

Foresight 101

Tapping Our Inner Futurist



Design by:
Garry Golden
Forward Elements, Inc

College and Career Ready Summit
PDF Copy:
www.garrygolden.net/Idaho2012

Start

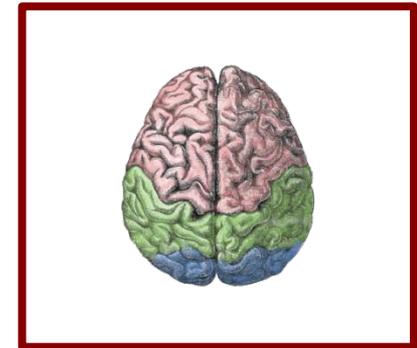
End



*Demystifying
the Future*



Drivers of Change



Foresight Skills





You will inherit a
large sum of money

IF YOU HIT THIS SIGN
YOU WILL HIT THAT BRIDGE





WAIT FOR IT

.....Wait for it.....

Every day I make an effort to go
toward what I don't understand.

Yo-Yo Ma

Fundamentals of Foresight

Identifying & Monitoring Change

- Horizon Scanning
- Issues Analysis
- STEEP Categories

Society

Technology

Economics

Environment

Politics

Exploring Implications

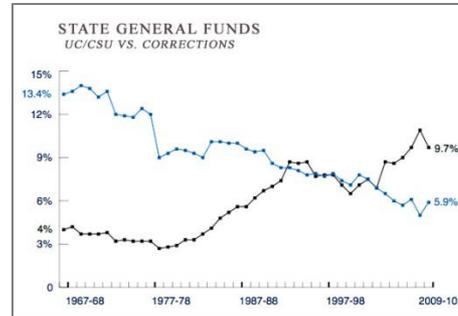
- Forecasts
- Scenarios

Communicating Change

- Visioning
- Planning
- Goals – Objectives - Actions
- Metrics / Roadmaps
- Evaluation
- Iterative Planning

Foresight 101: Three Mechanisms of Change

Trends
(Continuities)



**Plausible
Future**

Forecasts

Events
(Discontinuities)



**Possible
Futures**

Scenarios

Choices
(Discontinuities)



**Preferred
Futures**

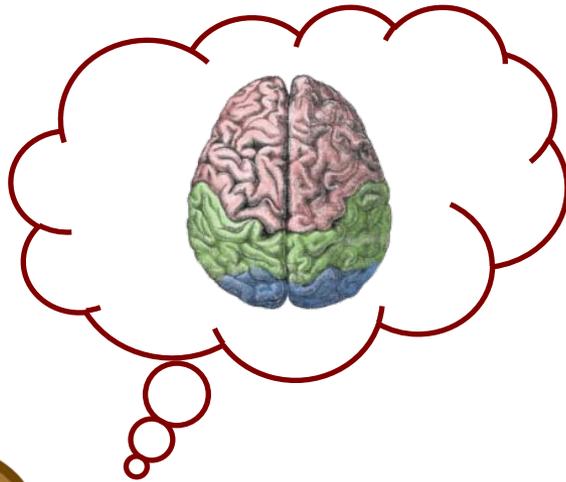
Visions



Job Application

Personal Information

NAME (LAST NAME FIRST)		SOCIAL SECURITY
ADDRESS		PHONE
PHONE NO.	CITY	STATE
Employment Desired		



**What is our college and
career ready *talent* strategy?**



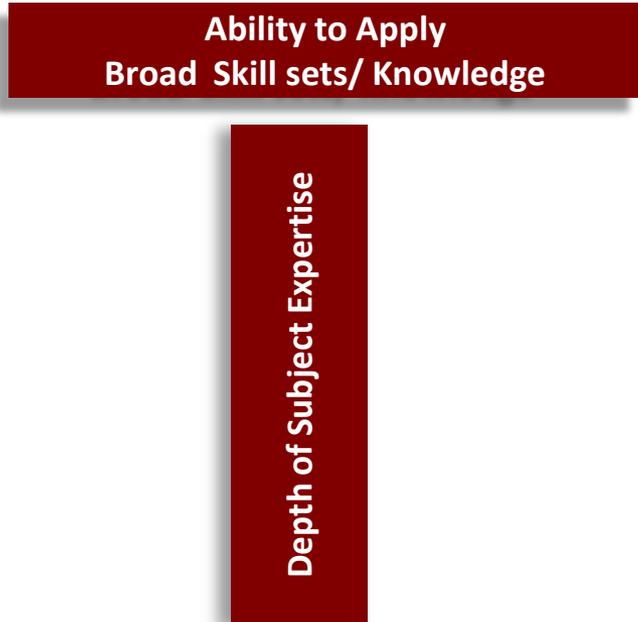
T-shaped Talent Strategy

**Ability to Apply Broadly Across
Situations & Disciplines**

Depth of Subject Expertise

**What does a future
T-shaped professional look like?**

What does a T-shaped learner look like?



Tapping Our Inner Futurist?

Entrepreneurs

- Ability to Anticipate & Adapt to Change (Seek Opportunities & Alternatives)

Managers

- Ability to Assess & Measure
- Leverage Diversity of People & Tools

Leaders

- Ability to Communicate the Need for Change (Visioning / Storytelling)

Foresight: The Front End of Innovation



**Learner
Culture**



**Place-based
Experiences**



In the News

The visionary entrepreneur has leaked plans in a recent *Esquire* interview on –what the magazine is calling - *Galactic Inner Space*.

The venture will focus on retreat centers aimed at individuals seeking to *unplug* and turn inward.

True



False

The US Air Force is exploring the development of a *Social Radar* dashboard pulling data from Facebook/Twitter, political polls, drones, relief worker reports, retail sales, and infectious disease alerts to identify potential *tipping points* in social behavior change.

True



Social Radar Dashboard

False



Team

Jobs

Contact

Launching soon!

ToyTalk blends art and technology to create a whole new experience in mobile family entertainment.

True

False

Google Ventures – the company's internal venture capital group recently invested in a startup called: **Smarterer** which validates digital, social, and technical skills, using crowd-sourced test design and an adaptive scoring algorithm similar to the one used to rank chess masters.



True

False



[The New BristolRising.com](#)

[Bristol Rising: The Video](#)

[Downtown Living Progress](#)

[Interested in living downtown? Click here to choose your residential preference!](#)

[New website finally here](#) ▾



Hey Risers! Welcome, welcome, and welcome! It's our brand spanning new site. Still smells like we just drove it off the lot. Please browse around and check things out. Interact with it, tickle it, have fun. If there's something funky, ...

27 February 2012

[READ MORE ...](#)

[Kudos to the Bristol Rising Team!](#) >>

[Home Show Success!](#) >>

True

False



IBM WATSON

Watson for a Smarter > Industry Perspectives > Healthcare

2:16 [Volume] [Full Screen] SHARE

Healthcare

Medical records, texts, journals and research documents are all written in natural language – a language that computers traditionally struggle to understand. A system that instantly delivers a single, precise answer from these documents could transform the healthcare industry.

"In healthcare, we talk about turning data into knowledge. That's really what Watson does."

Joe Jasinski
Program Director,
IBM Healthcare and Life Sciences
Research

Thought leaders including Dr. Herbert Chase, Professor of Clinical Medicine at Columbia University School of Physicians and Surgeons, share their insights on how the DeepQA technology that powers Watson could impact the way doctors diagnose and treat patients.

gning
n the Spring



1:54 [Volume] [Full Screen] SHARE

Finance

Enormous amounts of data are generated every day in the financial industry. Watson, the IBM computer system designed to compute on seconds, has the deep analytics capability that could help businesses extract knowledge from this data in order to identify patterns and make more informed financial decisions.

"The currency of financial services is information."

Carl Abrams
Financial Services Sector Business
Executive for IBM Research

See how leaders in analytics think the DeepQA technology that powers Watson could transform how the financial industry does business.

1:02 [Volume] [Full Screen] SHARE

Customer Services

IBM experts share their thoughts on how DeepQA technology could help transform the customer service industry into a faster, more accurate experience.

"Imagine if you had a system where you just called Watson, asked a question, and you get the answer in real time."

Paul Bloom
IBM Chief Technology Officer for
Telecommunications Research



True

False



**Learner
Culture**



**Place-based
Experiences**



"On the Internet, nobody knows you're a dog."

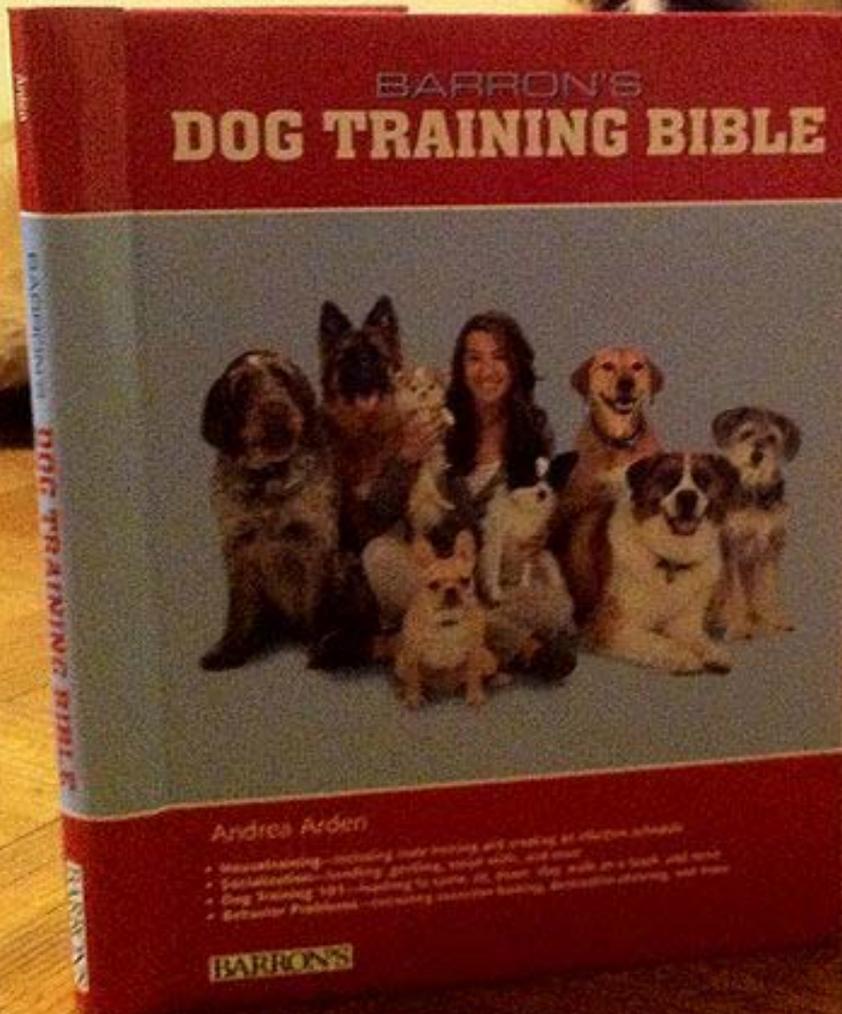
Anonymous Web to a more
1998

**"On Facebook, 273 people know I'm a dog.
The rest can only see my limited profile."**



Social Web
2008

Now everyone knows I'm working on some personal growth issues





Era of
Apprenticeship

Era of
Institution

Era of
Learner



**Disruptions of
Books & Industrial Work**

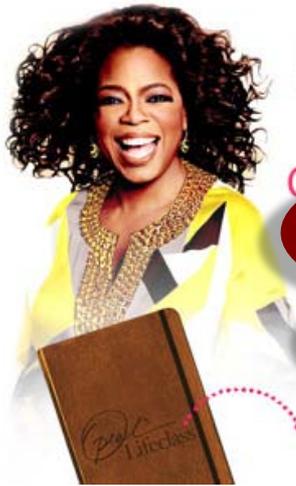
**Disruptions of
Web & Knowledge Economy**





KHAN
ACADEMY

Flip the
Learning Experience



Oprah's
Lifeclass

Get it

and more

First million students by
Oprah's class journal **

OWN
OPRAH WINFREY NETWORK

ShowMe

moodle

ATURE



Blackboard

SKILLSHARE



How will these companies
interface with public and
private sector organizations?

Lifelong Learning
Media Empire

Web = Platform for
Learning Media



This is us!

Continuity of
Outcomes

Private Sector
Involvement

Institutional Role in
Changing Behavior?

Libraries & Formative Learning:

Data & Behavior Change

**and the end of high stakes testing



Role of Data: Self-Awareness & Behavior Change





Like



I Don't
Understand

What metrics linked outcomes can we
imagine via these feedback loops?

Prescriptive

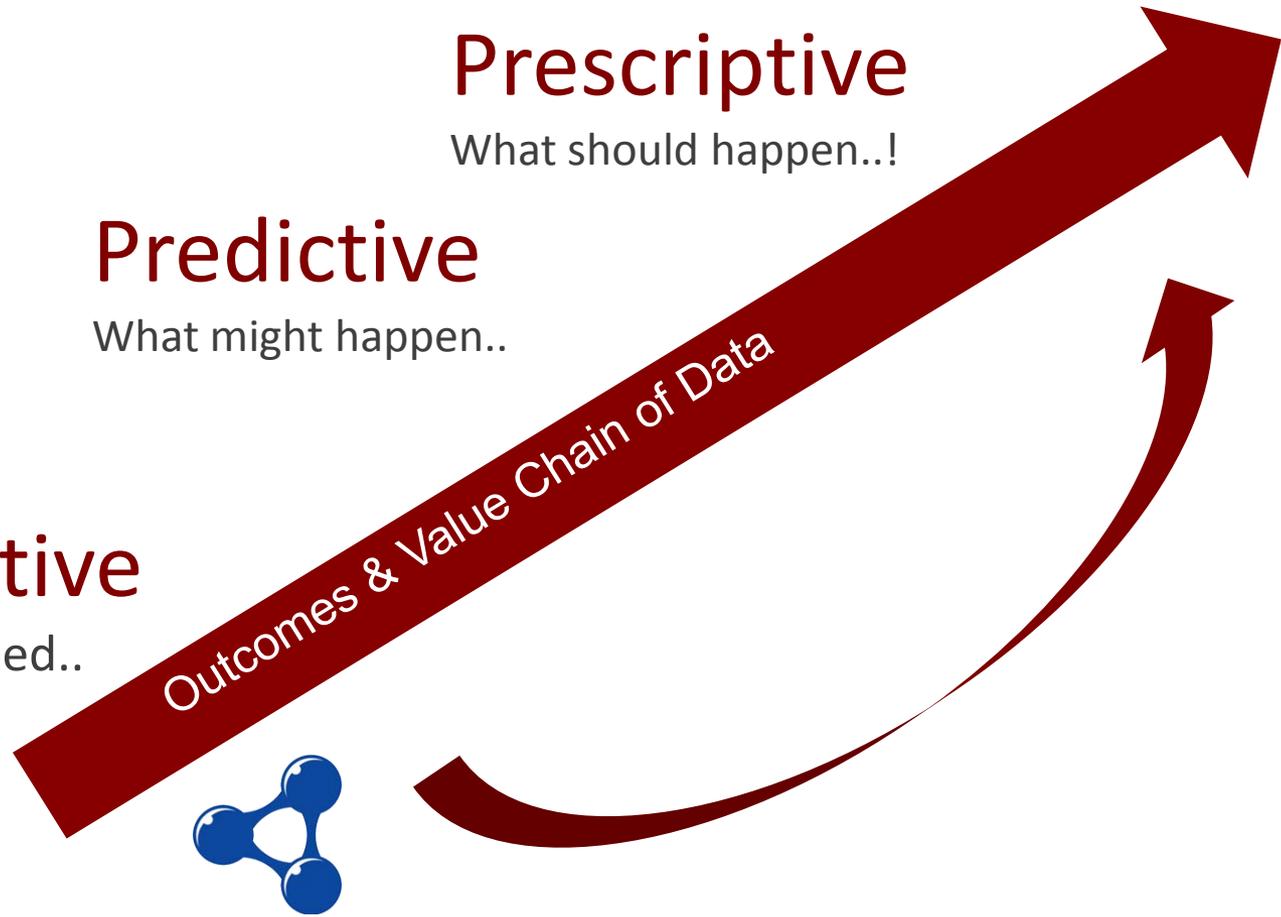
What should happen..!

Predictive

What might happen..

Descriptive

What happened..



Library Experience Design = Prescriptive Data

What can we learn from Weight Watchers on designing experiences to improve learner outcomes?



'Gaming Mechanics' Design Principles:

- **Rules & Rewards**
- **Quests & Challenges**
- **Badges & Recognition**
(‘Level up’ Stages of Mastery)
- **Reputation Management**
- **Teamwork & Strategy**
- **Continual Feedback**



Experience Design = *Novice to Expert* Level Skills



Micro-Experiences

Make the Plant (Vine) 'Grow'



THE SMART WAY TO A BETTER YOU

Basis is a device that tracks heartbeats and more to paint the most useful picture of your health. Stay motivated by accumulating points and praise for your progress.

[RESERVE NOW](#)

510



214



173 people

Track calories, lose weight



Follow Your Heart

Advanced sensors capture heartbeats and more to paint a picture of your health that's richer than motion-based devices. No chest straps, no headbands. Just Basis.

[TAKE THE TOUR](#)

Look Good

Work or play, rain or shine, Basis is with you in all walks of life. Attractive, comfortable... you'll look great wearing it.

[TAKE THE TOUR](#)

Keep Track

Monitor daily, weekly, and monthly progress...right down to the calorie, step or minute of sleep. No fiddling with exercise or sleep "modes" like other devices. Just put it on and go. We'll do the rest.

[TAKE THE TOUR](#)

Have Fun

Share your milestones with friends. Stay motivated by accumulating points and praise for your progress. Smile! Fitness feels good.

[TAKE THE TOUR](#)



First Look

WELCOME TO PLAYGROUND

A NEW GENERATION OF PIANO LESSONS
Choose a hit song from contemporary artists and start playing piano immediately.

- 1 Download Software
- 2 Plug in a Keyboard
- 3 Start Playing and Learning

DOWNLOAD FREE TRIAL

EXPLORE THE PLAYGROUND

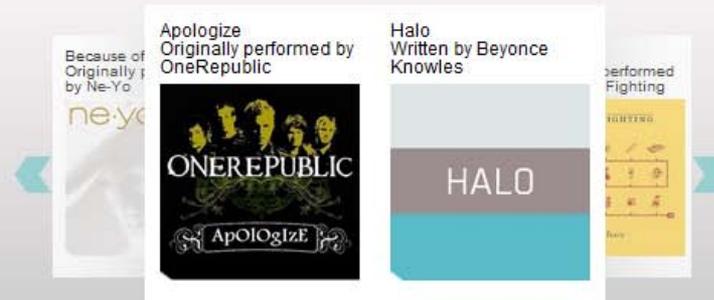


PLAY LIKE DAVID SIDES

LEARN PIANO BY PLAYING THE SONGS YOU LOVE



You may not be a self-taught virtuoso like David, but with Playground Sessions you don't have to be. Play along, learn with ease, and have fun as he shares his methods.



WATCH & LEARN MORE

SEE FULL LIBRARY

Playground Sessions: 30 days to play

by PlaygroundPiano

HIDE

What skills and mindset-building Quests
might our young people pursue?

2:29 / 2:52

YouTube

mozilla

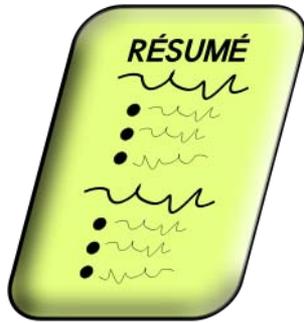
OpenBadges

Get public recognition for your skills and achievements



badges = visual representations
of a **skill** or **achievement**

Looking beyond badges to helping young
people tell their story of personal growth



Rethinking

- Resumes
- Library Membership

Telling Stories of Skill sets and Mindsets

How do libraries help learners manage their portfolios & web presence?

From Resume to Portfolio to Presence

Readiness = Telling Stories of our Growth



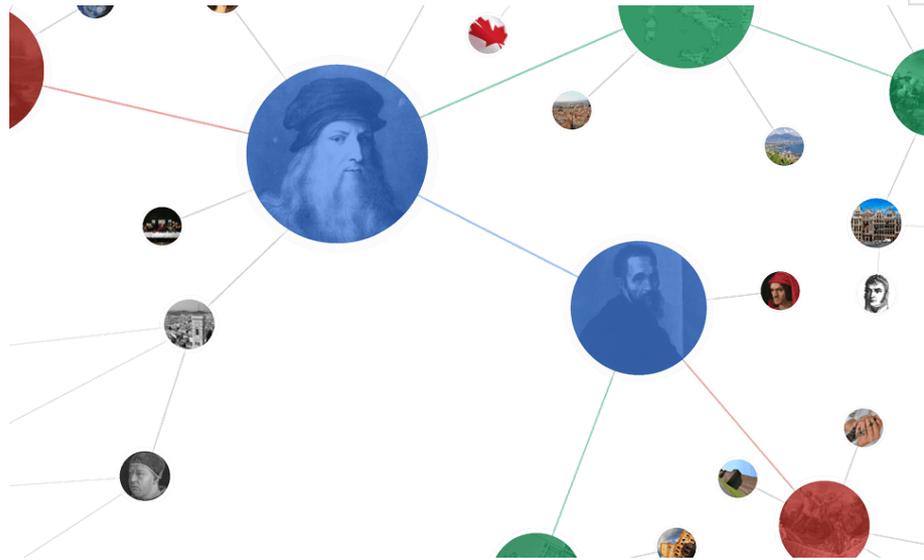
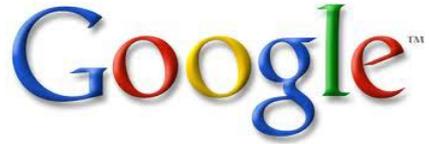
Foresight: The Front End of Innovation



**Learner
Culture**



**Place-based
Experiences**



The Knowledge Graph

Pages Maps Play YouTube News Gmail Documents Calendar More

frank lloyd wright

avidiker80@gmail.com 5 + Share

About 19,100,000 results (0.66 seconds)

SafeSearch off

Showing results for **frank lloyd wright**
Search instead for *frank lloyd wright*

Frank Lloyd Wright Foundation
www.franklloydwright.org/
The foundation established by Wright himself at Taliesin West in Arizona aims to advance the principles of organic architecture and preserve Wright's archive.

Frank Lloyd Wright - Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/Frank_Lloyd_Wright
Frank Lloyd Wright (born Frank Lincoln Wright, June 8, 1867 – April 9, 1959) was an American architect, interior designer, writer and educator, who designed ...
→ List of Frank Lloyd Wright works - Fallingwater - Taliesin - Mamah Borthwick

Frank Lloyd Wright architecture tours, Home and Studio - Oak Park...
www.gowright.org/
Architecture tours of the **Frank Lloyd Wright** Home and Studio, Robie House – a Prairie style masterpiece, and The Rockery Building in Chicago. Featuring the ...

Frank Lloyd Wright biography
www.cmgw.com/historic/fllw/bio.html
Frank Lloyd Wright containing a biography about his life.

Frank Lloyd Wright
www.pbs.org/fllw/
PBS **Frank Lloyd Wright** Web site, a companion to the Ken Burns/Lynn Novick film, *exploring biographical information, designs and blueprints* ...

Frank Lloyd Wright
Frank Lloyd Wright was an American architect, interior designer, writer and educator, who designed more than 1,000 structures and completed 500 works. [Wikipedia](#)

Born: June 8, 1867, **Richland Center**
Died: April 9, 1959, **Phoenix, AZ**
Education: University of Wisconsin-Madison
Spouse: Olgivanna Wright (m. 1928), Maude "Miriam" Wright (m. 1923–1927), [More](#)
Children: John Lloyd Wright, Lloyd Wright

Structures

 Fallingwater	 Taliesin	 Taliesin West	 Robie House	 Ernst House
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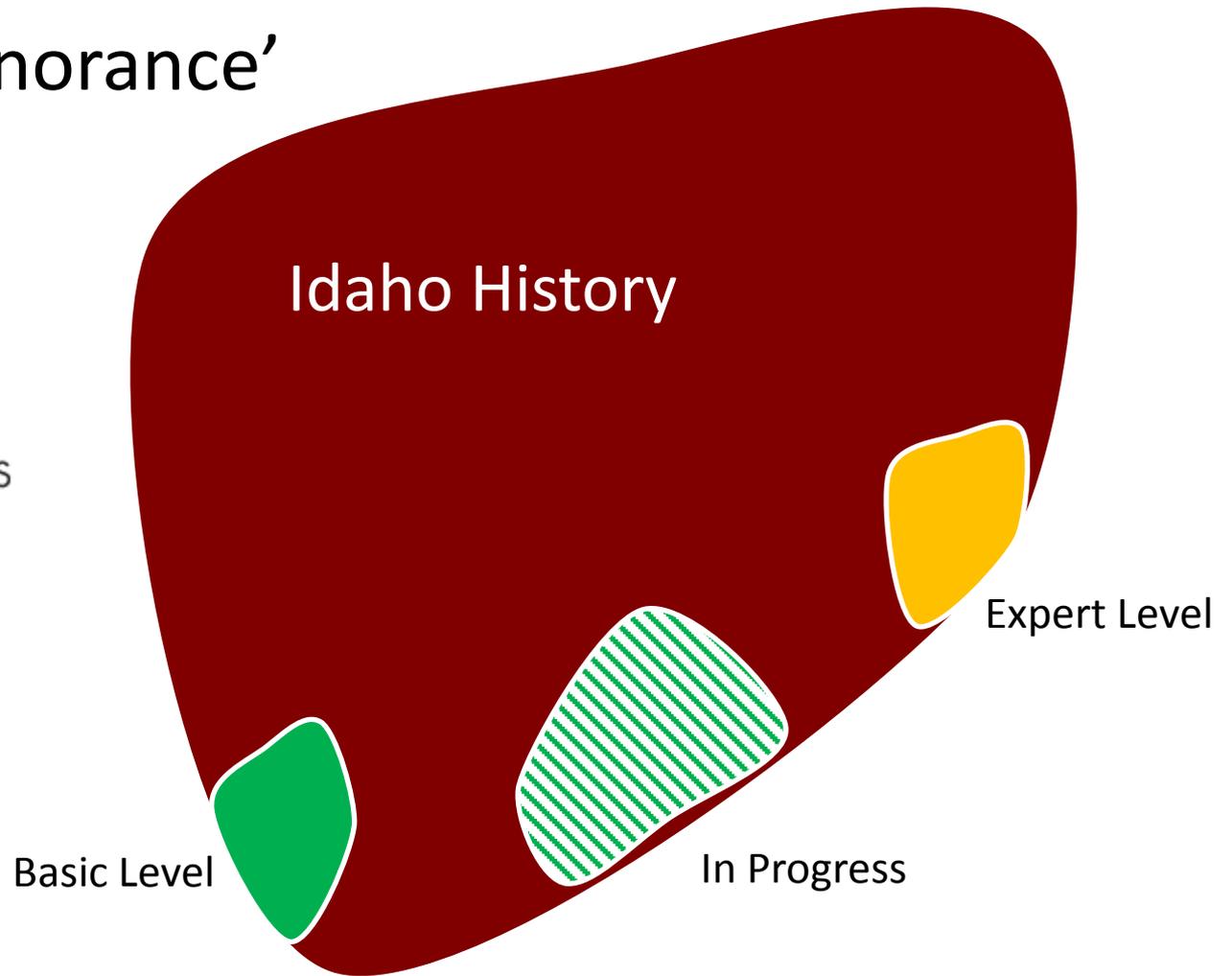
People also search for

				
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Learning Graph

'Map of my ignorance'

Danny Hills



The Importance of Place



Community Experiences & Transformation of Place



...art gallery show tonight!

...on my way to the library then home

...starting a local reading group!

...welding class

...join my son and I
photographing city

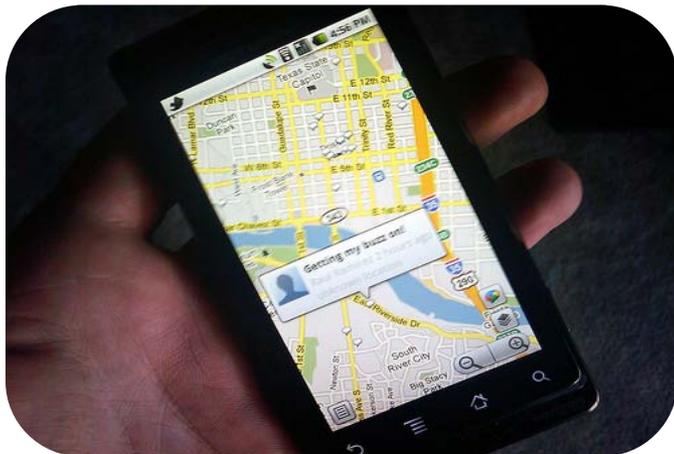
How do we leverage place-based discovery and sharing?



Place-based Experience Design



cafes
Lobbies Pedestrian-malls
Hospitals bookstores
Lawns Pop-up-Architecture Nature-Trails
Transit-Stations Co-Working-Spaces
buildings Libraries
Alleys Staircases parks Restaurants
streets



Not Work (School), Not Home
'Third Place'

How do we design across the emotional spectrum?



Secret Cinema



Delivering the Unexpected



Transforming Familiar Places



Combining Function
[Co-Working / After-School]

How do we reimagine tool kits & products?



What is Open Field?

Open Field is a project of the Walker Art Center that invites the public to help transform our big, green backyard into a cultural commons. Join us this summer to partake in or create an array of activities that bring together relaxation, recreation, and exploration.

[Read More](#)

Open Field Weather



57.0 ° F
A Few Clouds
Last Updated on Sep 28 2010,
8:53 am CDT

Public Events Submitted



140 Events
[Add your own events](#)

Open Field Blog

Red76's Floating Academy final report
Sarah Peters, September 13

A Lively Discussion on the Field about What Makes Something Art
Courtney Gerber, September 10

Views from the Open Field: 10 Highlights from the Summer
Chloe Nelson, September 1

Lessons Learned 3: Chris Kennedy Amara Antilla, August 31

Interview with Auctioneer, Glen Fladeboe Ashley, August 31

Get your bids ready, the auction's coming to town and here's some swell stuff!
Ashley, August 27

Come one, come all, to the auction on Sept. 4th! Ashley, August 25

Open Field Tool Shed



The Tool Shed is stocked with supplies for entertaining the kids for the young at heart, chilling out with friends, sparking creativity, or simple, unadorned relaxation. Find yourself a sketch pad, a new read, a portable radio, a deck of cards, and a blanket to stretch out on. Everything is free for check out.

Tool Shed Hours September 9-October 2:
Thursday, 4-8 pm-8 pm; Friday-Sunday, 11 am-5 pm

The Tool Shed is closed during inclement weather.
Stay tuned for developments in next year's Open Field [at the Facebook page](#).



Photo by shtabls
Photo by wchhu, cc



AGNES

Age Gain Now Empathy System

What are problems to solve via 'Hacker' events?

Experience &
Purpose-driven Events

HACK NY

**REINVENT NYC.GOV, NEW YORK CITY
GOVERNMENT'S FIRST HACKATHON**

NYC gov hosts first hackathon



How do we tap momentum of *making things*?

Fort Wayne Regional
Maker Faire



A Public Art & Technology Laboratory
Interconnecting Imagination, Technology and Community

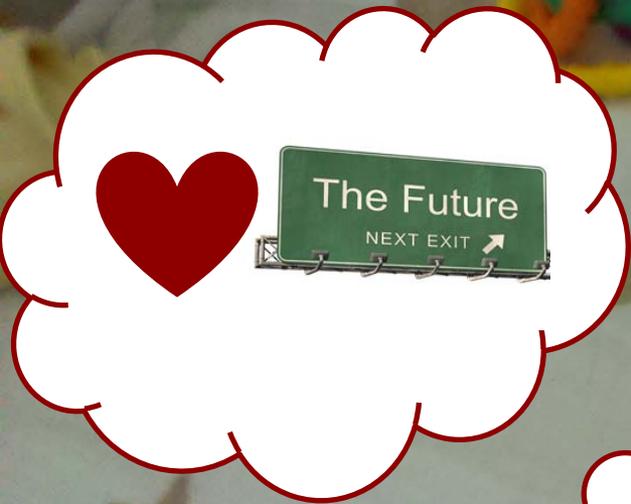
Place-based Experience Design

- What are new assumptions to embrace?
- What might be resisted within staff/community?
- What are natural-fit opportunities?
(e.g. Program Areas; Physical location)
- What are new types of partnerships to explore?



I don't
like the
future...





Every day I make an effort to go toward
what I don't understand.

Yo-Yo Ma



Daddy is a
futurist



**Learning
More...**

Badges

**Third
Place**

Globalization

**Learning
Management
Systems**

Prescriptive Data

**Behavior-Change Gaming
Mechanics**

**Personal
Assistants**

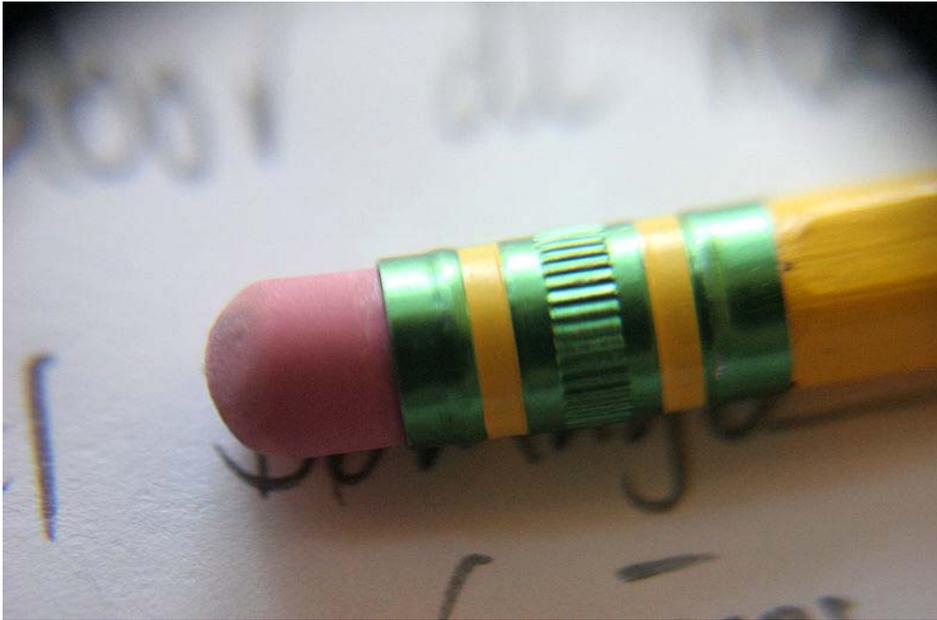
Big Data

**Millennial
Parents**

**Portfolios &
Presence**

Tip #1

Embrace Mistakes



FAILfa[💡]re

Tip #2

Follow Passionate People & Smart Conversations



Tim O'Reilly



Nancy Duarte



Hans Rosling



Neil deGrasse Tyson





Tip #3

Hiring People: Not Like Us! & Creating New Positions



Job Application

Personal Information

NAME (LAST NAME FIRST)

ADDRESS

PHONE NO.

CITY

Employment Desired



Tip #4

'Killer Questions' to Brainstorm Ideas



killerquestion

@killerquestion

A feed of killer questions that will unlock killer ideas .. also follow @philmckinney

<http://www.killerinnovations.com>



killerquestion killerquestion

#KQ What **#customer** **#segment** will emerge in 5 years that doesn't exist today? <http://om.ly/ytUv>

28 Oct

1. What if we invited a gaming mechanics team to redesign membership levels around acquired skill sets?
2. What if we had rooms (or services) that must be 'unlocked' via a quest?

Garry Golden

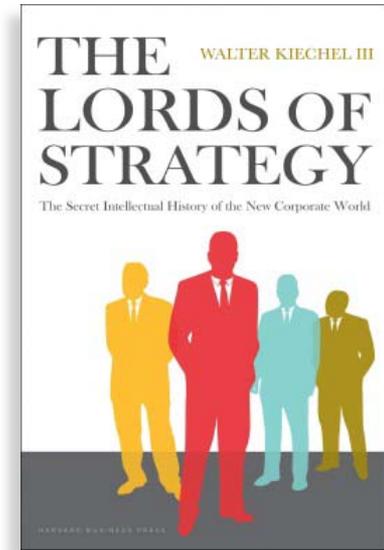
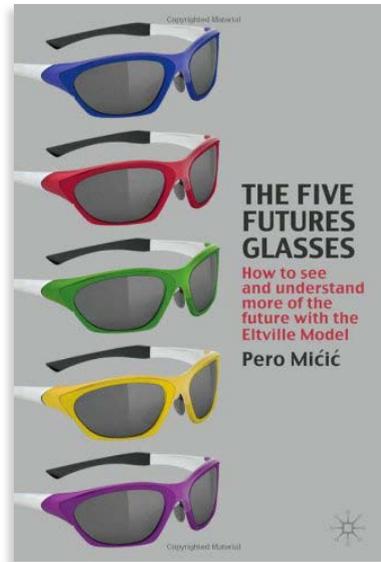
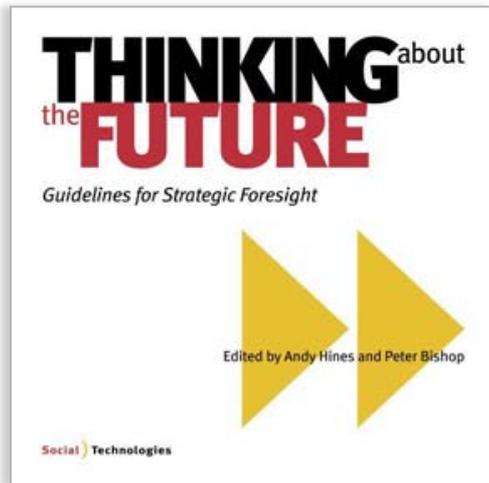
www.garrygolden.net

garrygolden@gmail.com

347-463-7412

www.garrygolden.net/Idaho2012





Thinking about the Future ***The Five Futures Glasses***
- Andy Hines & Peter Bishop ***By Pero Micić***

The Lords of Strategy
By Walter Kiechel

Most uncomfortable = _____
Most Inspired = _____
Biggest Opportunity = _____
Biggest Risk = _____

