

Learning together
Four elements
for STEM-humanities *compositionism*



Compositionism, in theory...what is it?

“Ecology of knowledge” (Liu)

Miscellany > effective thinking (Benzon)

Natural human practice : *Découvrir* (Latour)



Compositionism, in practice...how executed?

In *chemistry & pharmacology*

In *architecture*

In *language*

In *arts*



Compositionism: Four tenets

Identifying core values

Framing the core values

Placing core values in public

Generating, building, re-building



Tenet #1: *Core values*

Defined generally

Defined in STEM, math in particular

Defined in humanities & in arts

Defined across generations

Rendered “compositionist”



Tenet #2: “*Framing*” values & *strategizing*

Defined generally

Defined in economics

Defined across STEM

Defined in linguistics

Defined in the arts

Compositionist?



Tenet #3: *Placing* values before the public

Defined generally: Wisdom of the crowd

Defined & done in STEM

Defined & done in arts

To the *compositionist*:

“Self-criticism as well as criticism”



Tenet #4: *Generating, building, re-building...*

What is being built?

Who is doing the building?

How is this building happening?

For whom is the building being done?

Why is it happening... and *why* right now?

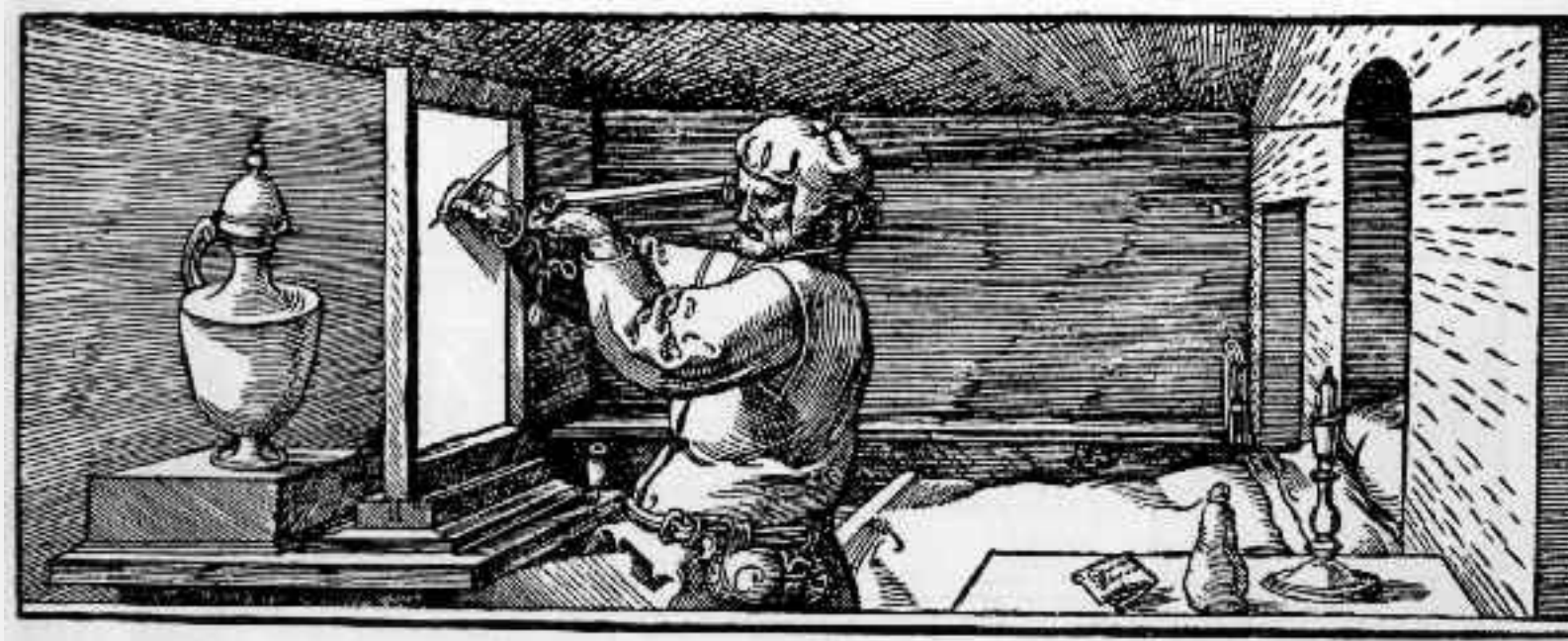
Why/how does it matter to *whom*?



Compositionism viewed on two axes

Academic areas: STEM & arts/humanities

Age/generations: Boomers & beyond...Millennials & more



Compositionism in academe

The *four* tenets, summarized for schools

Core values, frames, publishing, building

The *four* tenets from “above” & “within”

Administration, faculty, staff, students

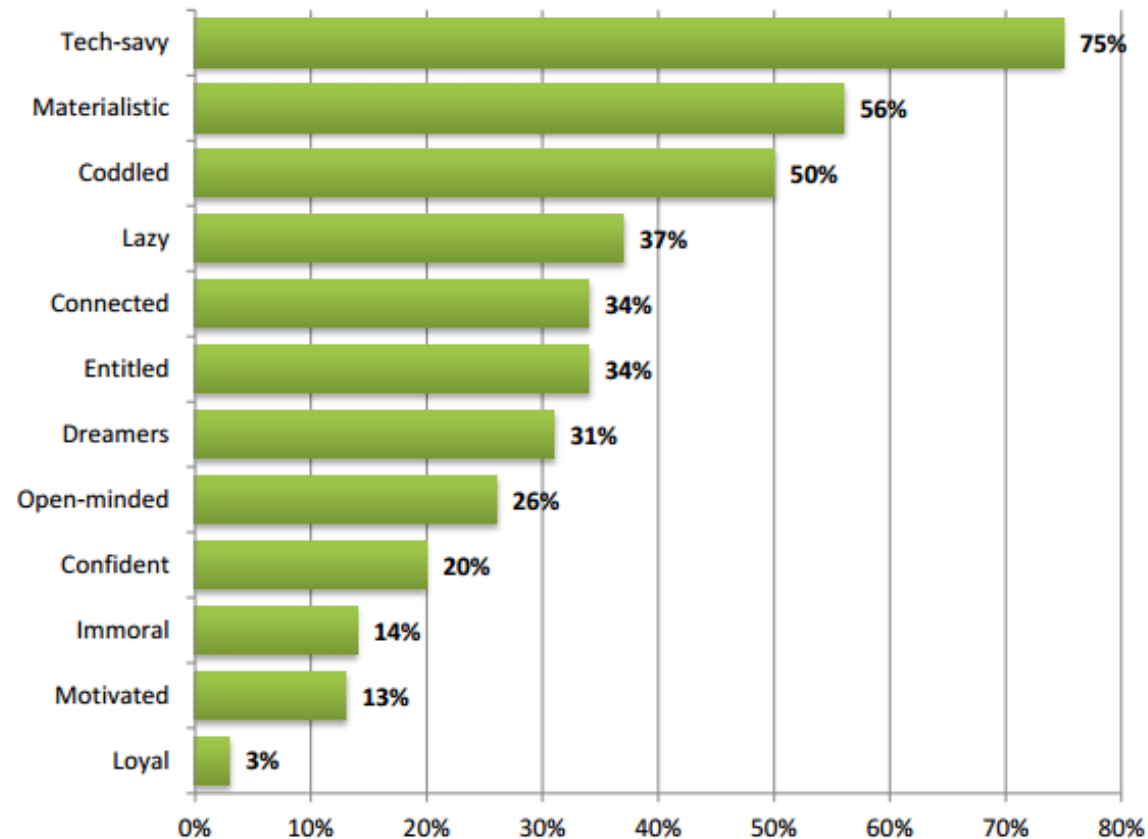


Katherine Watson, Coastline Distance Learning, CA 92708

Compositionism “generationally”: Age gap?

How Non-Millennial Canadians Describe Millennials

(Source: Abacus Data, December 2011)



Compositionism & age: values among Millennials

Reverse mentorship

Culture of open collaboration

Flexibility (no fixed schedule or hours)

Opportunities no matter the age, sex, ethnicity

Communities count (internal & external, real & virtual)

Quality of (the good!) life counts

“Latest greatest technology” leverages innovation

“Because we have always done it that way” doesn’t matter

Who knows what? Values & “frames” for building

Generational Differences Chart

	Traditionalists	Baby Boomers	Generation X	Millennials
Birth Years	1900-1945	1946-1964	1965-1980	(1977-1994) 1981-2000
Current Age	63-86	44-62	28-43	8-27
Famous People	Bob Dole, Elizabeth Taylor	Bill Clinton, Meryl Streep	Barak Obama, Jennifer Lopez	Ashton Kutcher, Serena Williams
#		80 Million	51 Million	75 Million
Other Names	Veterans, Silent, Moral Authority, Radio Babies, The Forgotten Generation	"Me" Generation, Moral Authority	Gen X, Xers, The Doer, Post Boomers, 13 th Generation	Generation Y, Gen Y, Generation Next, Echo Boomers, Chief Friendship Officers. 24/7's
Influencers	<p>WWII, Korean War, Great Depression, New Deal, Rise on Corporations, Space Age,</p> <p>Raised by parents that just survived the Great Depression.</p> <p>Experienced hard times while growing up which were followed by times of prosperity.</p>	<p>Civil Rights, Vietnam War, Sexual Revolution, Cold War/Russia, Space Travel</p> <p>Highest divorce rate and 2nd marriages in history.</p> <p>Post War Babies who grew up to be radicals of the 70's and yuppies of the 80's.</p> <p>"The American Dream" was promised to them as children and they pursue it. As a result they are seen as being greedy, materialistic and ambitious.</p>	<p>Watergate, Energy Crisis, Dual Income families and single parents, First Generation of Latchkey Kids, Y2K, Energy Crisis, Activism, Corp. Downsizing, End of Cold War, Mom's work, Increase divorce rate.</p> <p>Their perceptions are shaped by growing up having to take care of themselves early and watching their politicians lie and their parents get laid off.</p> <p>Came of age when USA was losing its status as the most powerful and prosperous nation in the world.</p> <p>The first generation that will NOT do as well financially as their parents did.</p>	<p>Digital Media, child focused world, school shootings, terrorist attacks, AIDS, 9/11 terrorist attacks.</p> <p>Typically grew up as children of divorce They hope to be the next great generation & to turn around all the "wrong" they see in the world today.</p> <p>They grew up more sheltered than any other generation as parents strived to protect them from the evils of the world.</p> <p>Came of age in a period of economic expansion.</p> <p>Kept busy as kids</p> <p>First generation of children with schedules.</p>

What can be learned together?

What “counts” in/for learning?

Age? Academics? “Life experience”?

Core values? Frames? Making things public? Building?

How should/ought/can *compositionism* occur?

What are the “*takeaways*”?

