Designing Excellent 3MT Slides

Kelsey Sheaffer Director, Adobe Digital Studio / Creative Technologies Librarian ksheaff@clemson.edu



- a single static PowerPoint slide is permitted;
- no slide transitions, animations or 'movement' of any description are permitted;
- your slide is to be presented from the beginning of your oration; and
- no additional electronic media (e.g. sound and video files) are permitted.



SLIDE PLANNING

1. Purpose

2. Layout

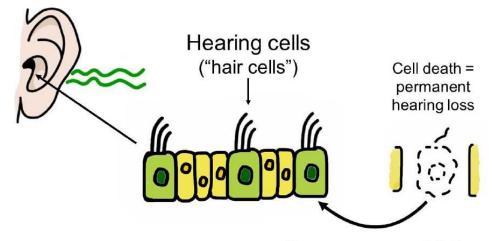
3. Charm

SLIDE PLANNING

Purpose

- Communicating research in a visual way
- Memorable
- Can assist in explanation

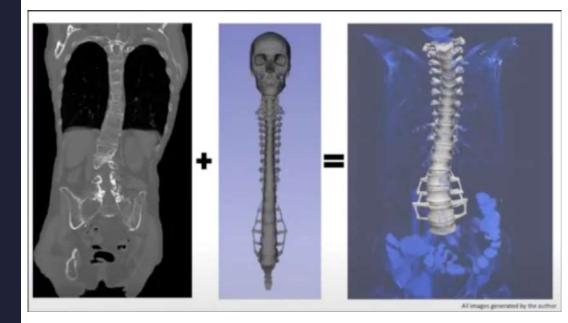
Can you hear me now?: Development and regrowth of cells for hearing



Can we reverse this?

SLIDE PLANNING Layout

- Not a research poster!
- Don't use too much text
- What charts and graphs do you NEED to explain?
- Design principles



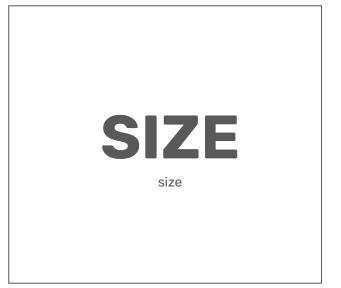
DESIGN 101

COLOR	FONTS
SPACE	GRAPHICS



Accessibility

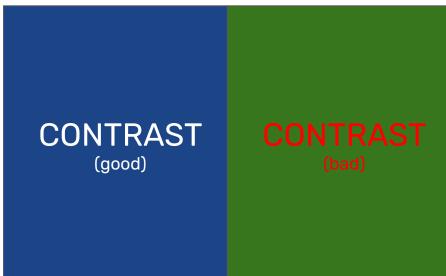
Consider:



Contrast checkers:

 \rightarrow <u>WebAIM</u>

Consider:



Accessible color scheme tools:

 $\rightarrow \underline{ColorBrewer}$

 $\rightarrow \underline{\text{Color Safe}}$

COLOR

~60%

~30%

~10%

COLOR

DESIGN 101

COLOR	FONTS
SPACE	GRAPHICS



White (negative) space

Gmail Images

Sign in



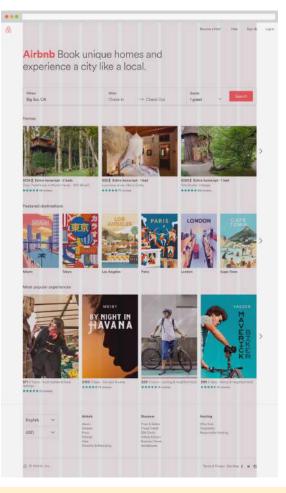


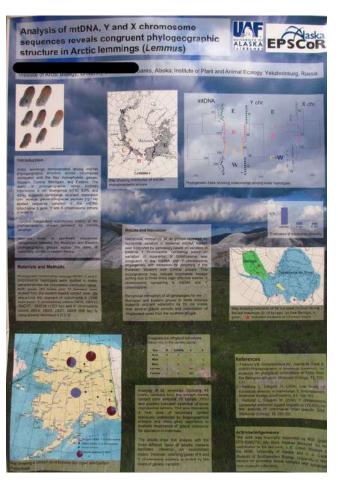
Focal point

.................. -----









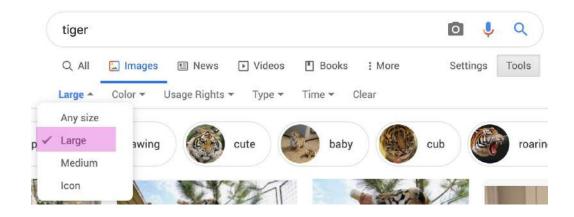
S P A C E

DESIGN 101

COLOR	FONTS
SPACE	GRAPHICS



Photographs





$\text{Resolution!} \rightarrow$



Small image file from Google -->

Becomes pixelated when enlarged

Cleaning up photographs

→ <u>Adobe Express</u>





Icons

- → The Noun Project
- \rightarrow Font Awesome
- + Powerpoint

Causes of Excessive Sweating

Emotional Factors

Underlying Medical Conditions

Hereditary Predisposition

Anxiety, stress, embarrassment, etc. have a monumental impact an perspiration levels.

A large number of medical conditions and prescription drugs can cause excessive sweating. It's very common for excessive sweating to run in the family.



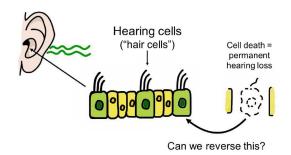
Build your own?

- 1. Draw on paper with pencil
- 2. Trace with pen, erase pencil marks
- 3. Scan using Adobe Scan
- 4. On computer, find scan at documentcloud.adobe.com
 - Alt: clean up image in Photoshop
- 5. In Adobe Illustrator: Use Image Trace of scan to get vector
- 6. Adjust vector, add text
- 7. Bring image into Powerpoint or Slides





Can you hear me now?: Development and regrowth of cells for hearing



Tables and graphs

Table 2. Blood glucose levels [Carlson, 1982]. Time Normal Diabetic (hour) (mg/dl*) (mg/dl) midnight 2:00 100.3 93.6 175.8 165.7 159.4 72.1 4:00 88.2 6:00 100.5 271.0 8:00 138.6 10:00 102.4 224.6

93.8

132.3

103.8

93.6

127.8

109.2

noon

2:00

4:00

6:00

8:00

* decaliters/milligram

10:00

161.8

242.7

219.4

152.6

227.1

221.3

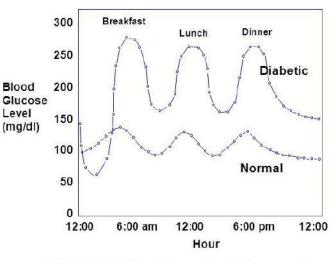


Figure 11. Blood glucose levels for normal individual and diabetic [Carlson, 1982].

4]

TIPS

- Less is more
- You do not have to use any text
- People respond well to visual cues is there an image that could help you in explaining your research?
- Personal touches
- Think about how your slide can assist with the format and delivery of your session



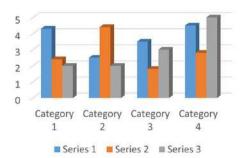
Fakey McFakeson School of Awesome Madeup University





"Why Having a Really Long and /or Complex 3MT Title is Not a Good Idea and the Reasons Why You Should Stick With Something Short, Sharp, Punny and Memorable."

This Is A Chart



Here's a lot of text with a lot of numbers like 15,698 4 103,774. Who likes percentages? I do! 24% of 33 years olds reading this agree that 118% of this part of the slide should go.

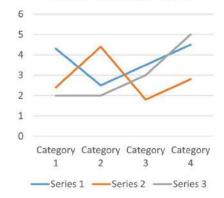
New seatbelt design: 45% less car accidents!!



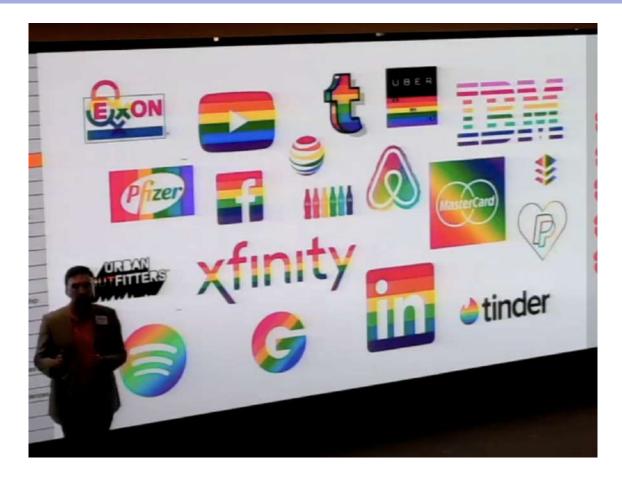


MORE WORDS. SO MANY WORDS. DID YOU KNOW A TYPICAL THESIS IS AROUND 80,000 WORDS? WOW. THAT'S A LOT OF WORDS.

This Is Another Chart



Example: Fullscreen



Example: Fullscreen

California: Beware the Green Goblin—aka Harmful Algal Blooms

Instant of 2000 Name Process

Lake Erie's Toxic Green Slime is Getting Worse With Climate Change

"Don't Touch The Water": toxic algae bloom covers Maumee River

Example: Fullscreen



Example: x+y=z





Example: x+y=z



Example: $\mathbf{x} \rightarrow \mathbf{y}$



FOG deposits inside of sewer lines



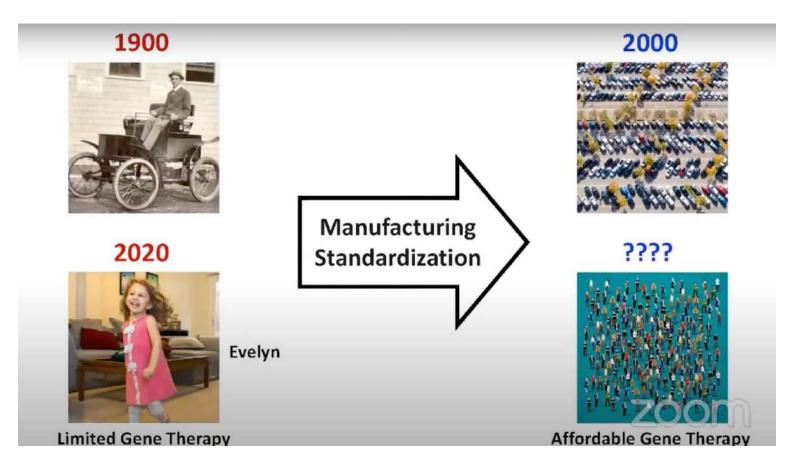
Sewer backups

Image courtesy: King county, WA and Perma Liner Industries

Example: $\mathbf{x} \rightarrow \mathbf{y}$

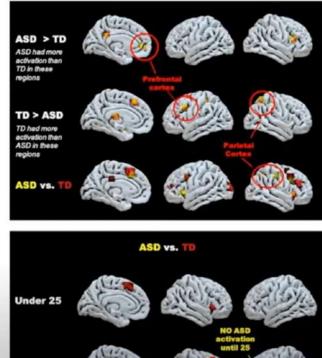


Example: $x \rightarrow y$



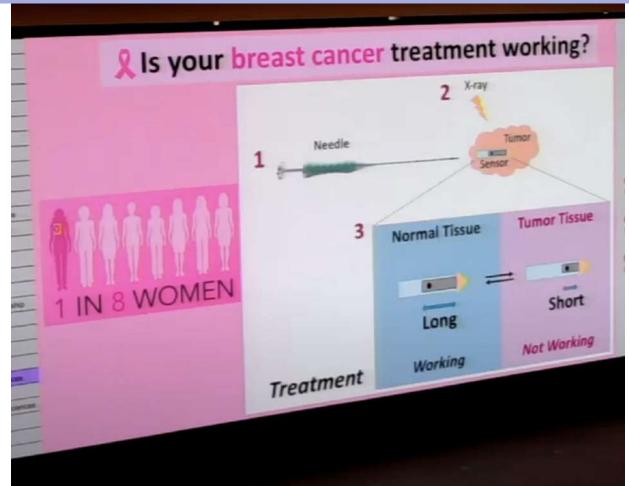
Example: Problem / x+y=z





Over 25

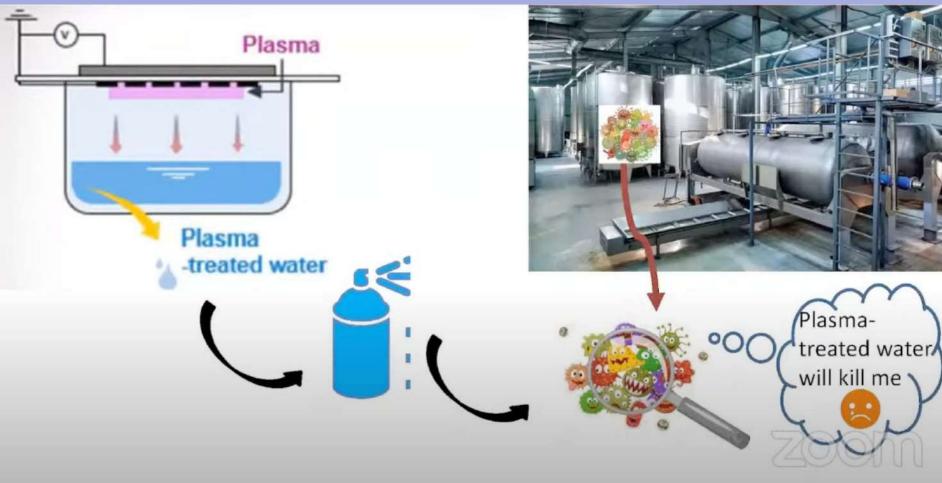
Example: Problem / x+y=z



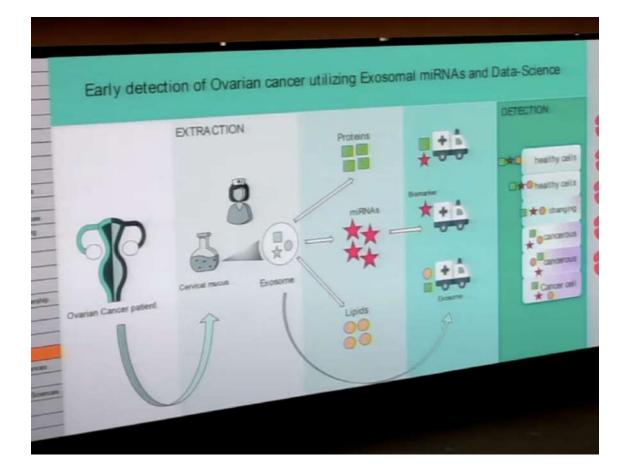
Example: complicated procedure



Example: complicated procedure



Example: complicated procedure

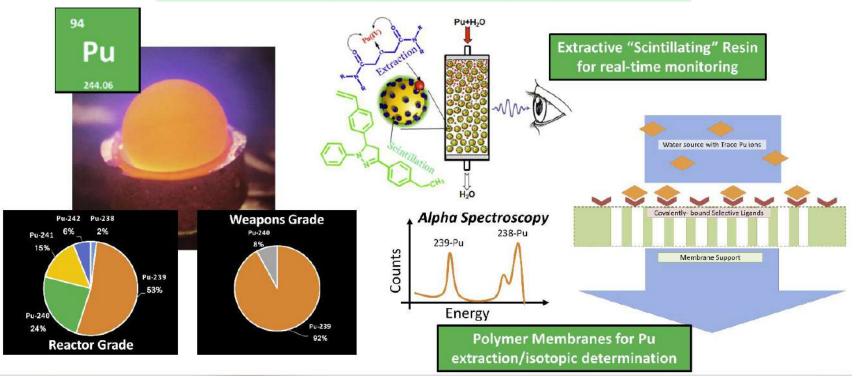


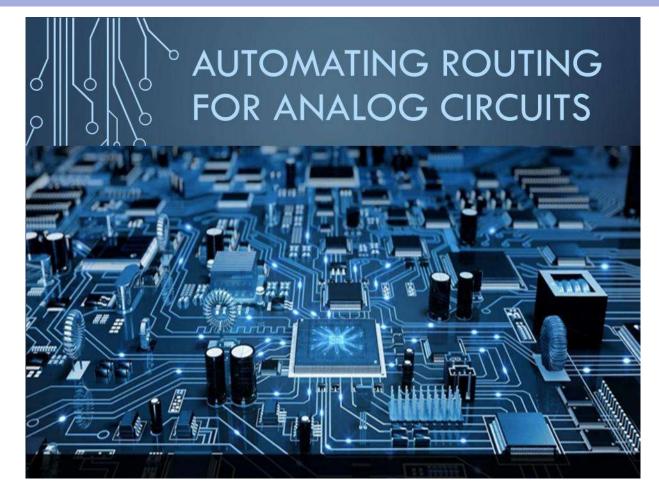


CHEMICAL AND BIOMOLECULAR ENGINEERING

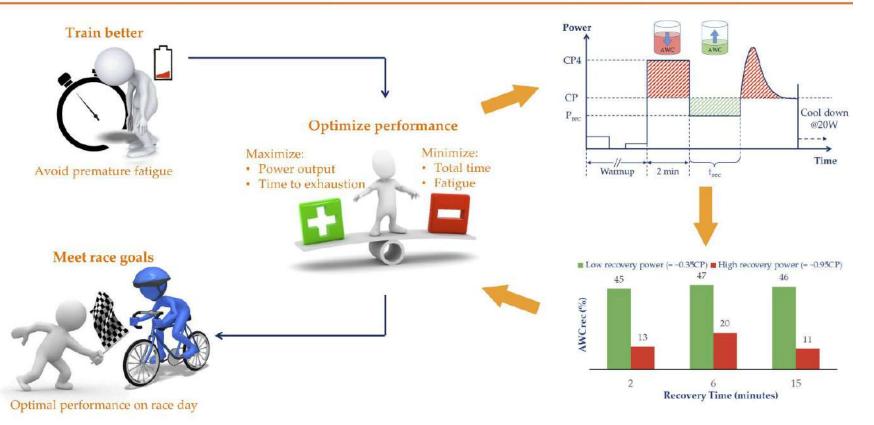
Innovative Materials for the Screening of Plutonium in Water Sources

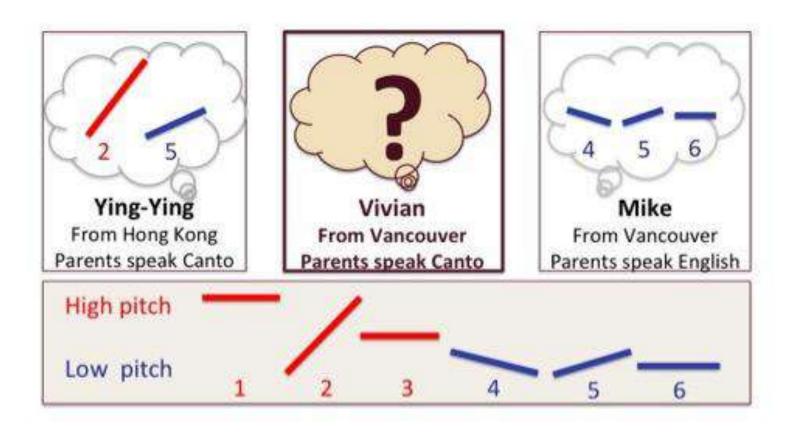






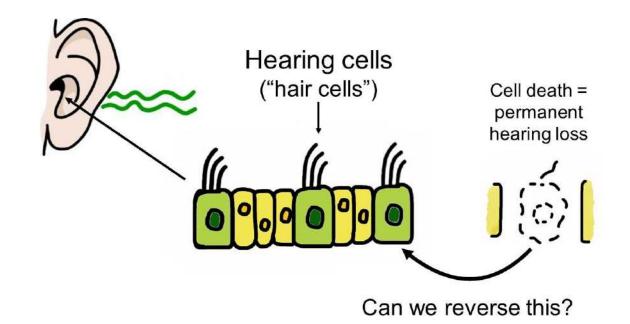
Modeling the recovery of Anaerobic Work Capacity in Cycling

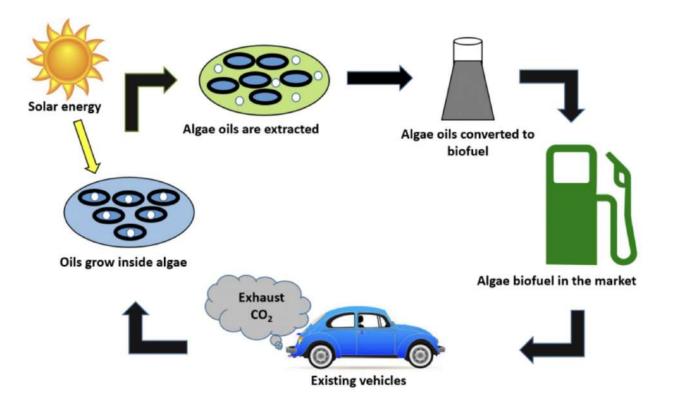






Can you hear me now?: Development and regrowth of cells for hearing





Kelsey Sheaffer Director, Adobe Digital Studio / Creative Technologies Librarian ksheaff@clemson.edu

