Expand Your Presentation Horizons

- Teaching
- Research Discussions
- Collaborate in the Cloud
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Jay Morris, PhD
Michael Hance, PhD
Krystal Nolan, PhD Candidate
- Teaching
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Access your talk
edit
present
share
collaborate
Interact with your audience

Favorite cities to travel to:
1. Paris
2. Missoula
3. Savannah
4. Chicago
5.
6.
7.
Favorite cities to travel to:
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1. Paris
2. Missoula
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5.
6.
7.
So what do these fruits look like:

- Kumquat
- Quince
- Dragon Fruit
Label this pathway

Caffeine
Caffeine
Beneficial Features

- Portable & highly amendable
- Interactive
- Easy to use and design
- Numerous templates to help you captivate your audience
Using Prezi for Scientific talks and designing a poster

Michael W. Hance, Ph.D.
2013 National Postdoctoral Association meeting
Lecturing vs Presenting

Detailed information = tested to assess retention
Presentation of Scientific Results

Marek Seliger
Lecture and seminar

3rd lecture: Talk
"how to prepare a scientific talk"

yet another try to squeeze something really complex into a cooking recipe.

(based on slides by Jaroslav Fabian and Bonnie Dorr)
physik.kf.uni-graz.ac.at/~sel/teaching

The idea is to walk your audience through your data like a story
Dynamic Customization
2D
No structural architecture
⇒ Alter cell metabolism and reduce functionality
⇒ Artificial cell properties

Conventional 2D monolayer on tissue culture plastic

3D embedded culture using hydrogels

3D
Reproduce the complex and dynamic environments of in vivo
My PowerPoint video won't play...#$%#
Prezi works for posters too
Systemic Treatment of Borderline Personality Disorder
Dustin Tibbitts, LMFT  Executive Director, New Haven
www.NewHavenRTC.com

A Systemic View
Interpersonal Criteria for BPD:
• efforts to avoid abandonment
• unstable & intense relationships
• inappropriate intense anger
4 groups of BPD adolescents based on systemic behavioral manifestations
Teach Relationship skills and help form Identity

Outcomes 2008 – 2009

FICS
(N = 154 parents; 168 students)
• After completing treatment, 92% of students scored their families in the healthy range overall
• Within six months of follow-up, 71% of students still scored their families in the healthy range overall

YOQ and YOQ-SR
(N = 146 parents; 123 students)
• After completing treatment, 87% of students scored their daughters in the healthy range
• 73% of students scored themselves in the healthy range
• After completing treatment, students reported the following:
  • 78% reduction in social problems
  • 90% reduction in relationship problems

Residential

Relationship Work
Countertransference
• Training (button-pushing worksheet, personal scrutiny worksheet)

Attachment
• Assign one staff per shift to be primary contact
• Clarification skills

Object Permanence
• Routine shifts of groups of staff
• Clarification skills
  a. Validate emotion yet hold boundaries
  b. Remain in here-and-now
  c. Avoid misappropriating responsibility

Identity Work
• Word choice and metaphor
• Email Rules
• Treatment Team attendance
• Challenge inconsistencies across contexts
• Affect identification/mgmt
• Parallel journaling
• Share case notes

Research and References
Engaging All Learners

RED DEER PUBLIC SCHOOLS
DISTRICT EDUCATION PLAN PRIORITIES

LITERACY
- Summarizing & Note Taking
  - Cornell Note-Taking System
  - K.I.M. (Key Idea - Information - Memory Clue)

IDENTIFYING SIMILARITIES & DIFFERENCES
- Frayer Model
- T-Charts
- Venn Diagrams

QUESTIONS, CUES & ADVANCED ORGANIZERS
- Frontloading
- R.A.N. (Reading and Analyzing Non-Fiction)
- Word Walls
- Graphic Organizers

THE RESIDENCY MODEL:
Residencies involve District Curriculum Leaders working with teachers, in classrooms, at the point of instruction.

Prior to the school residency, the school principal solicits applications from teachers in order to select up to four “lead” teachers (one in Language Arts, Mathematics, Science, and Social Studies).

Approximately one week before the school residency the lead teachers meet with District Curriculum Leaders to determine the outcomes from the Program of Study that will be the focus of the teaching in the coming week. Planning takes place as to the infusion of the literacy strategy or strategies into the lessons.

The residency will typically involve four consecutive days during which District Curriculum Leaders work with the lead teachers, in the classroom, to implement the literacy strategies.

At the conclusion of the residency District Curriculum Leaders will debrief with lead teachers to collaboratively reflect on the process and plan for school capacity building.

Two to three follow-up sessions throughout the remainder of the year will be scheduled with each school.
ATTRIBUTES OF A SOCIA LLY OPTIMIZED BUSINESS

What’s different? Who benefits?
The social business is alive with energy and big ideas — you might call it a Renaissance for the information age. After decades of mechanistic, dehumanizing, process-oriented management dogma, progressive organizations are waking up to the disturbing truth that they’ve squeezed all the creativity out of their business. When companies embrace organic, passionate, socially-savvy initiatives, they blossom. Who benefits? Everyone.

**INTELLIGENCE & INSIGHTS VIA DASHBOARDS:**

**EASILY ACCESSIBLE TECHNOLOGIES:**

**NEW ROLES:**

**HELLO MY ROLE IS "EMERGENEER"**

**SOCIAL**

**BUSINESS BENEFITS FOR:**

**MASSIVE SHIFT FROM "ME" TO "WE":**

- Things get done because people want to work together.
- Enables all to ask questions and get answers.
- Mind change is essential. Creativity = impact on culture.
- Openness is rewarded.

**WE**
The map of modern science was created to celebrate the achievements of the scientific method through the lens of science, the enlightenment and modernity.

Despite many of the scientific disciplines having their ancient origins, I have included the map to modern science starting from the 15th century scientific revolution. The map primarily includes modern scientists who have made significant advances to our understanding of the world. However, I have also included many earlier contributions who have a connection to modern science through communication and science popularization.

Key to lines

Natural Sciences

Physics & Astronomy

Engineering & Energy

Mathematics & Biology

Medicine & Psychology

Key to Colors

Natural Sciences

Physics & Astronomy

Engineering & Energy

Mathematics & Biology

Medicine & Psychology

Crispian Jago 2010

Based on Henry W. and original work. London underground design also developed and included.

This is an evolving graphic. Please show me if you like to add any corrections to my comments or consider the latest version.

http://www.crispian-jago.blogspot.com
In Summary

• Prezi offers a viable alternative to MS PowerPoint

• Offers a dynamic range of features to individualize talks and posters

• Creates a more interactive talk that helps to engage audience
Thank you for your attention

“My presentation lacks power and it has no point. I assumed the software would take care of that!”
Collaboration

Easy as 1-2-3
Input 1

Collaborator 1: Set up experimental design protocol.

Collaborator 2: Identify key components that are critical to the experimental design.
Cycle 1 yields 2 molecules

1. Denaturation:
   Heat briefly to separate DNA strands

2. Annealing:
   Cool to allow primers to form hydrogen bond with ends of target sequence

3. Extension:
   DNA polymerase adds nucleotides to the 3' end of each primer

Cycle 2 yields 4 molecules

Cycle 3 yields 8 molecules; 2 molecules (in white boxes) match target sequence
Input 1

Collaborator 1: Set up experimental design protocol.

Collaborator 2: Identify key components that are critical to the experimental design.
Protocols: Make sure you're not getting screwed over by putting expectations in writing
PI 1: My postdoc will do XYZ, blah, blah, blah....

PI 2: My postdoc and grad student will do ABC, blah, blah, blah...

PI 1: My expected cost analysis will be $........

PI 2: My expected cost contribution will be $........

Reagents Required:
Blah blah blah
Protocols: Make sure you're not getting screwed over by putting expectations in writing
Input 3

Add any last minute changes or even adjustments to protocols
By doing a time sequence thing you can make sure everyone is on the same page
Input 1
Collaborator 1: Set up experimental design protocol.
Collaborator 2: Identify key components that are critical to the experimental design.

Input 2
Protocols: Make sure you're not getting screwed over by putting expectations in writing.

Input 3
Add any last minute changes or even adjustments to protocols.
By doing a time sequence thing you can make sure everyone is on the same page.
Process

-Experimental data can be inputted in this section
-Notes, changes to the design, failures, etc.
Notes for X Experiment:

Complete failure!!!

Need to find coffee and start over....Crying on the inside....Scratch that, full out bawling....
EPIC FAILURE
When everyday, run-of-the-mill failure just isn’t good enough
EUREKA!

COME ON IN!
I HAVE FOUND CHEESES
- As publishable data increases, they can be copied, transferred, or just added here so that they are easily identified and found.
- If the collaboration is part of a larger project, the people involved can copy the data as needed when required, or even start a new presentation to devote to that particular paper.
- This is also a good way to evaluate and make sure that what was agreed upon in the experimental design actually is completed in a timely manner.
more data...need more data for grants

Figure 1. My awesome research over one year

I expect more from a senior graduate student!!!!
Collaboration

Easy as 1-2-3
Conclusions

Prezi.com - free for all users
.edu emails - expanded features

Import from powerpoint

Save slides (Path Points) as a pdf