



# Hello!

THANK YOU FOR BEING HERE!!!

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@irobarte #claps2018 #dtclaps





# WHY DO "NEW THINGS" OR TRENDS FAIL?



# Design thinking is a process for **creative problem solving**.

-- Coe Leta Stafford, Managing Director IDEO U





#### Design thinking

From Wikipedia, the free encyclopedia



The **neutrality of this article is disputed**. Relevant discussion may be found on the talk page. Please do not remove this message until conditions to do so are met. (October 2018) (Learn how and when to remove this template message)

**Design thinking** refers to the cognitive, strategic and practical processes by which design concepts (proposals for new products, buildings, machines, etc.) are developed by designers and/or design teams.<sup>[1][2]</sup>

Design thinking is also associated with prescriptions for the innovation of products and services within business and social contexts. [3][4] Some of these prescriptions have been criticized for oversimplifying the design process and trivializing the role of technical knowledge and skills. [5][6]







He changed the title for The Chronicle



#### Lee Vinsel Follow

I do technology studies, co-organize @The\_Maintainers, and profess Society at Virginia Tech.

Dec 6, 2017 · 36 min read

## Design Thinking is Kind of Like Syphilis— It's Contagious and Rots Your Brains



The greatest and **most savage critic** of Design Thinking has emerged from the heart of the Design Thinking world itself. His name is **Bill Burnett**, and he is a **comedic genius**.

--Vinsel, 2017







#### Example: What is $\frac{d}{dx}x^3$ ?

We know  $f(x) = x^3$ , and can calculate  $f(x+\Delta x)$ :

Start with: 
$$f(x+\Delta x) = (x+\Delta x)^3$$

Expand 
$$(x + \Delta x)^3$$
:  $f(x+\Delta x) = x^3 + 3x^2 \Delta x + 3x (\Delta x)^2 + (\Delta x)^3$ 

The slope formula: 
$$\frac{f(x+\Delta x) - f(x)}{\Delta x}$$

Put in 
$$f(x+\Delta x)$$
 and  $f(x)$ : 
$$\frac{x^3 + 3x^2 \Delta x + 3x (\Delta x)^2 + (\Delta x)^3 - x^3}{\Delta x}$$

Simplify (x<sup>3</sup> and -x<sup>3</sup> cancel): 
$$\frac{3x^2 \Delta x + 3x (\Delta x)^2 + (\Delta x)^3}{\Delta x}$$

Simplify more (divide through by 
$$\Delta x$$
): =  $3x^2 + 3x \Delta x + (\Delta x)^2$ 

Then as  $\Delta x$  heads towards 0 we get: =  $3x^2$ 

Image from Math Is Fun



#### Power Rule

Example: What is  $\frac{d}{dx}x^3$ ?

The question is asking "what is the derivative of  $x^3$ ?"

We can use the <u>Power Rule</u>, where n=3:

$$\frac{d}{dx}x^{n} = nx^{n-1}$$

$$\frac{d}{dx}x^3 = 3x^{3-1} = 3x^2$$

(In other words the derivative of  $x^3$  is  $3x^2$ )

So it is simply this:



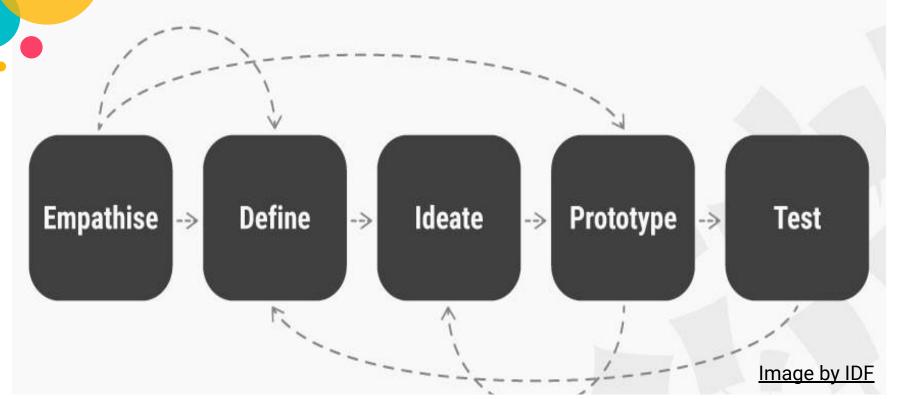
"multiply by power then reduce power by 1"

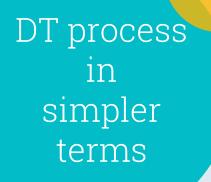
Image from Math is Fun

#SCORPIOSEASON



## **Design Thinking: A 5 Stage Process**





Understand audience

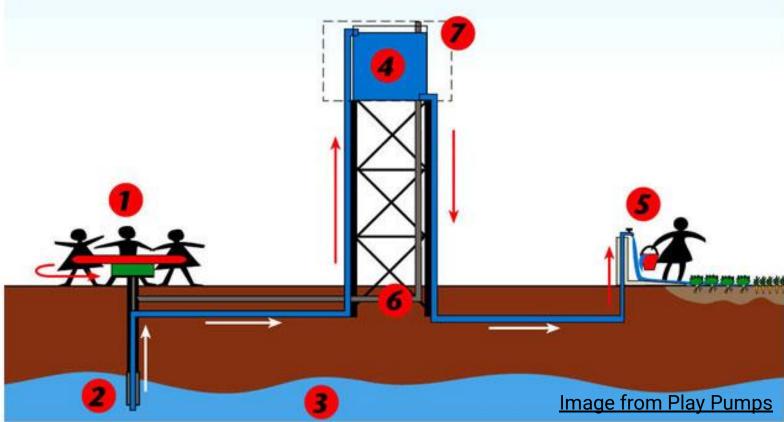
Come up with a plan

Implement the plan

Evaluate the plan

Adapted from Vinsel (2017)











Analysis

ADDIE MODEL

**Evaluation** 

Design

Implementation

Development

Image from Wikimedia Commons



#### Design thinking is the opposite of inclusive design

Fast Company - Sep 26, 2018

In other words, **design thinking**, by giving the **designer** total authority, squashes more inclusive design practices. Even in the **design thinking** ...

#### "Why are designers whining about design thinking?"

Dezeen - May 24, 2016

Opinion: **Design thinking** is the management phrase that makes real **designation** 

shudder. Can designers let go and accept it as a form of flattery, ...

#### How **Design Thinking** Became a Buzzword at School

The Atlantic - Jan 4, 2017

Confusion around the precise definition of **design thinking** is ... Final **thinking** requires **designers** to generate ideas—lots of ...

#### It's Time To Bring Design Thinking Down From On High

Forbes - Aug 15, 2013

In a now-classic TED Talk on **design thinking**, Tim Brown, president and CEO . Why 'Design Thinking' is becoming a game changer for many ... a construct of a professional "priesthood," a society of **designers** who, ... Too **b**\$\(\epsilon\) CIO - Apr 12. 2016

healthcare leaders had to be in crisis before they put people ...

#### 10 **design thinking** myths debunked

The Enterprisers Project - Nov 5, 2018

**Design thinking** continues to gain popularity with IT leaders seeking to ... make it sy for non-**designers** to use **design thinking**, says Joshi.

#### Buzzwords, big talk, and breakthroughs: Real talk about **design thinking** Rapid Growth - Mar 14, 2018

... Adam Weiler, who explores why **design thinking** isn't just for **designers** after all.

nderstand design thinking (and the stuff that's become ...

Why the hot concept of design thinking isn't really about the thinking at ...

Financial Post - Jun 29, 2017

**Design thinking** is a misnomer, albeit a popular one, because there's nothing about **design thinking** that **designers** hold particular ownership ...

John Spencer: "There's no bullshit like design bullshit"

Design Week - Sep 14, 2018

When did **designers** first come up with the idea that bullshit is good? Why do we think it makes us sound grown-up and clever and important?

Even though, the term 'Design Thinking' has been coined back in the 90s, ... Instead of taking business requirements as marching orders, designers were ... what they want may lead a project going in a wrong direction... facts ...



"The solution to connecting design thinking principles to practical outcomes is astonishingly simple. Unfortunately, it involves talking to people and most product people find that hard." -- Banfield, 2017

"Disagreements, lengthy disputes, and difficult compromises are not an option in design thinking, as acknowledging their existence would necessitate addressing their underlying structures." -- Seitz, 2018

"Miller calls the Empathize Mode "ethnography," which is uncharitable to cultural anthropologists who spend their entire lives learning how to observe other people." -- Vinsel, 2018

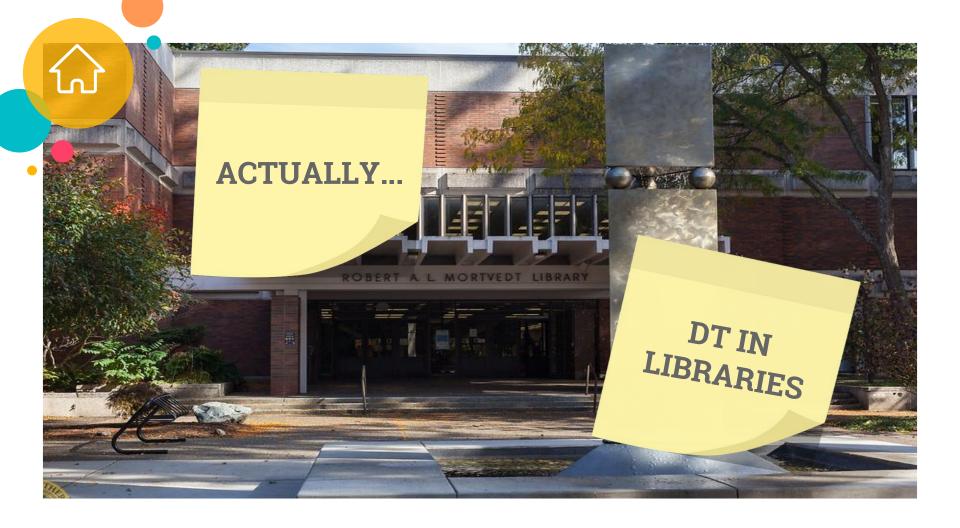
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"Design thinking teaches corporate workers to tell stories about the lives of potential customers and imagine different futures for them." -- Irani, 2018

"Business bullshit can and should be challenged. This is a task each of us can take up by refusing to use empty management-speak. We can stop ourselves from being one more conduit in its circulation. Instead of just rolling our eyes and checking our emails, we should demand something more meaningful." -- Spicer, 2017

"As real designers, we really don't use these terms to define our work. We use really, really hard and you know tangible words to describe and to critique our work. None of these words are real criticism of anything. They are buzzwords to sound like corporate jargon" -- Jen, 2017





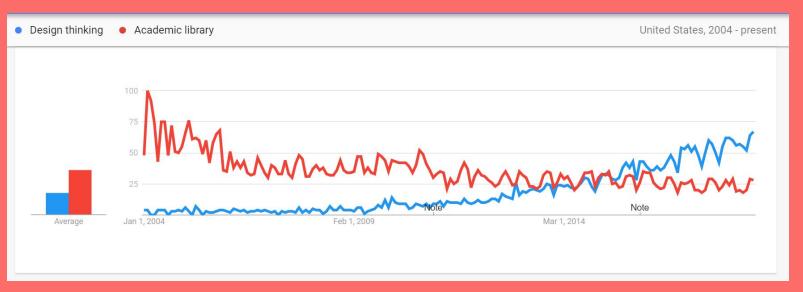


# Where have you seen DT show up in libraries?

What were the issues trying to be solved?

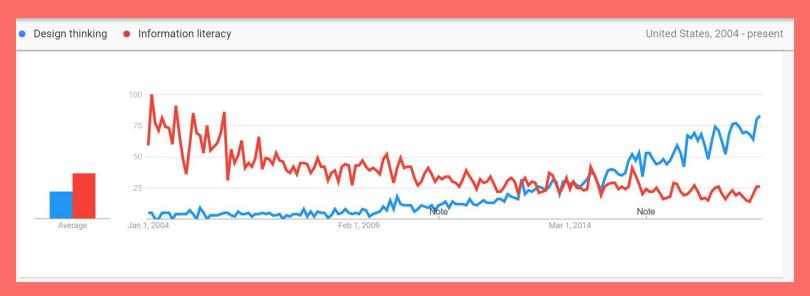


#### Google searches for "design thinking" and "academic library"



**Image from Google Trends** 

#### Google searches for "design thinking" and "information literacy"



**Image from Google Trends** 

#### 2018 Conference Program

Library Instruction by Design: Using Design Thinking to Meet Evolving Needs | June 1, 2018



Keeping up with...

DESIGN THINKING

OBSERVE

A design approach to the

PERCEPTIONS SCHOOL LIBRARIES

#### Bringing Design Thinking to the School Library

A design approach to the Want to revamp your library? Design thinking may be just the services can help library p planning tool you need.

INFO 287-11

SEMINAR IN INFORMATION SCIENCE

TOPIC: DESIGN THINKING [2 UNITS]

FALL 2017 SYLLABUS

What MAKES A Library?, Issue No. 1 – Design Thinking Signage by Design: A Design-Thinking Approach to Library User Experience

Home > Vol 77, No 6 (2016) > Meier

Turning the revolution into an evolution: The case for design thinking and rapid prototyping in libraries

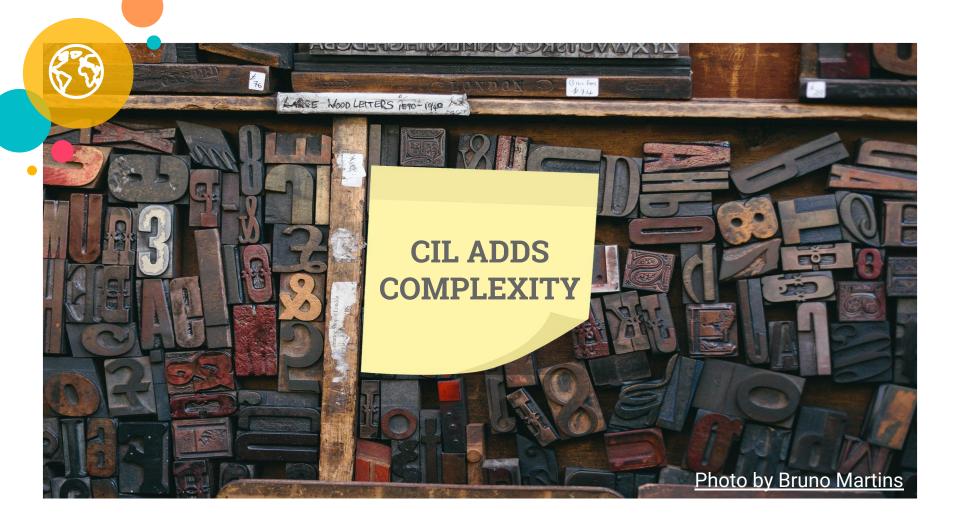






Critical Information Literacy is in a sense an expanded version of IL that places the learner at the center in a more empowered role and focuses on the sociopolitical, economic, and cultural aspects of all types and stages of information and the research process. It is very concerned with the power relationships that impact information production and dissemination and tries to move IL beyond the purely mechanical and technical. It pulls from critical theories, including critical pedagogy, critical literacy, and others.

-- Downey, 173, 2016









Teaching and learning have always been (and will always be) **deeply** subjective.

WE MUST
BRING OUR
WHOLE SELVES

-- Morris & Stommel, 33, 2018





... IN CASE YOU DIDN'T FINISH READING



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-- Downey, 173, 2016













#### Harvard Business Review

**ENTREPRENEURSHIP** 

### Design Thinking Is Fundamentally Conservative and Preserves the **Status Quo**

by Natasha Iskander

**SEPTEMBER 05, 2018** 







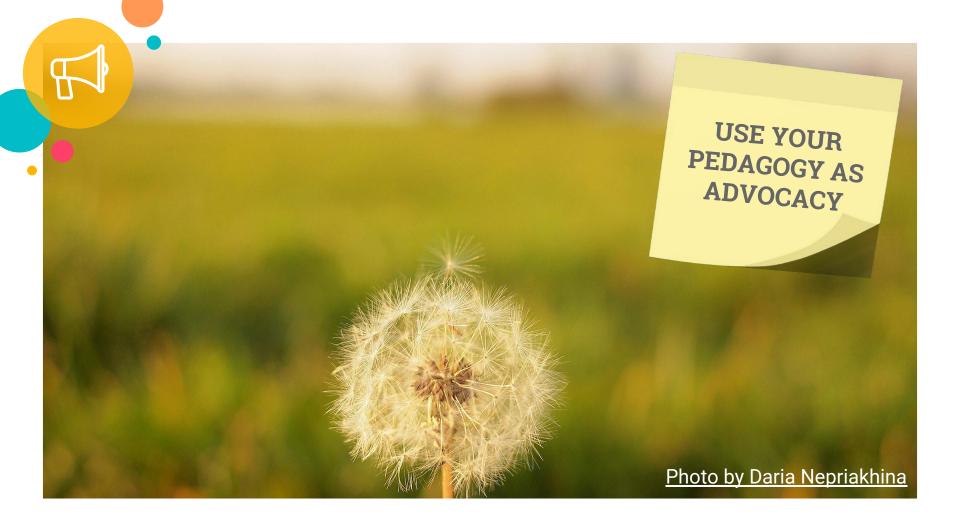


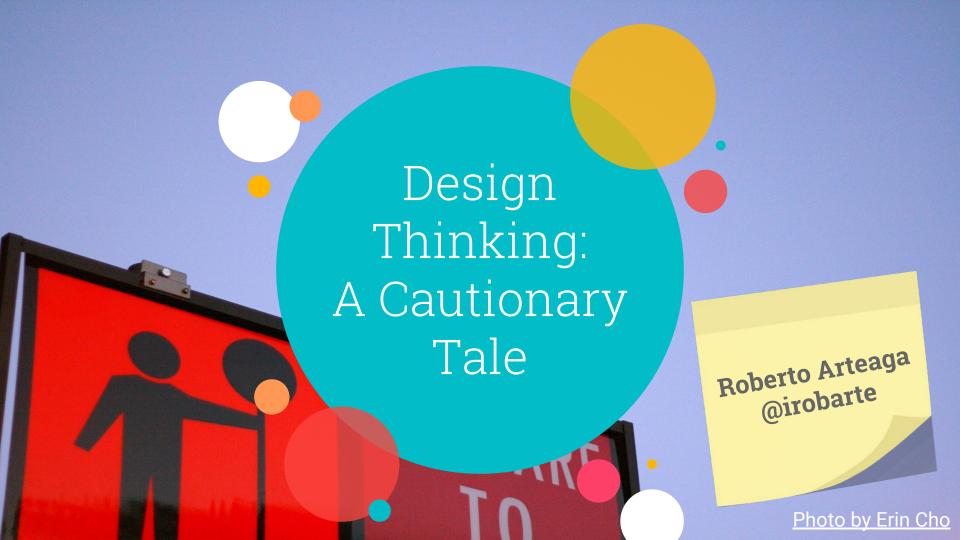


Non-inquiry **blinds** us to the environment in which we are actually teaching.

-- Morris & Stommel, 133, 2018











#### **CRITICAL PERSPECTIVES**

"Design Thinking": Defending Silicon Valley at the Apex of Global Labor Hierarchies

Lilly Irani UC San Diego

# "

Economic nationalism depends on hierarchies of race and economic practice to mobilize people in the name of whiteness and economy.







**2042** is the year all goes to hell.

-- Jeff Chang @ #RPNC2018



### Minorities in U.S. set to become majority by 2042

By SAM ROBERTS AUG. 14, 2008

Ethnic and racial minorities will comprise a majority of the population of the United States in a little more than a generation, according to new Census Bureau projections, a transformation that is occurring faster than anticipated just a few years ago.

The census calculates that by 2042, Americans who identify themselves as Hispanic, black, Asian, American Indian, Native Hawaiian and Pacific Islander will together outnumber non-Hispanic whites. Four years ago, officials had projected the shift would come in 2050.

Source: New York Times









## Thanks!

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Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by <u>SlidesCarnival</u>
- Photographs from <u>Unsplash</u>

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## REJECTED SLIDES





