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

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.
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.

COLLEGE AND UNIVERSITY MATRICULATION
Nearly 100% of Sage Hill graduates pursue post-secondary education at four-year colleges and universities. This map represents an overview of the colleges and universities they have entered during the last four years.
be all you can be
we believe in the Whole Child Approach to education

inquiry-based learning
we evolve to challenge, inspire, and prepare students for an open-ended future by nurturing 21st century learners
service learning + local & global partnerships
we evolve to challenge, inspire, and prepare students for an open-ended future by nurturing 21st century learners

campaign for innovative learning and the strategic plan
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

The Experiential Learning Cycle
The Vision

CONTRIBUTE

INSPIRE SENSE OF WONDER

EXPERIMENT WITH KNOWLEDGE

BUILD STRONG SCIENCE FOUNDATION

Step 1: Strong Science Foundation

- Integrated Studies
- Interdisciplinary Research
- Shared Prep Rooms
Step 2: Experiment with Knowledge

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

Step 3: Inspire A Sense of Wonder

- Display Work
- Technology Integration
- Team Work
Step 4: Contribute

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

Studies support the idea that learning is facilitated through hands-on, interdisciplinary, and experiential projects.
A Learner Focused Approach

**MASLOW’S HIERARCHY OF NEEDS**

5.0 Self-Actualization
- Pursue Inner Talent, Creativity & Fulfillment

4.0 Self-Esteem
- Achievement, Mastery, Recognition & Respect

3.0 Belonging/Love
- Friends, Family, Spouse & Lover

2.0 Safety
- Security, Stability & Freedom From Fear

1.0 Physiological
- Food, Water, Shelter & Warmth
### Why Collaborate?

**Cross-Disciplinary Thinking**

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<thead>
<tr>
<th>Article Title</th>
<th>Source</th>
<th>Date</th>
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<tr>
<td>“Is an MFA the new MBA?”</td>
<td><em>Fast Company</em>, March 28, 2013</td>
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Sage Hill Science Center
Through the Looking Glass: The new K12 Science Paradigm
Video: Science Chair, Sage Hill School

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

Innovate Learning through Architecture
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Workshop

Closing Remarks

Educating for Innovation
Creativity vs. Innovation

Creativity
is thinking new things up

Innovation
is doing new things
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.
next steps: the exploratorium
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

03 Innovate Learning through Architecture  
Sonnet Hui, Steinberg Architects

04 Workshop

05 Closing Remarks

It's workshop time...
Innovation Principles

1. Raise central questions
2. Be observers, listeners, and learners
3. Make ideas visible
4. Be empathetic to feedback
5. Make others successful
6. Be an optimist
7. Fail faster to succeed sooner

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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   *Science Chair, Sage Hill School*

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**Thanks for your participation!**