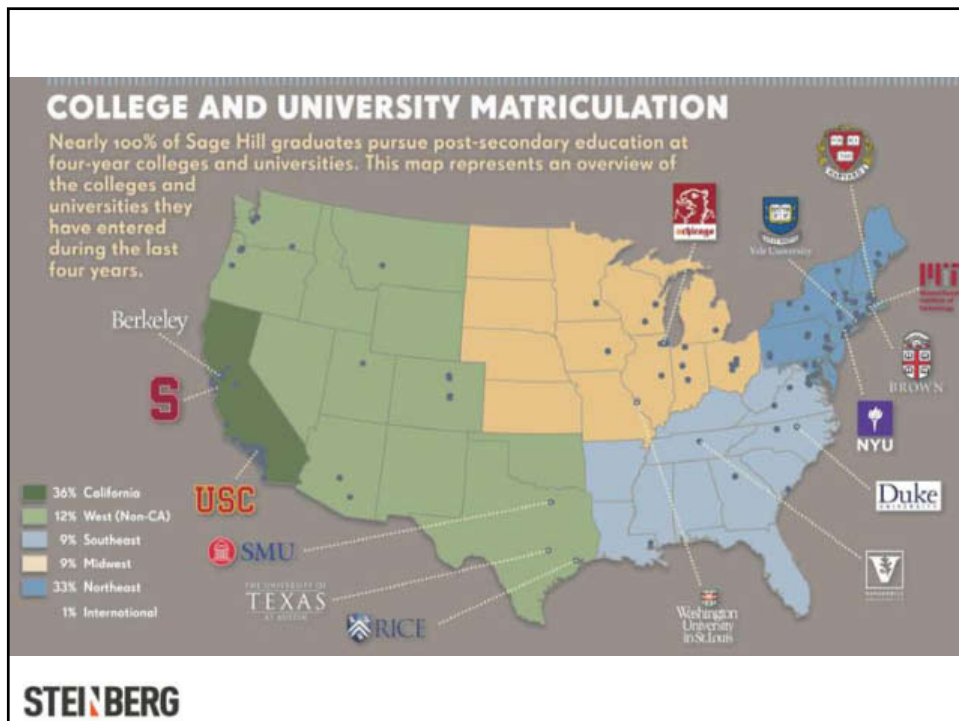


Sage Hill School

established 2000

our mission:
we inspire in our students a love of knowledge and the ability to use that knowledge creatively, compassionately and courageously throughout their lives.

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A black and white photograph of four diverse students (three girls and one boy) smiling and looking towards the camera. They are outdoors, with trees in the background.

be all you can be

we believe in the Whole Child Approach to education

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A black and white photograph of four students and one adult male teacher working together on a bicycle in a classroom. The teacher is standing and smiling, while the students are focused on the bike. A whiteboard with handwritten notes like 'Production' and 'Metal' is visible in the background.

inquiry-based learning

we evolve to challenge, inspire, and prepare students for an open-ended future by nurturing 21st century learners

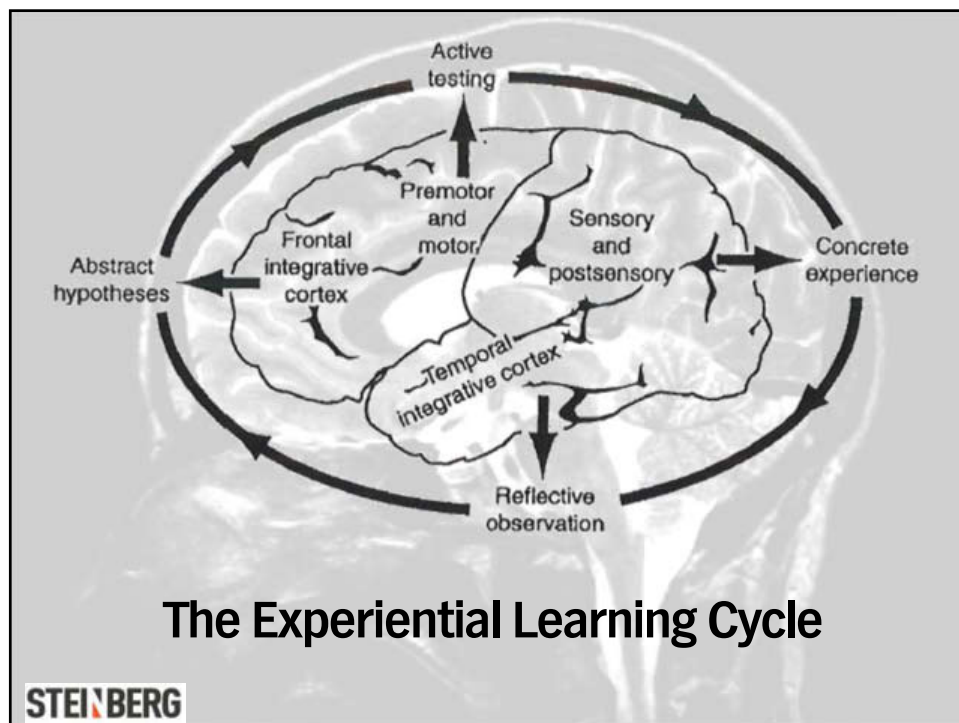
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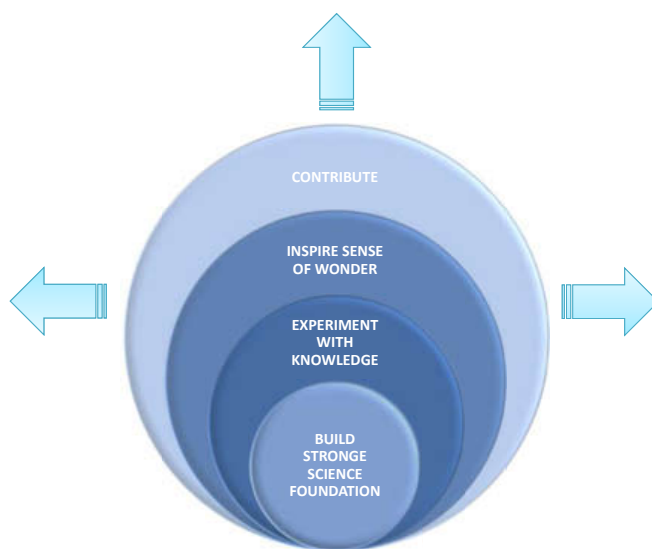
how we learn

- » Visual Imagist – learns through seeing pictures
- » Visual Verbalist – learns through seeing words
- » Auditory Oral – learns by talking and hearing themselves talk
- » Auditory Aural – learns by listening to others
- » Motor Mechanic – learns through the use of fine motor muscles
- » Motor Kinesthetic – learns through the use of gross motor

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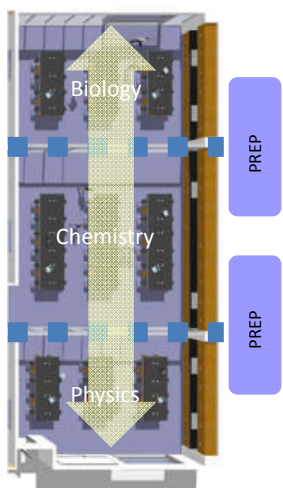


The Vision



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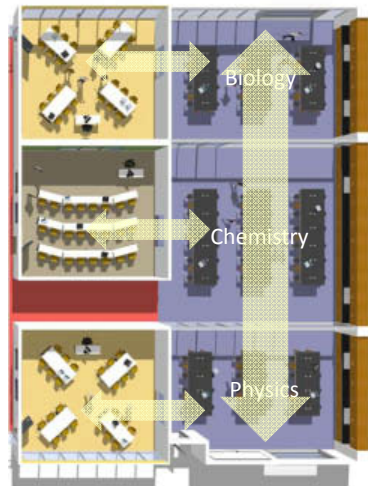
Step 1: Strong Science Foundation



- ☐ Integrated Studies
- ☐ Interdisciplinary Research
- ☐ Shared Prep Rooms

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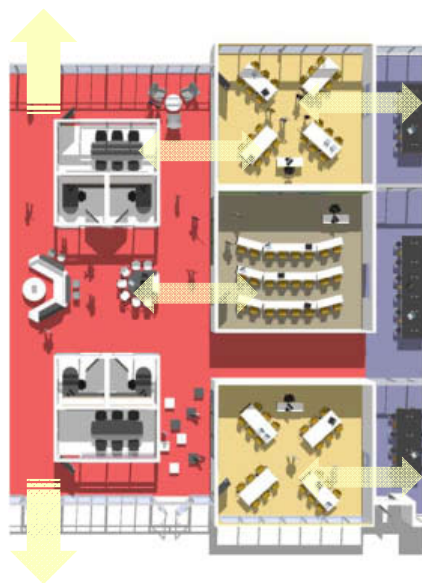
Step 2: Experiment with Knowledge



- ☐ Project Based-Learning
- ☐ Collaborative Teaching
- ☐ Flexible Space Use

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Step 3: Inspire A Sense of Wonder



- ☐ Display Work
- ☐ Technology Integration
- ☐ Team Work

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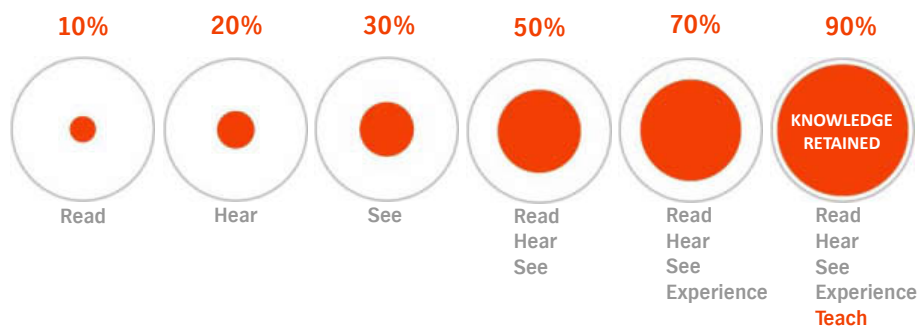
Step 4: Contribute



- ☐ Engage in Real-life Projects
- ☐ Partner with Organizations
- ☐ Respect the Environment
- ☐ Contribute to World Knowledge

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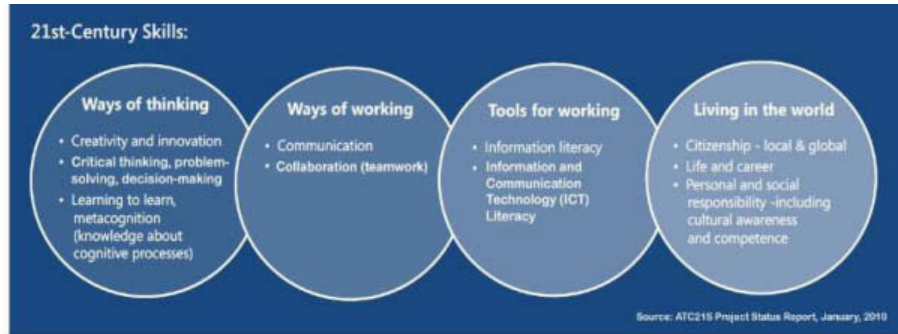
Research
Today's Students



Studies support the idea that learning is facilitated through hands-on, interdisciplinary, and experiential projects

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A Learner Focused Approach



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MASLOW'S HIERARCHY OF NEEDS



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Cross-Disciplinary Thinking

"The Importance of Undisciplined Thinking"
The Chronicle of Higher Education, September 4, 2013

"Is an MFA the new MBA?"
Fast Company, March 28, 2013

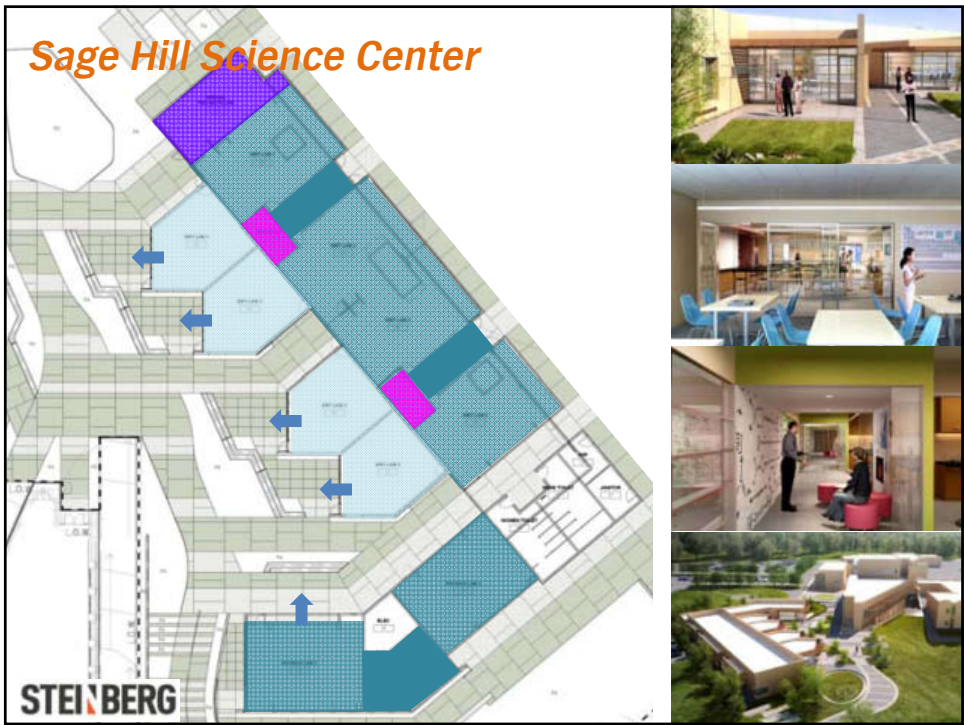
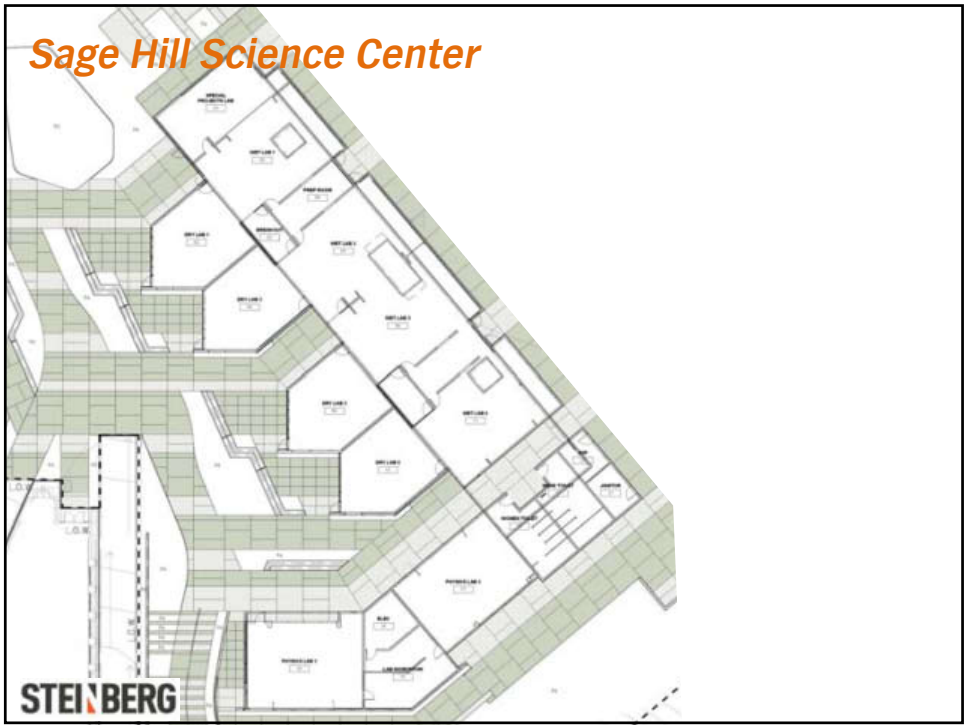
"Starting a Company? Skip Business School"
The Wall Street Journal, September 5, 2013

"High Growth Businesses Fuse Technology and the Arts"
Arts and Humanities Research Council, UK, News, October 15, 2013

"The Next Steve Jobs: How to Unleash the Great Minds of Tomorrow"
Wired, November, 2013

"Why Focusing Too Narrowly in College Could Backfire"
The Wall Street Journal, November 15, 2013

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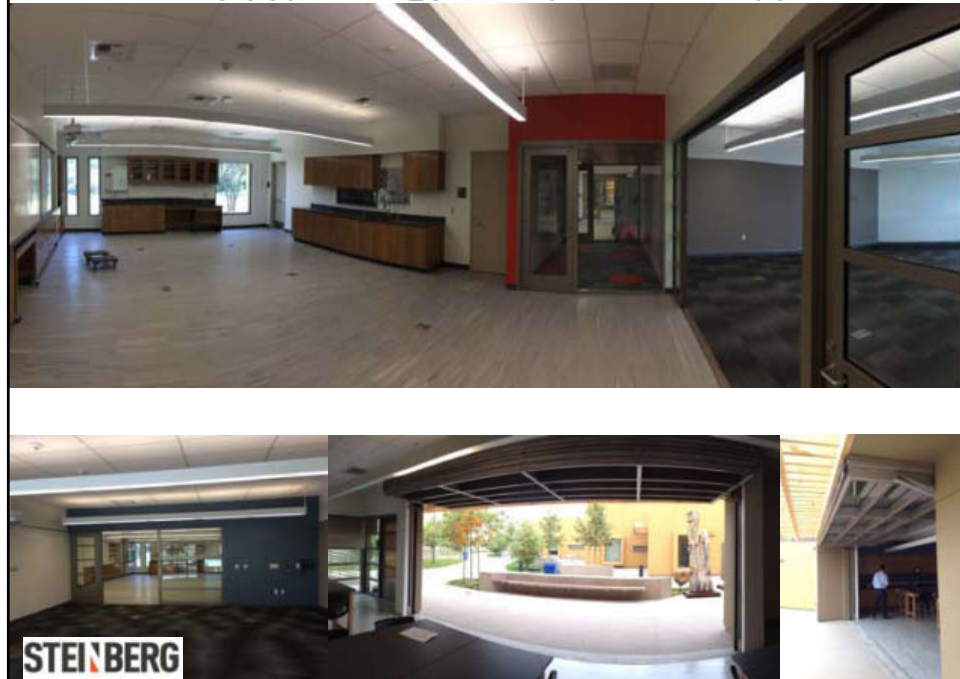








LEARNER FOCUSED . INQUIRY-BASED . INTER-DISCIPLINARY



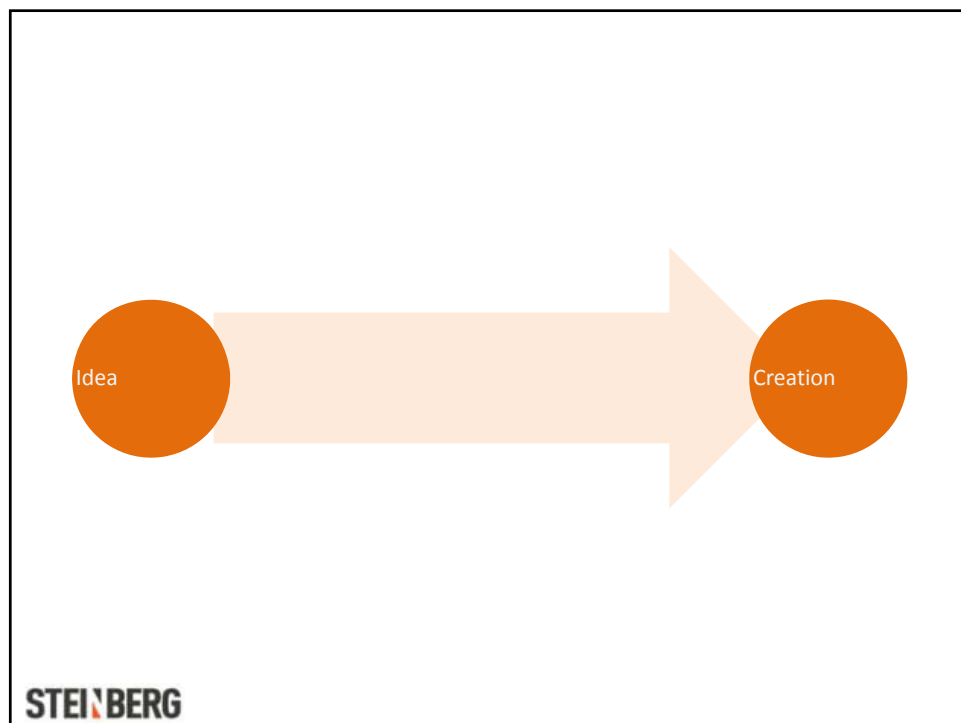
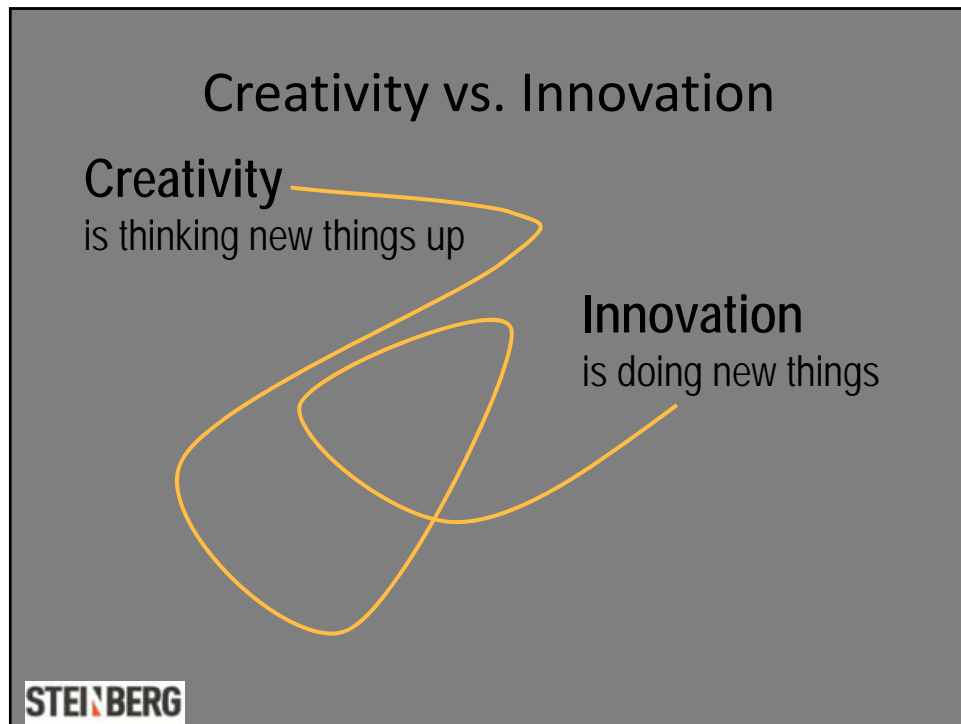


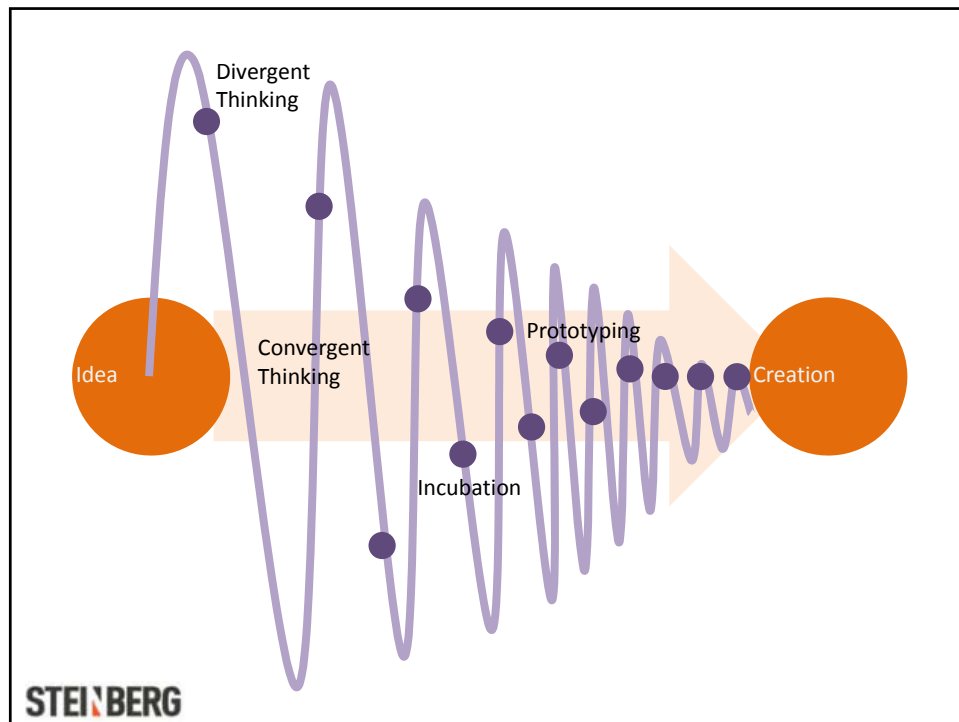


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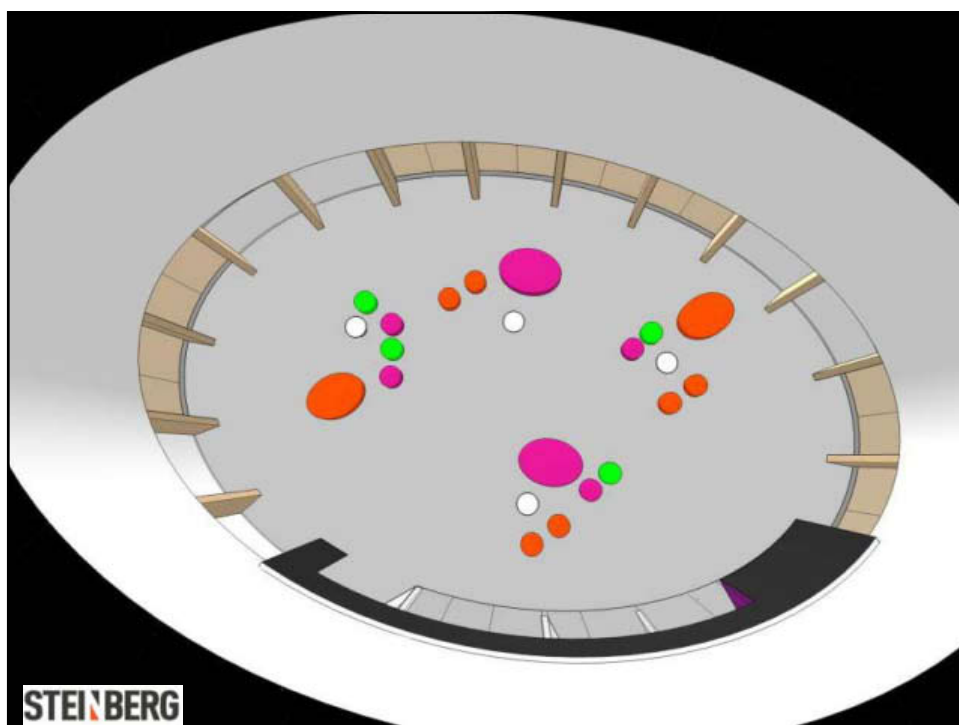
Student Profile

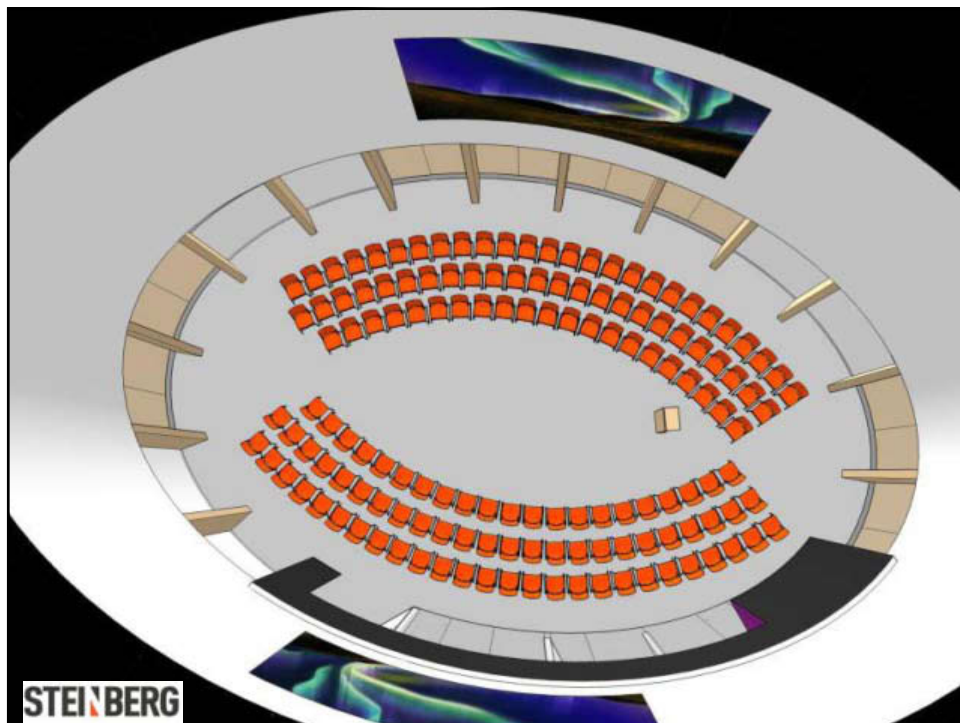
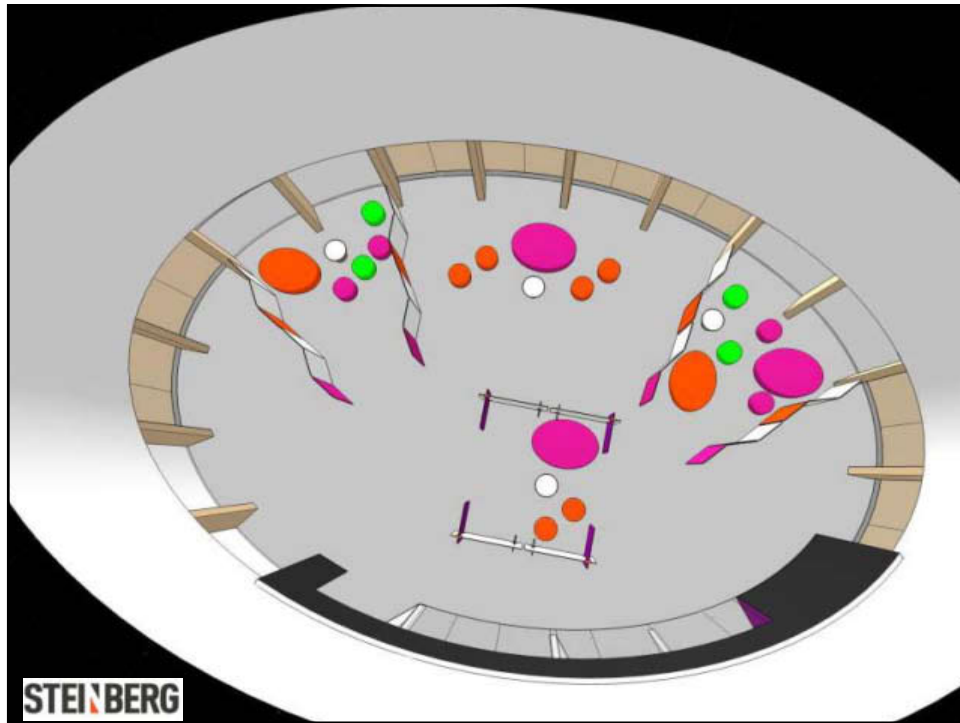
Seeking innovators, entrepreneurs, leaders, creators and disrupters who question the status quo.

Searching for critical thinkers and tinkerers who want to use their talents and abilities to initiate positive and groundbreaking solutions to virtually any type of problem.

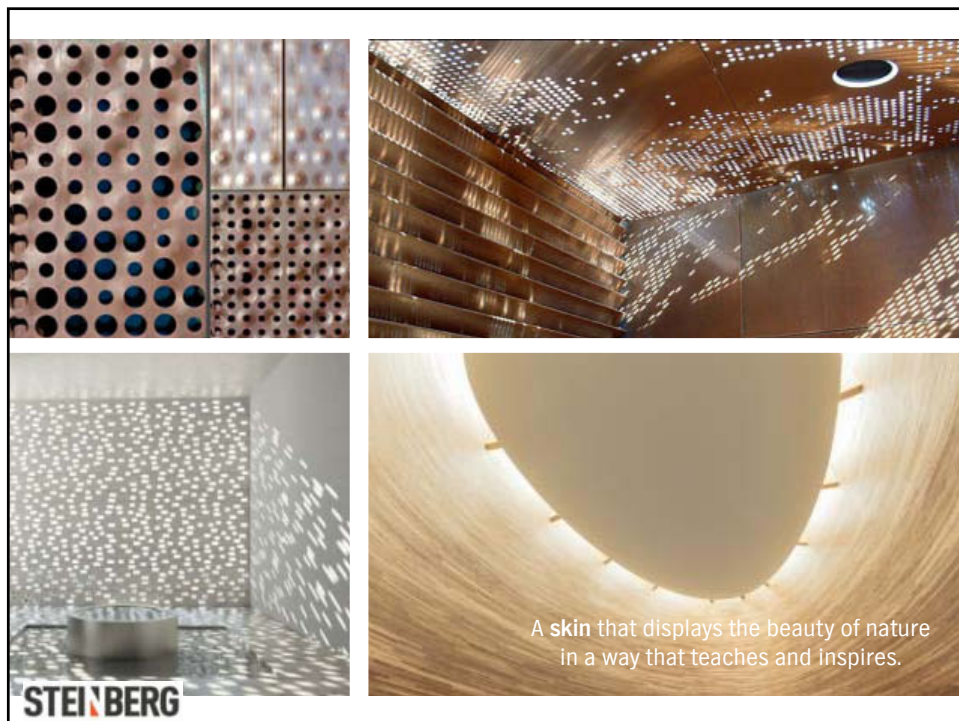
Pursuing inventors of the future who will thrive in interdisciplinary learning environments

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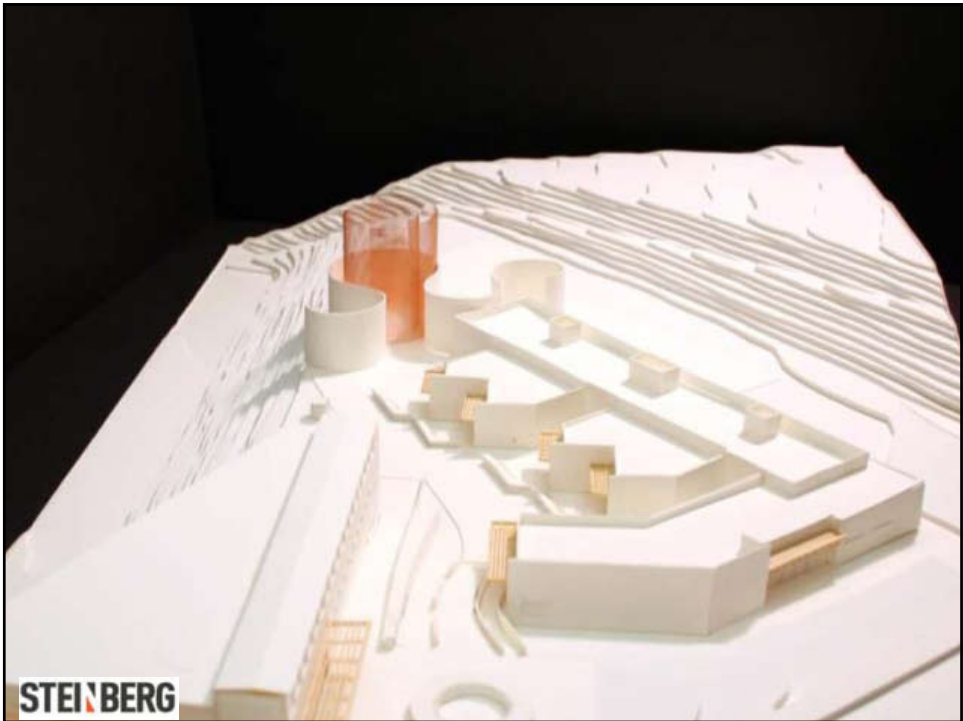
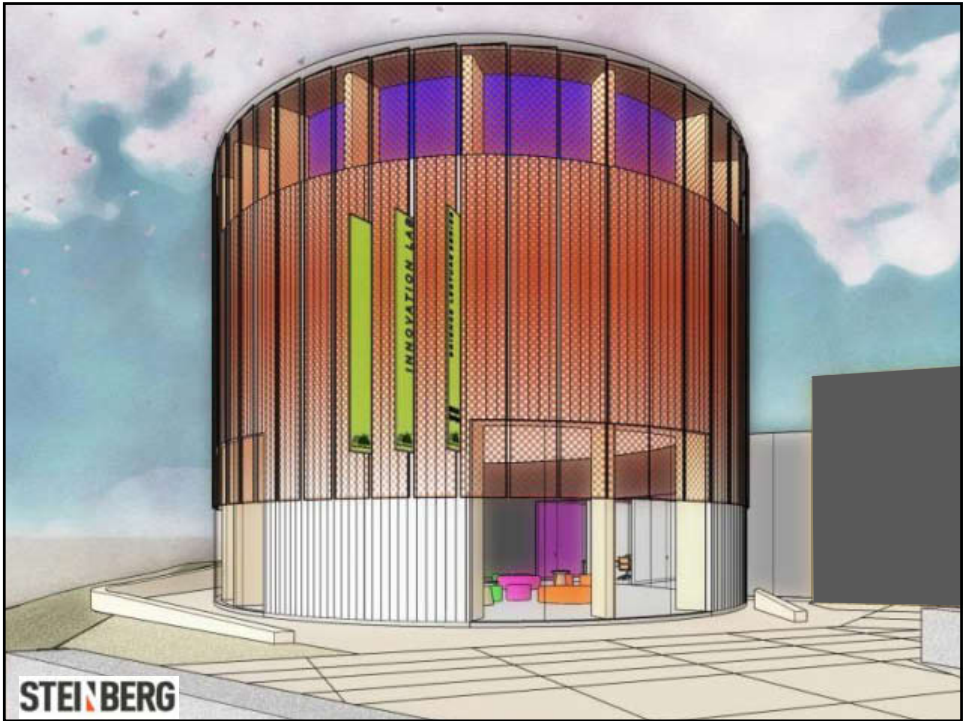








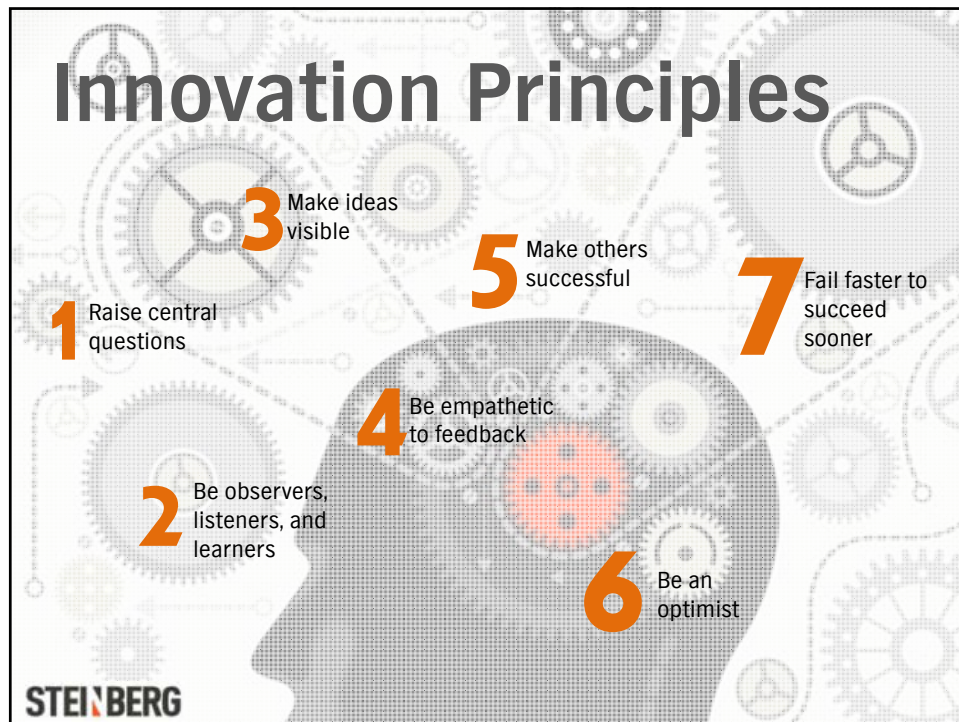
A **skin** that displays the beauty of nature
in a way that teaches and inspires.



- 01 Through the Looking Glass: The new K12 Paradigm
Gordon McNeill, President, Sage Hill School
- 02 A Mission to Nurture a New Generation of Inspired Innovators
Susan Metros, University of Southern California
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An Innovative Program

- The Stated Goal of the Program
- What are the components and challenges?
- What would the space look like?
- Share your Innovation.

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Thanks for your participation!



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