

Faculty of Graduate Studies



Our services



Graduate Scholarship Office

Have a question about an award or scholarship?

Contact the Graduate Scholarship Office



Graduate Program Officers

Have questions about your fees or registration?

Contact your program officer



Graduate Academic Advisors

Have you run into a challenge that is affecting your academic life? The Faculty of Graduate Studies' specialists provide confidential support and advice.

Learn more





My GradSkills



Recruitment and Orientation

Academic Success

Work-Integrated Learning

Experiential Learning

Research Communications





Workshop Outline

- Brain Chemistry
- Social Connectivity

Why Storytelling What is a research story

- Format
- Formula

• Examples

Story Types and Structures

Pulling it all together

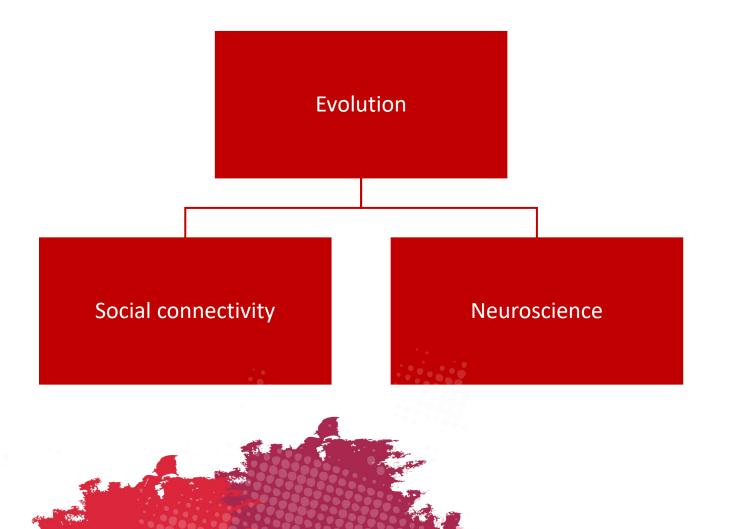
- Visuals
- Your purpose





Why does storytelling work so well?





"Storytelling is our default way of learning and making sense of the world"

- Holly Walter Kerby (Storyform Science)





Humans are:

- inherently responsive to storytelling
- wired for emotional decision making
- Have pattern-seeking brains

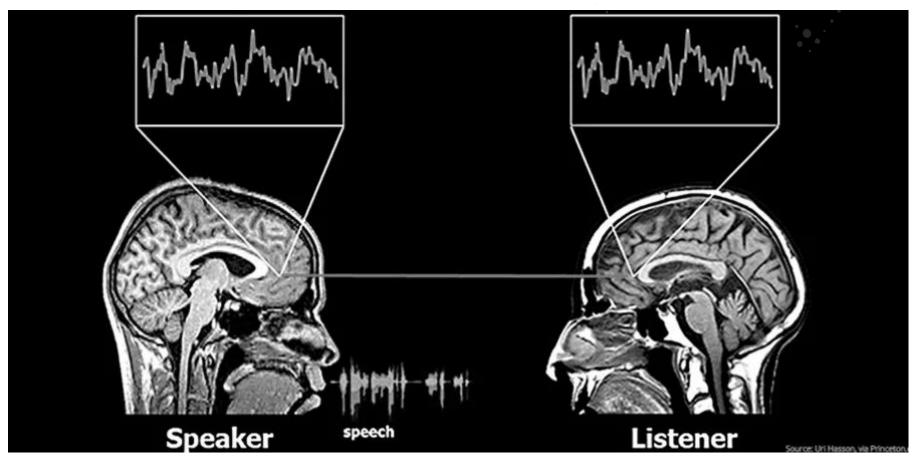














Brain Chemistry

Certain parts of stories induce neurotransmitters and peptide hormones

Activated by intrigue
Plays a major role in memory and motivation

Oxytocin

- Plays a role in social bonding
- Released when hearing personal stories
- Related to empathy and trust







Cognitive Bias and Storytelling

We have cognitive bias towards stories:

Identifiable Victim Effect

- "The everyday hero"
- People are compelled by real and personal stories

Self-Relevance Effect

We remember information that relates to us

Confirmation Bias

 We direct our attention to information that confirms our preexisting knowledge or ideas

The Decline Bias

- We are fascinated by stories of the past
- We seek out nostalgia

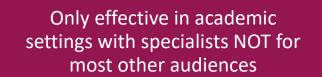




You don't always need to present like an academic!



- Introduction
- Methods and results
- Conclusion
- Text heavy slides
- Jargon and technical language
- Data
- Reading off the slides
- Questions





What is a story?

Aristotle's Poetics (1961)

Conflict: the issue your research is addressing

CLIMAX

Introduction of elements, people, ideas

BEGINNING

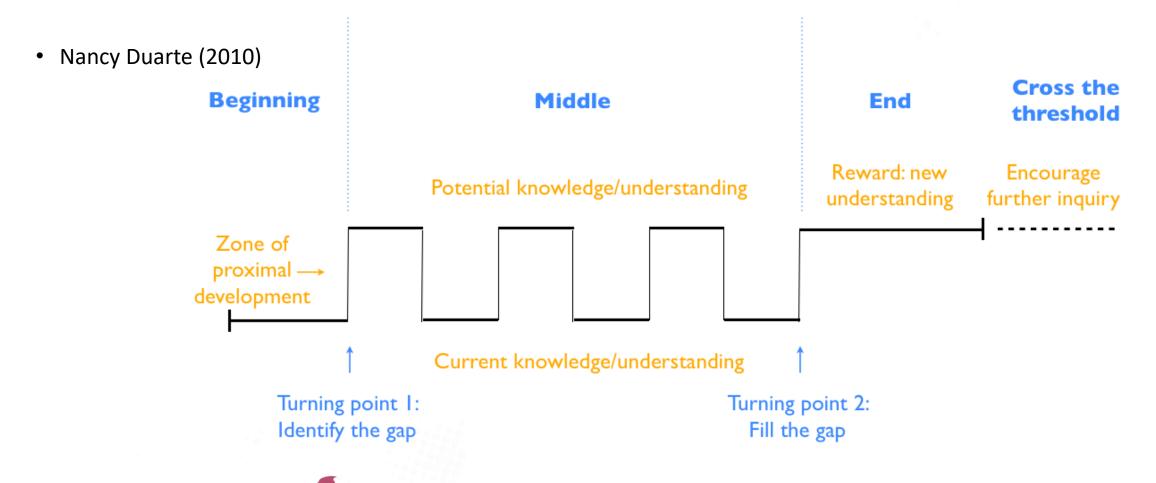
"A character-based narration of a struggle to overcome obstacles and reach an important goal" - Garr Reynolds Demonstrate a clear change from the beginning

RESOLUTION





What is persuasive storytelling?





The process to storytelling for research communications









Your Audience



Your target audience

Comes 1st - without an audience your information goes nowhere!

Potential target audiences:

☐ Researchers

☐ Policy-makers

☐ Business leaders

☐ Community groups

Educators

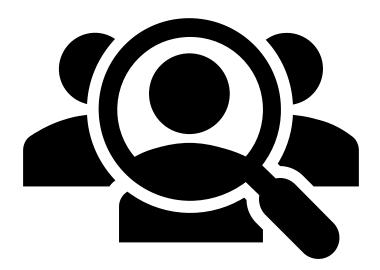
☐ International Audiences

☐ Practitioners

☐ Decision-makers

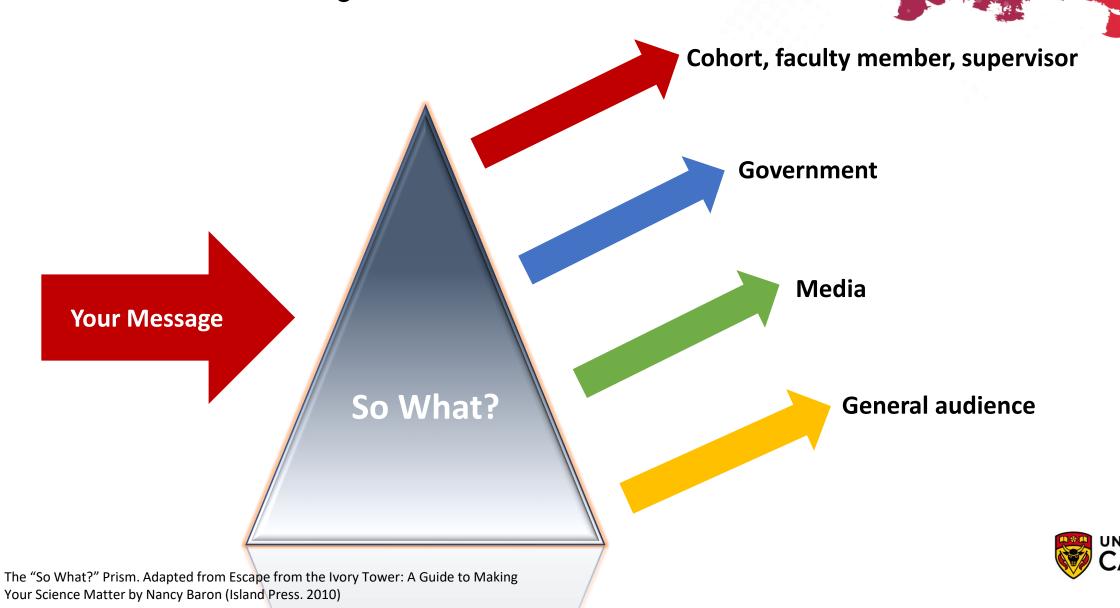
☐ General public

■ Media

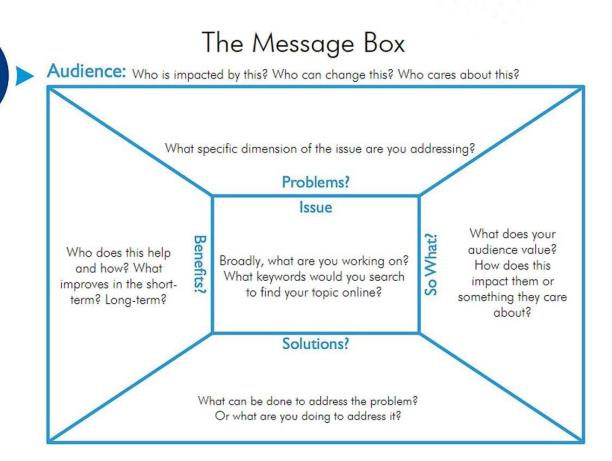




What do they need to know?



Identify your elements



CÔMPASS



What does your audience need?

Move away from the deficit model

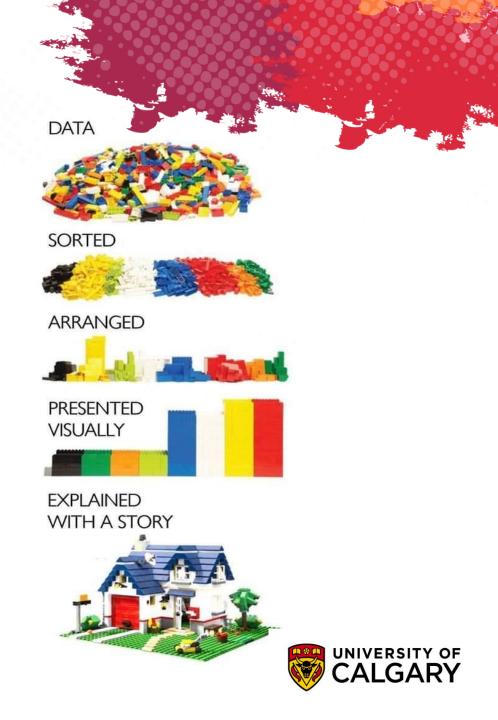
• Your audience doesn't need to catch up to you and your knowledge, you need to meet them where they are.

Make the information relevant to their context

- Give examples: images, or short explanations
- Analogy, metaphor, simile

Make your information accessible

• Inclusive, and contextually specific

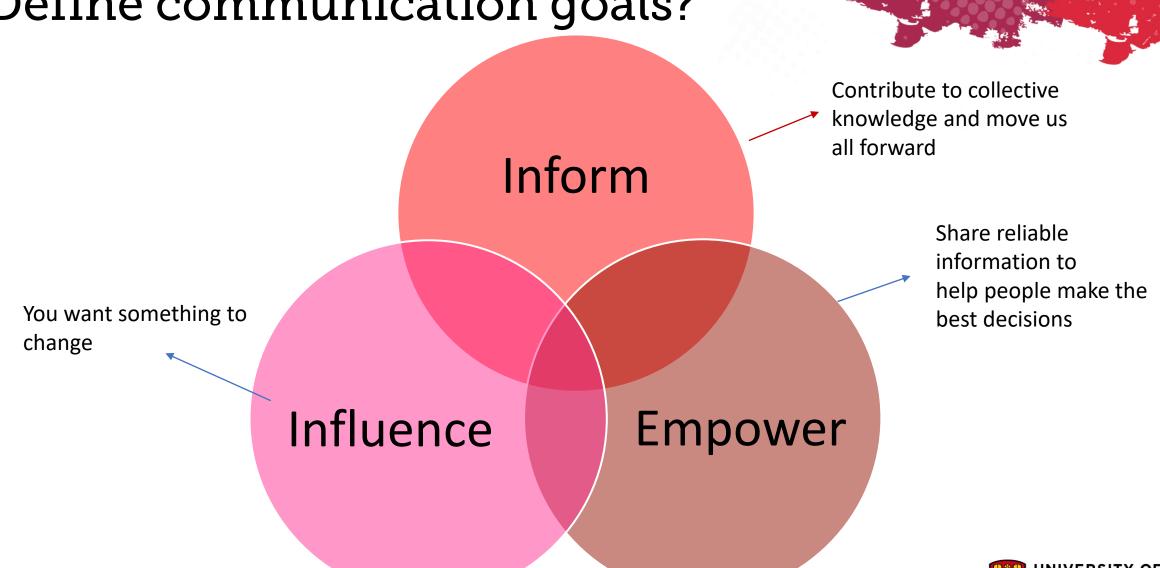








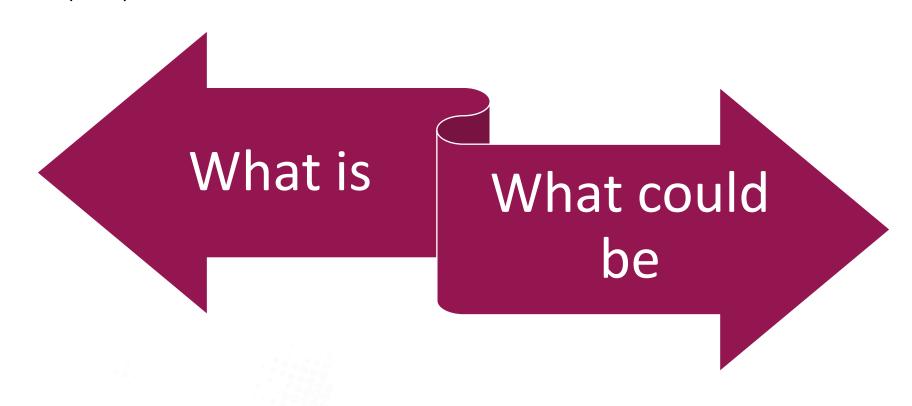
Define communication goals?





Define your conflict

• Nancy Duarte (2010)



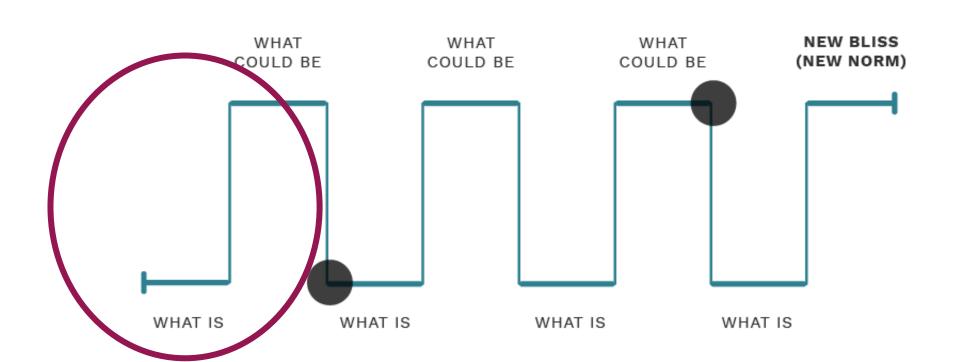


4 Story Formats



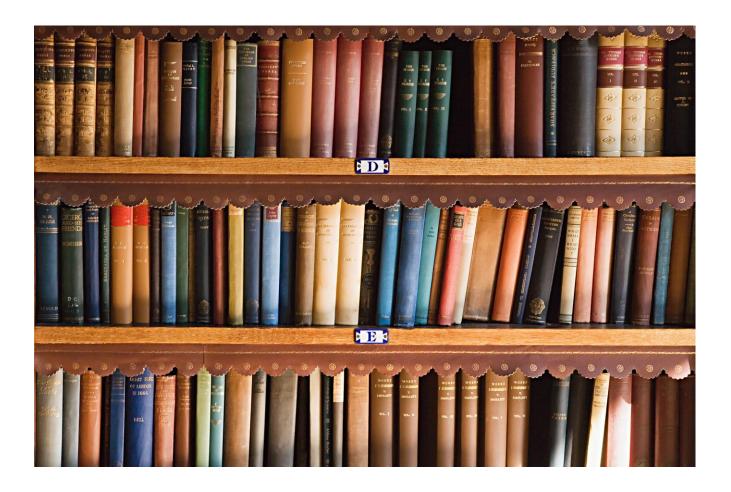
What is

• Nancy Duarte (2010)





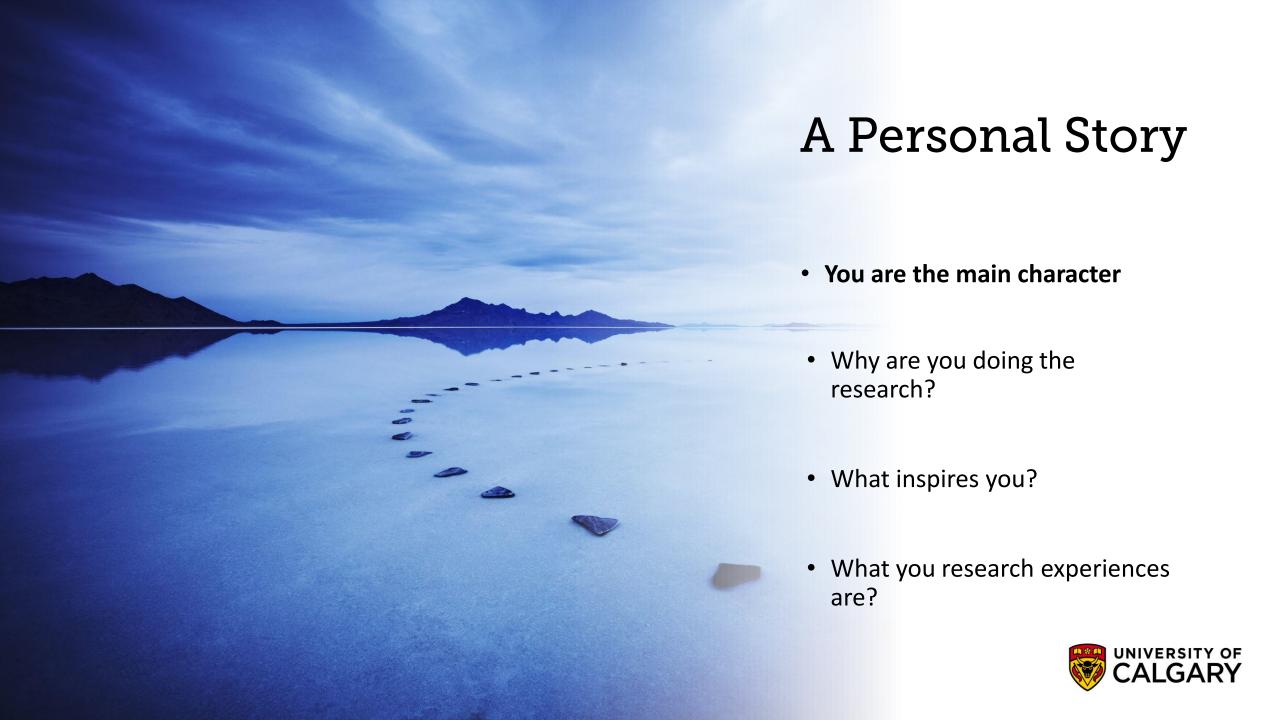
What are the types of stories you could tell?





- Personal
- Historical
- Mystery
- Reality Scenario





Noah Schwartz Carleton University (SSHRC Top 25)



https://youtu.be/hSm0PEhWDAk



We could have a better understanding of political communication

We could have a better understanding of these narratives to better understand the people that use them

There are nuanced and intimate reasons why people have guns, we can better understand this



WHAT COULD BE WHAT

WHAT COULD BE

NEW BLISS (NEW NORM)

Having a better understanding of each other can help us chart a dialogue to no mans land.

COULD BE

WHAT IS

There is a common misunderstanding about how the NRA communicates

WHAT IS

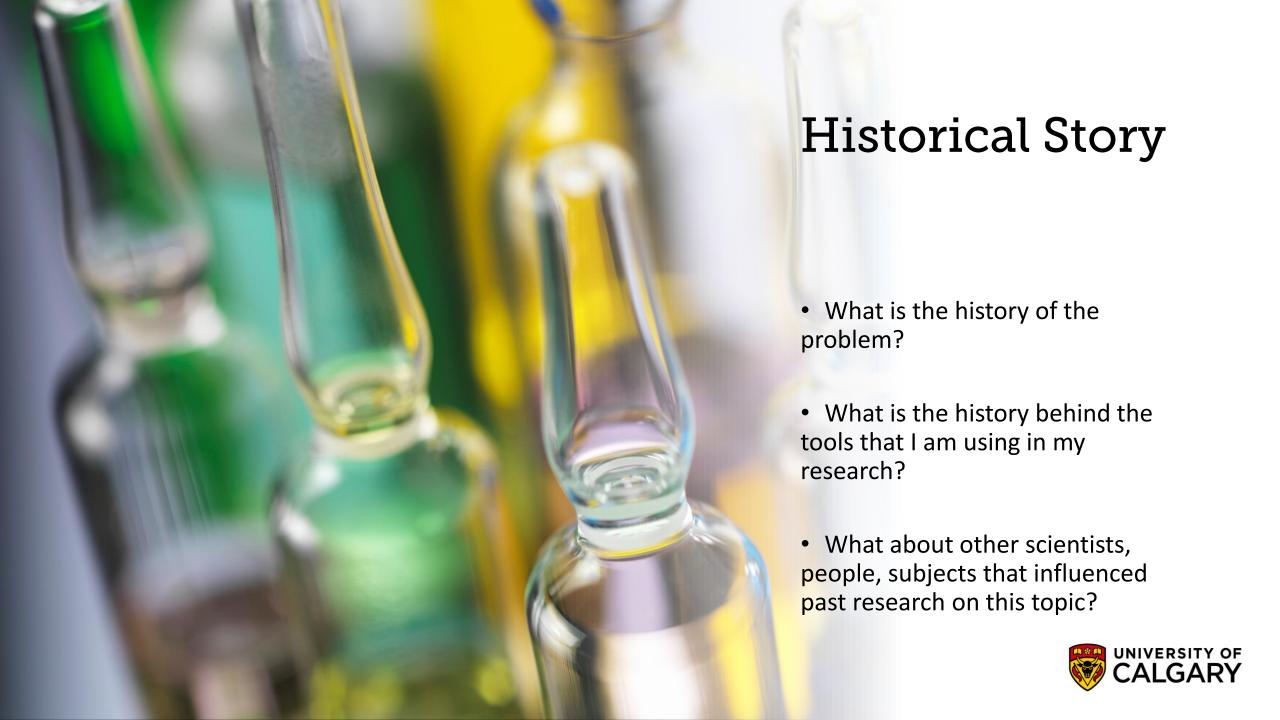
The NRA uses storytelling to communicate narratives about guns WHAT IS

For some people, gun ownership as a concept elicits fear. WHAT IS

Americans and Canadians are said to be in this cultural war





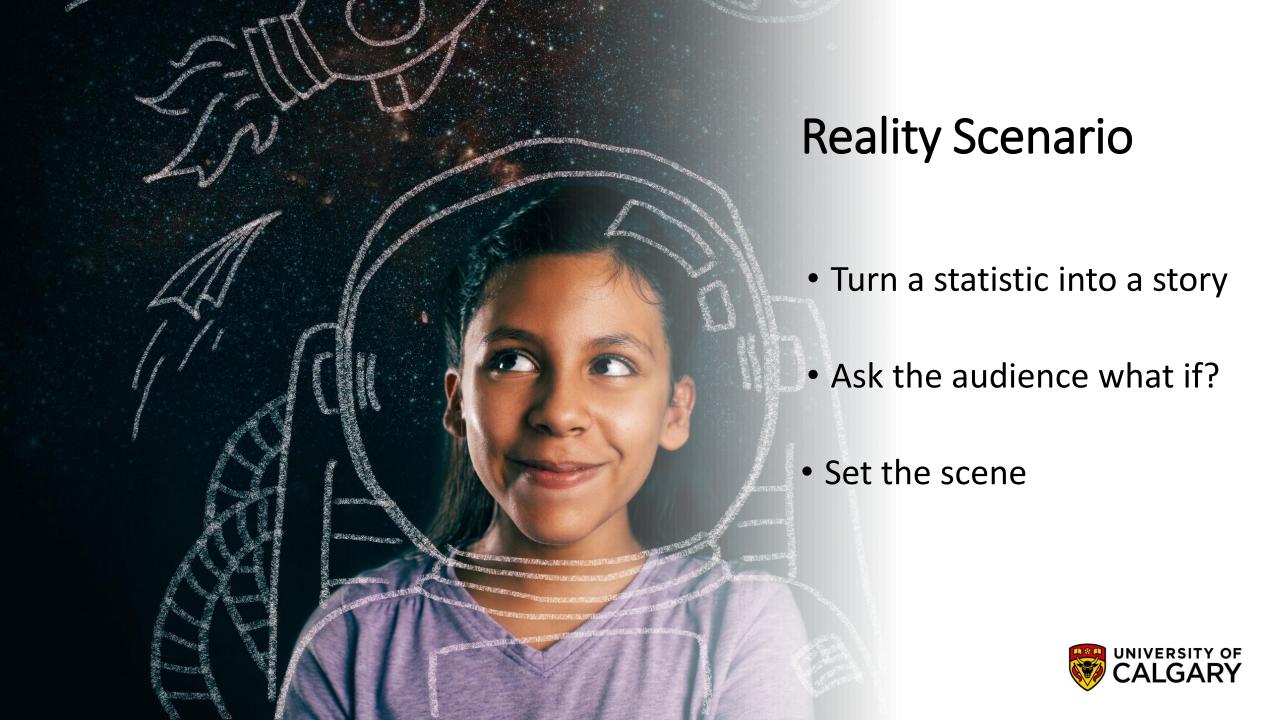


Alexandra Bischoff Concordia University, Top 25 finalists

https://youtu.be/GLCs60U4560





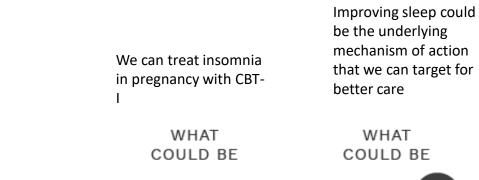


Reality Scenario: Katherine Silang (3 MT finalist)

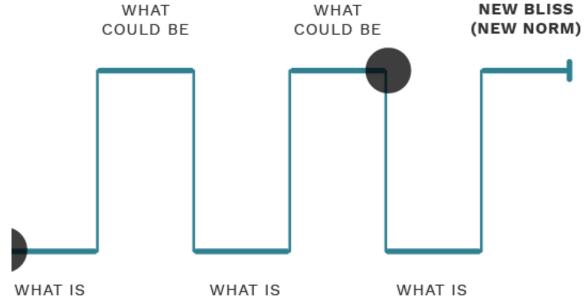


https://youtu.be/SgoXbbQxHhk





We can pave the way for women to have early access to interventions



Pregnancy can exacerbate sleep disruption - which can be linked to serious health concerns

We don't have any information about how a therapy for insomnia can help with postpartum depression

Sleep is not a big enough focus in prenatal care













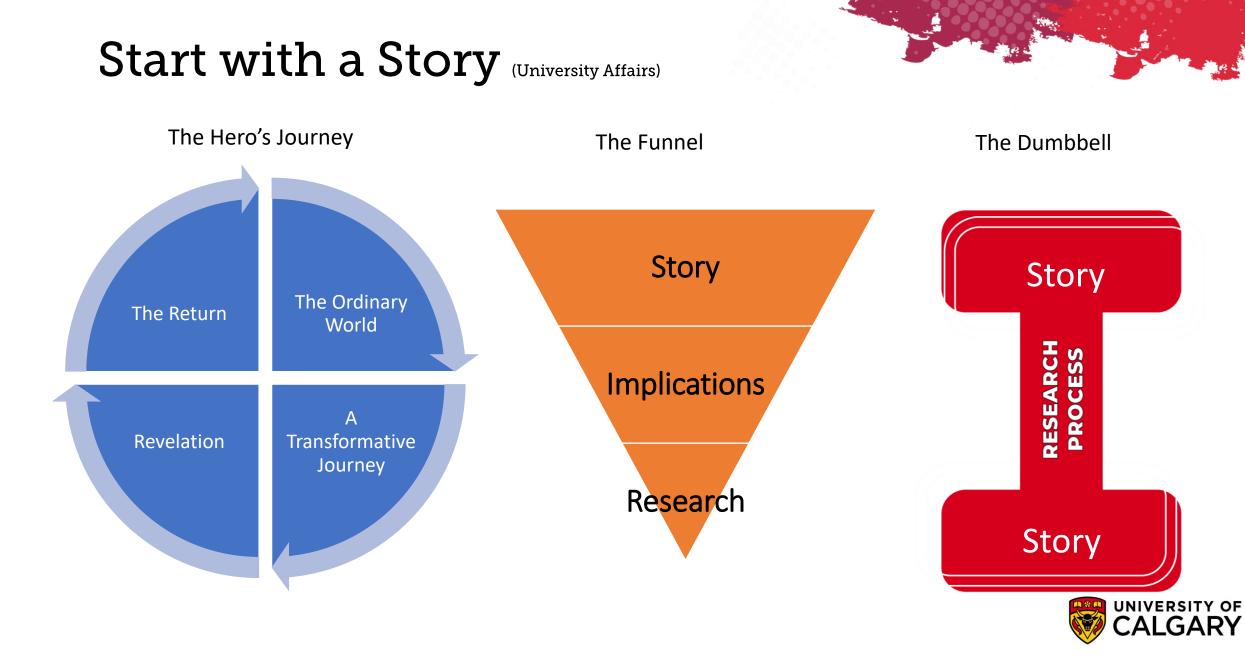




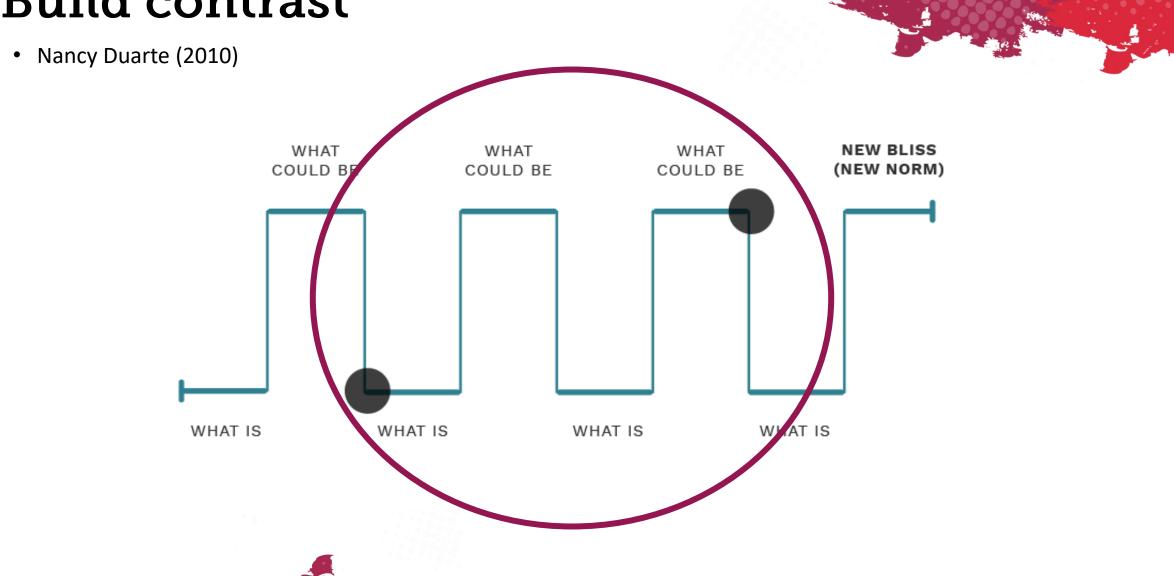
The beginning of your presentation is when you are guaranteed to have 100% of the audience's attention







Build contrast



UNIVERSITY OF CALGARY







Don't start with powerpoint!

Leave your visuals until you have drafted your talk



Mindmapping



Sticky Notes





Make it consistent











COLORS

IMAGERY

FONT

GRAPHICS

BRANDING



Logos

Use our logos correctly for a professional, consistent brand impression.

Learn about logos



Colours

Our colours set us apart from other universities.

How to use our colours



Fonts

Our fonts include Gotham, Museo Sans, Calibri, Georgia, and Proxima Nova.

Find out about our fonts



Imagery

Photography, illustration and graphics enhance our storytelling.

Learn to use images

https://www.ucalgary.ca/brand/brand-standards





1

Use smart art to show processes

2

Use pictures to convey meaning

3

Use directional tools or masking to point to something

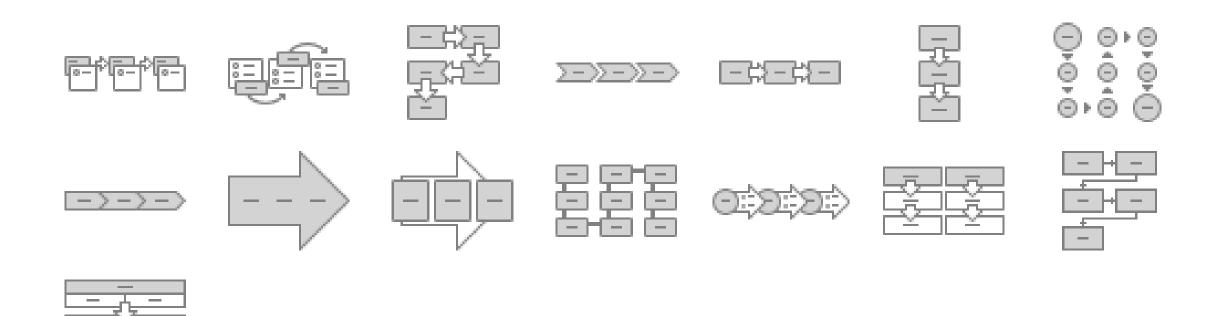
4

Reproduce and simplify your charts and graphs



SmartArt to show processes

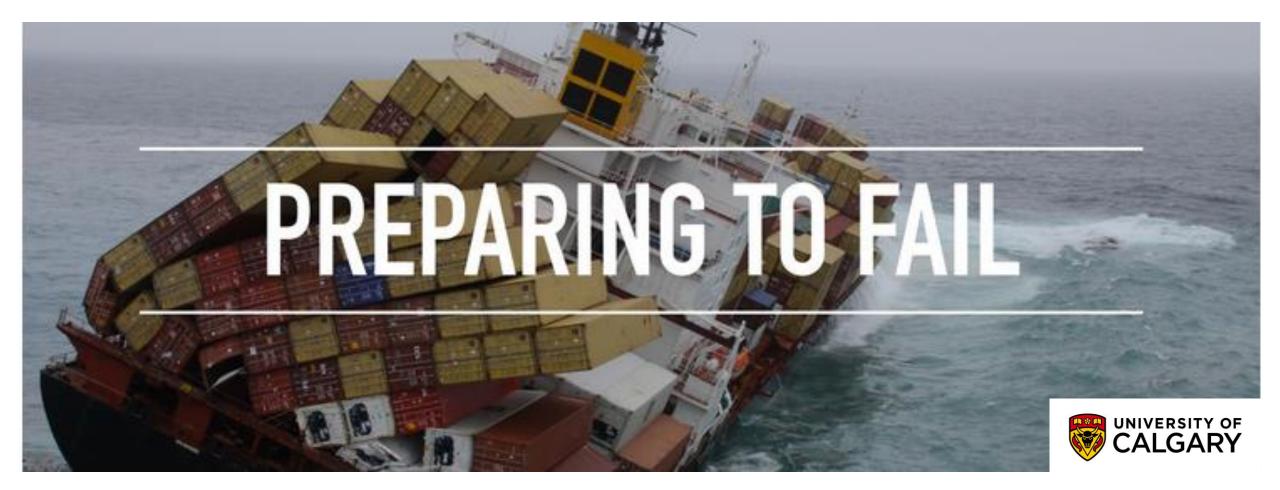






Pictures to convey meaning

 Aaron Weyenberg ("Preparing for worst case scenarios")



Directional tools or masking



- (1) Set the image transparency to something less than 100.
- (2) Duplicate that image so there is one directly over the top of the other.
- (3) Set the dup'd image transparency back to 100



How to mask



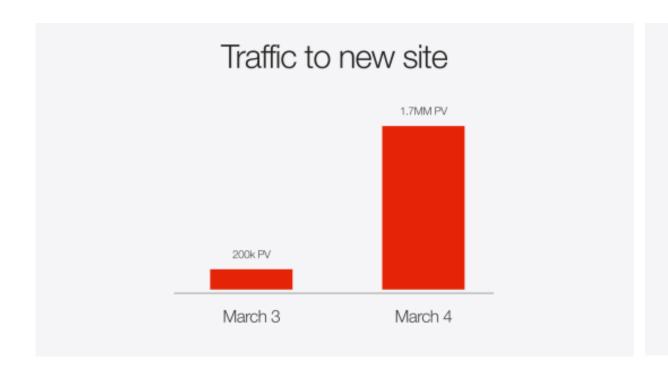


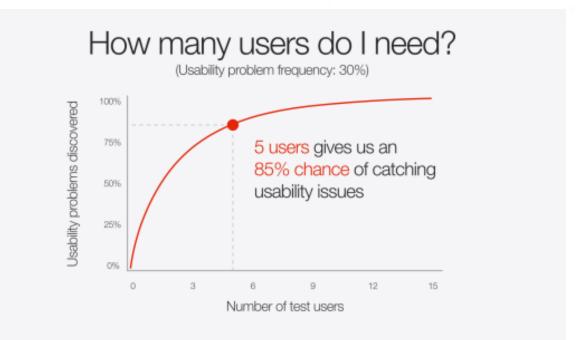
- (1) Set the image transparency to something less than 100.
- (2) Duplicate that image so there is one directly over the top of the other.
- (3) Set the dup'd image transparency back to 100
- (4) Crop to shape your dup'd image



Simplify your data















Organizing your content



- The message box Compassiccomm.org
- 7 Things to do When you Have to Give a Short Speech, by Bill Murphy, Jr., Inc.
- Explaining Your Work to Friends and Family, PhD Talk
- What to Do When They Say, "Tell Us About Your Research," by Mary Morris Heiberger and Julia Miller Vick, The Chronicle of Higher Education
- <u>Do You Have Mysterious Dragons in Your Research?</u>, by Joseph Barber, Inside Higher Ed
- How to Give More Persuasive Presentations, Nancy Duarte



Visuals

- Powerpoint (16:9 widescreen format)
 - Insert > tools to create shapes icons, 3D models
- Unsplash (imagery) https://unsplash.com/
- Colourbox (imagery) https://www.ucalgary.ca/brand/brand-standards/imagery
- GNU Image Manipulation Program (imagery) https://www.gimp.org/
- Canva (design) https://www.canva.com/
- BioRender(science design) https://biorender.com/
- Tableau (data viz) https://www.tableau.com/
- Inkscape.org (design)
 https://inkscape.org/
- Adobe Creative Suite (design) https://people.ucalgary.ca/~appinst/software/adobe-software-user-guide.pdf
 - Student Plans: https://www.adobe.com/creativecloud/buy/students.html



You as a presenter



- <u>Tips and Techniques for More Confident and Compelling Presentations</u>, by Matt Abrahams
- Conquering Stage Fright, by the Anxiety and Depression Association of America
- <u>9 Speaking Tips for Non-Native Speakers</u>, by Ryan Avery
- Four Ways to Make Your Research Presentation Stand Out, GradLife blog



References



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